

**Revitalizing Auto Communities
Environmental Response Trust**

Semi-Annual Data Report

First Half 2014

Former GM Delco Plant 5
Kokomo, Indiana

July 14, 2014



A handwritten signature in blue ink that reads "Matthew D. Griles".

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Former GM Delco Plant 5
Kokomo, Indiana

Prepared for:
Revitalizing Auto Communities
Environmental Response Trust

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Introduction

ARCADIS has prepared this Semi-Annual Data Report on behalf of the Revitalizing Auto Communities Environmental Response (RACER) Trust. This report summarizes the first half 2014 groundwater gauging, groundwater sampling, soil gas sampling, and indoor air sampling events at the Former GM Delco Plant 5 in Kokomo, Indiana (Site).

1. Groundwater Gauging

On April 22, 2014, ARCADIS measured the depth to groundwater in 48 monitoring wells located in the S1 and S2 sand and gravel units. The gauging data, presented in Table 1, were used to calculate groundwater elevations at each of the monitoring wells. The groundwater elevation contours in the S1 and S2 sand and gravel units are provided as Drawings 1 and 2, respectively. Groundwater in the S1 and S2 units are confined by overlying clay till units. The potentiometric surface map for the S1 unit (Drawing 1) indicates that groundwater within the S1 unit flows toward the southeast and is consistent with previously observed groundwater contours. During the April 2014 groundwater gauging event, the S1 potentiometric surface at the Site ranged from approximately 815.57 feet (ft) above mean seal level (AMSL) to 812.75 ft AMSL. The potentiometric surface map generated for the S2 unit (Drawing 2) illustrates that the S2 unit has a shallow gradient and groundwater flow generally appears to be towards the southeast. The S2 potentiometric surface at the Site ranges from approximately 813.08 ft AMSL to approximately 812.88 ft AMSL. The groundwater potentiometric surfaces for the S1 and S2 units will continue to be evaluated through future gauging events to monitor the flow direction. The groundwater potentiometric elevations observed during this event were consistent with elevations used in groundwater modeling previously performed by ARCADIS and were consistent with simulated results predicted by the modeling.

2. Groundwater Sampling Event

On April 22, 2014, ARCADIS deployed passive diffusion bags (PDBs) in 32 monitoring wells on- and off-Site. Prior to deploying the PDBs, the depth to groundwater and depth to bottom of the monitoring wells were measured. The PDBs equilibrated inside each of the monitoring wells for a three-week period. On May 13, 2014, the PDBs were removed from the monitoring wells and groundwater samples were collected through a dedicated straw directly into laboratory-supplied containers. All containers were immediately sealed, labeled and placed in an ice-packed cooler and transported to Pace Analytical Services, located in Indianapolis, Indiana. The groundwater

samples were analyzed for volatile organic compounds (VOCs) in accordance with USEPA SW-846 Method 8260.

2.1 Groundwater Sampling Results

VOC analytical results from monitoring wells sampled during the May 13, 2014 groundwater sampling event are summarized in Table 2. Only VOCs that were detected during one or more monitoring event are presented in the table. Data from the last four sampling events are presented for VOCs that have been detected above laboratory reporting limits during one or more monitoring events [1,1,1-trichloroethane (1,1,1-TCA); 1,1-dichloroethane (1,1-DCA); 1,1-dichloroethene (1,1-DCE); 1,2,4-Trichlorobenzene; benzene; chloroform; cis-1,2-dichloroethene (DCE); cyclohexane; methylene chloride; tetrachloroethene (PCE); toluene; trans-1,2-dichloroethene (trans-1,2-DCE); trichloroethene (TCE); and vinyl chloride]. The groundwater data are compared to the Drinking Water Screening Criteria (Maximum Contaminant Levels [MCLs] or the Indiana Department of Environmental Management [IDEM] RISC Residential Default Closure Levels, where MCLs are not established). The analytical results are also summarized on Drawing 3.

Based on the groundwater data collected during this reporting period, cis-1,2-DCE; trans-1,2-DCE; TCE; and vinyl chloride were detected in one or more sampling location(s) above their respective MCL. TCE concentrations were above the MCL of 5 ug/L in monitoring wells: MW-0101-S1U, MW-0102-S1U, MW-0103-S1U, MW-0504-S1, MW-0517-S1, MW-0604-S1, MW-0605-S1, MW-0606-S1, MW-0609-S1, MW-0612-S1, MW-0620-S1, MW-0621-S1, MW-0622-S1, MW-0704-S1 and MW-0705-S1 during the May 2014 groundwater sampling event.

Groundwater analytical results were also compared to Groundwater Vapor Intrusion Screening Criteria as shown in Table 3 and Drawing 4. These criteria have been established for two conditions off Site:

- Residential values for groundwater off-Site
- Commercial/industrial values for groundwater off-Site

Monitoring wells MW-0606-S1, MW-0612-S1 and MW-0704-S1 exceeded the Site specific Residential Groundwater Vapor Intrusion screening criteria (1,540 ug/L) for TCE.

An isoconcentration contour figure for TCE in the S1 unit is provided as Drawing 5. The laboratory analytical reports along with the validation summary are provided in Appendix A.

3. Vapor Intrusion

In March 2014, ARCADIS installed 18 soil gas ports east of the Site to further characterize and evaluate the potential risk of vapor intrusion (VI) from groundwater impacts observed within the S1 unit. Soil gas port logs are attached in Appendix B. ARCADIS collected soil gas samples from all available soil gas ports during two sampling events, March and May 2014, during this reporting period. Additionally, ARCADIS conducted a VI assessment of five residential homes in the VI focus area along W Lordeman Street.

3.1 Water Saturated Soil Gas Ports

Water has consistently been observed in the sand pack of some of the soil gas ports both on-Site and off-Site in the VI focus area. Given that soil gas samples cannot be collected from saturated soil gas ports, ARCADIS was not able to sample all of the soil gas ports during the two sampling events. This method did not yield successful results in 2013 and thus these efforts were abandoned. Details of the soil gas ports containing water are found on Table 4.

3.2 Soil Gas Sampling Events

ARCADIS conducted soil gas sampling events on March 6 through March 7, 2014 and on May 20, 2014. Soil gas ports that were completely devoid of water were sampled by USEPA Method TO-15. TO-15 soil gas samples were collected as described in the work plan *Vapor Intrusion Investigation and Monitoring Expansion* (ARCADIS, March 2013). All samples were shipped to Eurofins Air Toxics, Inc. for analysis of the following site-specific VOCs: 1,1-DCE, cis-1,2-DCE, trans-1,2-DCE, PCE, TCE, and vinyl chloride. See Drawing 6 for the soil gas sample locations.

3.3 Soil Gas Sample Results

All soil gas sample results were compared to the Site Specific Soil Gas Screening Levels as presented in Table B-3 of the *Risk Assessment Addendum to the CMP Amendment* (ARCADIS, July 2014). Soil gas analytical results are summarized in

Table 5 and on Drawing 6. The laboratory analytical reports for these sampling events are provided in Appendix A.

No soil gas samples exceeded the default screening criteria for TCE during the March and May 2014 sampling events in the off-Site VI focus area. Soil gas samples did exceed the default screening criteria for TCE in samples collected on-Site during both 2014 sampling events from SGP-1301-S. PCE was detected at concentrations that exceeded the default screening criteria in 16 soil gas samples collected in the off-site Site VI focus area.

3.3.1 March 2014 Results

ARCADIS collected soil gas samples from twenty-nine soil gas ports east of the Site from March 6 through March 7, 2014. TCE was detected above the Residential Soil Gas Screening Level in SGP-1301-S. PCE was detected above the Residential Soil Gas Screening Level in samples collected from SGP-1401-S, SGP-1401-D, SGP-1402-S, SGP-1403-S, SGP-1403-M, SGP-1403-D, SGP-1404-S, SGP-1404-M, SGP-1404-D, SGP-1405-M, SGP-1405-D and SGP-1406-D. PCE has not been detected in the closest groundwater monitoring well (MW-0612-S1) during any groundwater sampling event from November 2006 to May 2014.

Five locations were not sampled during the March 2014 event due to water encountered in the ports (Table 4). SGP-0704-S and SGP-1301-D were unable to be sampled; it is suspected that water was frozen in the lines due to no vapor yield. SGP-1303 was not sampled because it could not be located under the snow/ice.

3.3.2 May 2014 Results

On May 20, 2014, ARCADIS collected soil gas samples from 18 soil gas ports. TCE was detected above the Residential Soil Gas Screening Level in SGP-1301-S. PCE was detected above the IDEM RCG Residential Soil Gas Screening Level in samples collected from SGP-1401-S, SGP-1403-S, SGP-1403-D, SGP-1404-M, SGP-1405-S

Seventeen locations were not sampled during the May 2014 event due to water encountered in the ports (Table 4).

3.4 Indoor Air and Sub-Slab Sampling

The VI assessment of the residential homes was conducted in March 2014 near the VI focus area along W. Lordeman Street. The VI sampling included indoor air, crawl space and/or sub-slab sampling of five (5) residences. Due to the potential for soil gas to enter into the structure during sub-slab vapor sampling, the indoor air sample was collected at least 24 hours prior to collection of the sub-slab vapor samples. An upwind ambient air sample was collected concurrently with indoor air and crawl space sampling events to provide analysis of the air that is passively entering the house through natural exchange.

3.4.1 Indoor Air

The indoor air samples were collected using a 6-liter polished stainless steel Summa® canister with calibrated 24-hour flow controllers that were cleaned, certified and evacuated prior to sampling. To collect the indoor air samples, the canisters were securely positioned at breathing height at a location near the center of the home. Prior to the sampling, home occupants were asked not to use any harsh cleaners, paints or chemicals, use their fireplaces, or smoke in the home within 48 hours prior to the sampling due to the sensitivity of the testing. At the completion of the sampling duration, the canister was closed and sealed with a brass Swagelok® cap.

On March 14, 2014, indoor air samples (IA-01, IA-02, IA-03, IA-04 and IA-05) and crawl space samples (CS-01, CS-02, CS-03, CS-04 and CS-05) were collected from inside the five (5) homes. The samples were properly recorded on chain-of-custody forms and sent via FedEx to Eurofins (Air Toxics) laboratory in Folsom, California for analysis using U.S. EPA Method TO-15. Based on results from the initial sampling, IA-04 and CS-04 were recollected on May 16, 2014.

3.4.2 Sub-Slab

Sub-slab vapor probes locations were installed in two (2) homes constructed with basements. The sub-slab vapor probe location was placed closest to the center of the each structure based on accessible portions of the buildings. The probe was designed to lie flush on the upper surface of the concrete floor to avoid interfering with structure use and to "float" in the slab to enable vapor collection from the sub-slab material in direct contact with the slab or from a pocket of air directly beneath the slab created by the sub-slab material subsidence.

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The probe was assembled prior to drilling through the floor to minimize exposure time of sub-slab soils to an open hole. The probe was assembled from a 5-centimeter (cm) long, 0.32 cm brass pipe nipple having inner and outer diameters of 0.64 cm and 0.95 cm, respectively; a 1-inch long, ½-inch outer diameter brass coupling; and fitted with a brass Swagelok® 1/8-inch male adapter for ¼-inch tubing. Prior to installation, the adapter for ¼-inch tubing was removed and a brass plug was installed. To ensure that the brass fittings were not a source of target contaminants the fittings were cleaned with Liquinox® prior to assembly.

A rotary hammer drill was used to drill a 2.5 cm outer diameter hole approximately 5 cm into the basement floor. The depth of the initial penetration was equal to the length of the coupling and Swagelok® fitting together. The inside of the 2.5 cm hole was cleaned with a damp towel and then a 0.95 cm inner diameter hole was drilled through the remainder of the concrete. Once through the concrete, the drill was allowed to penetrate an additional 5 cm into the sub-slab material. The outer diameter hole was cleaned once more with a damp towel to increase the potential for a good adherence of the cement grout. A non-shrinking, fast setting cement grout was mixed into slurry and placed into the annular space between the 2.5 cm diameter holes and the probe.

On March 14, 2014, sub-slab samples (SS-03 and SS-04) were collected from beneath the basement slab. The sub-slab samples were collected using a 1-liter polished stainless steel Summa® canister with calibrated 15-minute flow controllers that were cleaned, certified and evacuated prior to sampling. The vapor samples were submitted for laboratory analytics of VOCs using U.S. EPA Method TO-15. Based on results from the initial sampling, SS-04 was recollected on May 16, 2014.

3.4.3 Ambient Air

An ambient air sample (AMB-1(031414) and AMB-1(051514)) was collected from the outside air during the March and May 2014 indoor air sampling events. The ambient air sample was collected using a 6-liter polished stainless steel Summa® canister with calibrated 24-hour flow controller that was cleaned, certified and evacuated prior to sampling. The canister was placed on a utility pole outside the homes in an upwind location. At the completion of the sampling duration, the canister was closed and sealed with a brass Swagelok® cap.

3.4.4 Results

PCE was detected in the five crawl space and indoor air samples collected during the March 2014 sampling event. Concentrations of PCE ranged from 0.049 ug/m³ to 39 ug/m³. The PCE USEPA Regional Screening Level for indoor air or crawl space is 42 ug/m³. TCE concentrations were detected in crawl space samples (CS-03 and CS-04) and indoor air sample (IA-03) above the USEPA Regional Screening Level of 2.1 ug/m³ for residential indoor air or crawl space during the March 2014 sampling event. PCE was detected in the sub-slab samples from both homes sampled and it should be noted that the PCE concentration at SS-03 was reported at 250 ug/m³. Although PCE was detected in the sub-slab samples, the concentrations were below the USEPA Regional Screening Level of 1,400 ug/m³. TCE concentrations were detected in sub-slab sample SS-03 above the VI screening criteria for sub-slab. The sub-slab screening criteria are based on the default attenuation factor of 0.03 using the USEPA Regional Screening Levels for residential sub-slab soil gas during the March 2014 sampling event. No other concentrations were detected above USEPA Regional Screening Levels during the March 2014 sampling event.

PCE concentrations were detected below the USEPA Regional Screening Level in the indoor air and crawl space sample at 1.8 ug/m³ and 0.88 ug/m³, respectively during the May 2014 re-sample of the homes. TCE concentrations were detected in indoor air sample (IA-04) above the USEPA Regional Screening Level of 2.1 ug/m³ for residential indoor air during the May 2014 re-sample of the home. The crawl space (CS-04) and sub-slab (SS-04) sample concentrations collected from the home were below the USEPA Regional Screening Levels.

Results for the sampling are summarized in Tables 6 and 7. Copies of the laboratory analytical reports and validation reports are included in Appendix A.

4. Summary and Conclusions

During the May 2014 groundwater sampling event, concentrations of Site-specific COCs were above the Drinking Water Screening Criteria in fifteen (15) of the thirty-two (32) groundwater monitoring wells sampled. Monitoring wells MW-0606-S1, MW-0612-S1 and MW-0704-S1 exceeded the site-specific residential groundwater vapor intrusion screening criteria (1,540 ug/L) for TCE.

On-Site soil gas port SGP-1301-S exceeded screening criteria for TCE during the March and May sampling events. Thirteen off-Site soil gas ports exceeded screening levels for PCE during at least one sampling event.

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Sub-slab screening criteria are based on the default attenuation factor of 0.03 using the USEPA Regional Screening Levels for residential sub-slab soil gas. Screening levels are protective for an individual exposed to the chemical for 24 hours per day for 30 years. Vapor intrusion samples SS-03, CS-03, IA-03, CS-04, and IA-04 and exceeded applicable screening criteria for TCE during at least one sampling event. PCE was typically detected at higher concentrations than the TCE; however, based on the screening level for PCE (1,400 ug/m³ in sub-slab and 42 ug/m³ in indoor air), the concentrations did not exceed the screening criteria.

RACER Trust and EPA have determined that soil gas conditions east of the Site are not related to the groundwater impacts associated with the Site, and thus, EPA has referred the soil gas and indoor air concerns in this area to the Indiana Department of Environmental Management. ARCADIS will perform a semi-annual groundwater sampling event at and around the Site in the second half of 2014 to evaluate existing conditions and confirm the Site-specific groundwater model.

Table 1. Monitoring Well Groundwater Elevation Data, Former GM Delco Plant 5, Kokomo, Indiana.

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0101-P1	11/15/2004	8.13	9.85	826.36	818.23
MW-0101-P1	10/25/2005	9.51	9.98	826.36	816.85
MW-0101-P1	3/24/2006	Abandoned			
MW-0101-S1U	11/15/2004	11.15	17.50	826.36	815.21
MW-0101-S1U	10/25/2005	12.02	17.51	826.36	814.34
MW-0101-S1U	3/24/2006	10.52	17.23	826.36	815.84
MW-0101-S1U	3/31/2006	9.75	17.23	826.36	816.61
MW-0101-S1U	4/28/2006	10.42	---	826.36	815.94
MW-0101-S1U	12/5/2006	9.13	17.51	826.36	817.23
MW-0101-S1U	3/8/2007	10.21	17.51	826.36	816.15
MW-0101-S1U	1/16/2008	10.69	17.61	826.36	815.67
MW-0101-S1U	11/11/2008	14.31	17.46	826.36	812.05
MW-0101-S1U	2/17/2009	12.66	---	826.36	813.70
MW-0101-S1U	6/12/2009	11.18	---	826.36	815.18
MW-0101-S1U	3/29/2012	11.23	17.70	826.36	815.13
MW-0101-S1U	10/9/2012	13.76	17.50	826.36	812.60
MW-0101-S1U	3/12/2013	11.73	17.50	826.36	814.63
MW-0101-S1U	9/24/2013	12.70	17.76	826.36	813.66
MW-0101-S1U	4/22/2014	11.46	17.66	826.36	814.90
MW-0102-S1U	11/15/2004	11.10	26.00	826.36	815.26
MW-0102-S1U	9/20/2005	12.28	26.14	826.36	814.08
MW-0102-S1U	10/20/2005	12.12	26.28	826.36	814.24
MW-0102-S1U	10/25/2005	12.03	26.28	826.36	814.33
MW-0102-S1U	3/22/2006	10.50	25.90	826.36	815.86
MW-0102-S1U	3/31/2006	9.73	25.90	826.36	816.63
MW-0102-S1U	4/28/2006	10.47	---	826.36	815.89
MW-0102-S1U	12/5/2006	9.33	---	826.36	817.03
MW-0102-S1U	3/8/2007	10.32	26.28	826.36	816.04
MW-0102-S1U	1/16/2008	11.00	26.40	826.36	815.36
MW-0102-S1U	11/11/2008	14.33	26.26	826.36	812.03
MW-0102-S1U	2/17/2009	12.51	---	826.36	813.85
MW-0102-S1U	6/12/2009	11.18	---	826.36	815.18
MW-0102-S1U	3/29/2012	11.25	26.43	826.36	815.11
MW-0102-S1U	10/9/2012	13.76	26.25	826.36	812.60
MW-0102-S1U	3/12/2013	11.91	26.15	826.36	814.45
MW-0102-S1U	9/24/2013	12.74	26.41	826.36	813.62
MW-0102-S1U	4/22/2014	11.45	26.37	826.36	814.91
MW-0103-S1U	10/25/2005	13.47	---	828.15	814.68
MW-0103-S1U	11/15/2005	12.60	20.00	828.15	815.55
MW-0103-S1U	3/22/2006	12.03	19.76	828.15	816.12
MW-0103-S1U	3/31/2006	11.26	19.76	828.15	816.89
MW-0103-S1U	4/28/2006	11.91	---	828.15	816.24
MW-0103-S1U	12/5/2006	10.70	19.77	828.15	817.45
MW-0103-S1U	3/8/2007	11.71	19.76	828.15	816.44
MW-0103-S1U	1/16/2008	12.46	19.89	828.15	815.69
MW-0103-S1U	11/11/2008	15.87	19.81	828.15	812.28
MW-0103-S1U	2/17/2009	14.06	---	828.15	814.09
MW-0103-S1U	6/12/2009	12.63	---	828.15	815.52
MW-0103-S1U	10/9/2012	15.30	19.66	828.15	812.85
MW-0103-S1U	3/12/2013	13.47	19.66	828.15	814.68
MW-0103-S1U	9/24/2013	14.29	19.75	828.15	813.86
MW-0103-S1U	4/22/2014	12.94	19.74	828.15	815.21
MW-0501-P1	9/20/2005	12.09	18.85	828.62	816.53
MW-0501-P1	10/18/2005	13.22	18.95	828.62	815.40
MW-0501-P1	10/25/2005	12.97	18.95	828.62	815.65
MW-0501-P1	3/22/2006	12.67	18.95	828.62	815.95
MW-0501-P1	3/31/2006	11.84	18.95	828.62	816.78
MW-0501-P1	4/28/2006	11.29	---	828.62	817.33
MW-0501-P1	12/5/2006	10.46	18.69	828.62	818.16
MW-0501-P1	3/8/2007	10.79	18.71	828.62	817.83
MW-0501-P1	1/16/2008	11.82	18.80	828.62	816.80
MW-0501-P1	11/11/2008	14.48	18.71	828.62	814.14
MW-0501-P1	2/17/2009	11.93	---	828.62	816.69

Table 1. Monitoring Well Groundwater Elevation Data, Former GM Delco Plant 5, Kokomo, Indiana.

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0501-S1	3/22/2006	12.18	34.39	828.65	816.47
MW-0501-S1	3/31/2006	11.41	34.39	828.65	817.24
MW-0501-S1	4/28/2006	12.07	---	828.65	816.58
MW-0501-S1	12/5/2006	10.84	33.95	828.65	817.81
MW-0501-S1	3/8/2007	11.90	33.74	828.65	816.75
MW-0501-S1	1/16/2008	12.67	33.95	828.65	815.98
MW-0501-S1	11/11/2008	16.10	33.60	828.65	812.55
MW-0501-S1	2/17/2009	14.44	---	828.65	814.21
MW-0501-S1	6/12/2009	12.77	---	828.65	815.88
MW-0501-S1	4/13/2010	12.52	33.33	828.65	816.13
MW-0501-S1	9/5/2010	15.30	33.00	828.65	813.35
MW-0501-S1	4/20/2011	12.12	32.98	828.65	816.53
MW-0501-S1	9/27/2011	13.26	33.14	828.65	815.39
MW-0501-S1	3/29/2012	12.89	33.11	828.65	815.76
MW-0501-S1	10/9/2012	15.59	32.95	828.65	813.06
MW-0501-S1	3/12/2013	13.73	32.95	828.65	814.92
MW-0501-S1	9/24/2013	14.48	33.00	828.65	814.17
MW-0501-S1	4/22/2014	13.08	32.99	828.65	815.57
MW-0501-S2	10/18/2005	14.87	76.30	828.75	813.88
MW-0501-S2	10/25/2005	15.02	76.30	828.75	813.73
MW-0501-S2	3/21/2006	12.83	76.30	828.75	815.92
MW-0501-S2	3/31/2006	11.98	76.30	828.75	816.77
MW-0501-S2	4/28/2006	12.00	---	828.75	816.75
MW-0501-S2	12/5/2006	9.83	76.13	828.75	818.92
MW-0501-S2	3/8/2007	11.79	76.09	828.75	816.96
MW-0501-S2	1/16/2008	14.80	76.20	828.75	813.95
MW-0501-S2	11/11/2008	21.21	76.12	828.75	807.54
MW-0501-S2	2/17/2009	17.60	---	828.75	811.15
MW-0501-S2	6/12/2009	15.49	---	828.75	813.26
MW-0501-S2	4/13/2010	14.37	76.12	828.75	814.38
MW-0501-S2	9/5/2010	19.74	76.11	828.75	809.01
MW-0501-S2	4/20/2011	15.01	76.00	828.75	813.74
MW-0501-S2	9/27/2011	17.44	75.24	828.75	811.31
MW-0501-S2	3/29/2012	14.62	76.21	828.75	814.13
MW-0501-S2	10/9/2012	20.48	76.15	828.75	808.27
MW-0501-S2	3/12/2013	15.08	76.15	828.75	813.67
MW-0501-S2	9/24/2013	17.93	76.20	828.75	810.82
MW-0501-S2	4/22/2014	15.80	77.48	828.75	812.95
MW-0501-S3	10/20/2005	15.00	94.98	828.78	813.78
MW-0501-S3	10/25/2005	15.04	94.98	828.78	813.74
MW-0501-S3	3/21/2006	12.81	94.98	828.78	815.97
MW-0501-S3	3/31/2006	12.06	94.98	828.78	816.72
MW-0501-S3	4/28/2006	12.02	---	828.78	816.76
MW-0501-S3	12/5/2006	10.48	94.75	828.78	818.30
MW-0501-S3	3/8/2007	11.86	94.64	828.78	816.92
MW-0501-S3	1/16/2008	14.86	94.80	828.78	813.92
MW-0501-S3	11/11/2008	21.27	94.85	828.78	807.51
MW-0501-S3	2/17/2009	17.68	---	828.78	811.10
MW-0501-S3	6/12/2009	15.58	---	828.78	813.20
MW-0501-S3	4/13/2010	14.42	94.73	828.78	814.36
MW-0501-S3	9/5/2010	19.82	96.05	828.78	808.96
MW-0501-S3	4/20/2011	15.11	94.60	828.78	813.67
MW-0501-S3	9/27/2011	17.44	94.90	828.78	811.34
MW-0501-S3	10/9/2012	14.20	31.91	828.78	814.58
MW-0502-S1	9/20/2005	12.20	32.59	826.34	814.14
MW-0502-S1	10/19/2005	11.91	32.78	826.34	814.43
MW-0502-S1	10/25/2005	11.91	32.78	826.34	814.43
MW-0502-S1	3/24/2006	10.41	32.54	826.34	815.93
MW-0502-S1	3/31/2006	9.64	32.54	826.34	816.70
MW-0502-S1	4/28/2006	10.32	---	826.34	816.02
MW-0502-S1	12/5/2006	9.25	---	826.34	817.09
MW-0502-S1	3/8/2007	10.12	32.50	826.34	816.22
MW-0502-S1	1/16/2008	10.95	32.62	826.34	815.39
MW-0502-S1	11/11/2008	14.22	32.40	826.34	812.12
MW-0502-S1	2/17/2009	12.54	---	826.34	813.80

Table 1. Monitoring Well Groundwater Elevation Data, Former GM Delco Plant 5, Kokomo, Indiana.

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0502-S1	6/12/2009	11.04	---	826.34	815.30
MW-0502-S1	4/13/2010	10.78	32.55	826.34	815.56
MW-0502-S1	9/5/2010	13.46	32.60	826.34	812.88
MW-0502-S1	4/20/2011	10.29	32.45	826.34	816.05
MW-0502-S1	9/27/2011	11.44	32.65	826.34	814.90
MW-0502-S1	3/29/2012	11.08	32.61	826.34	815.26
MW-0502-S1	10/9/2012	13.65	32.51	826.34	812.69
MW-0502-S1	3/12/2013	11.73	32.51	826.34	814.61
MW-0502-S1	9/24/2013	12.62	32.63	826.34	813.72
MW-0502-S1	4/22/2014	11.35	32.62	826.34	814.99
MW-0503-S1	10/18/2005	12.51	32.57	826.82	814.31
MW-0503-S1	10/25/2005	12.51	32.57	826.82	814.31
MW-0503-S1	3/24/2006	11.09	32.27	826.82	815.73
MW-0503-S1	3/31/2006	10.32	32.27	826.82	816.50
MW-0503-S1	4/28/2006	11.00	---	826.82	815.82
MW-0503-S1	12/5/2006	9.84	---	826.82	816.98
MW-0503-S1	3/8/2007	10.80	32.32	826.82	816.02
MW-0503-S1	1/16/2008	11.57	32.42	826.82	815.25
MW-0503-S1	11/11/2008	14.75	32.20	826.82	812.07
MW-0503-S1	2/17/2009	12.96	---	826.82	813.86
MW-0503-S1	6/12/2009	11.68	---	826.82	815.14
MW-0503-S1	4/13/2010	11.46	32.16	826.82	815.36
MW-0503-S1	9/5/2010	14.04	32.00	826.82	812.78
MW-0503-S1	4/20/2011	10.87	31.98	826.82	815.95
MW-0503-S1	9/27/2011	11.99	32.35	826.82	814.83
MW-0503-S1	3/29/2012	11.77	32.40	826.82	815.05
MW-0503-S1	10/9/2012	14.20	31.91	826.82	812.62
MW-0503-S1	3/12/2013	12.35	31.91	826.82	814.47
MW-0503-S1	9/24/2013	13.20	32.30	826.82	813.62
MW-0503-S1	4/22/2014	11.95	31.87	826.82	814.87
MW-0503-S2	10/18/2005	13.28	68.33	826.81	813.53
MW-0503-S2	10/25/2005	13.27	68.33	826.81	813.54
MW-0503-S2	3/24/2006	10.38	68.05	826.81	816.43
MW-0503-S2	3/31/2006	9.53	68.05	826.81	817.28
MW-0503-S2	4/28/2006	10.51	---	826.81	816.30
MW-0503-S2	12/5/2006	9.06	---	826.81	817.75
MW-0503-S2	3/8/2007	10.28	68.13	826.81	816.53
MW-0503-S2	1/16/2008	12.92	68.30	826.81	813.89
MW-0503-S2	11/11/2008	18.80	68.19	826.81	808.01
MW-0503-S2	2/17/2009	15.41	---	826.81	811.40
MW-0503-S2	6/12/2009	13.57	---	826.81	813.24
MW-0504-I2	10/18/2005	19.66	39.87	826.51	806.85
MW-0504-I2	10/25/2005	13.03	39.87	826.51	813.48
MW-0504-I2	3/27/2006	11.53	39.61	826.51	814.98
MW-0504-I2	3/31/2006	10.71	39.61	826.51	815.80
MW-0504-I2	4/28/2006	11.19	---	826.51	815.32
MW-0504-I2	12/5/2006	10.08	---	826.51	816.43
MW-0504-I2	3/8/2007	11.60	39.65	826.51	814.91
MW-0504-I2	1/16/2008	11.67	39.80	826.51	814.84
MW-0504-I2	11/11/2008	14.84	39.71	826.51	811.67
MW-0504-I2	2/17/2009	12.99	---	826.51	813.52
MW-0504-S1	9/20/2005	12.51	29.73	826.15	813.64
MW-0504-S1	10/18/2005	12.25	29.19	826.15	813.90
MW-0504-S1	10/25/2005	12.23	29.19	826.15	813.92
MW-0504-S1	3/27/2006	11.10	28.69	826.15	815.05
MW-0504-S1	3/31/2006	10.33	28.69	826.15	815.82
MW-0504-S1	4/28/2006	10.88	---	826.15	815.27
MW-0504-S1	12/5/2006	10.78	---	826.15	815.37
MW-0504-S1	3/8/2007	10.68	30.82	826.15	815.47
MW-0504-S1	1/16/2008	11.25	30.90	826.15	814.90
MW-0504-S1	11/11/2008	14.40	30.76	826.15	811.75
MW-0504-S1	2/17/2009	12.58	---	826.15	813.57
MW-0504-S1	6/12/2009	11.51	---	826.15	814.64
MW-0504-S1	10/9/2012	13.84	30.71	826.15	812.31

Table 1. Monitoring Well Groundwater Elevation Data, Former GM Delco Plant 5, Kokomo, Indiana.

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0504-S1	3/12/2013	12.02	30.71	826.15	814.13
MW-0504-S1	9/24/2013	12.90	30.98	826.15	813.25
MW-0504-S1	4/22/2014	11.81	30.91	826.15	814.34
MW-0504-S2	3/27/2006	10.23	60.45	826.41	816.18
MW-0504-S2	3/31/2006	9.38	60.45	826.41	817.03
MW-0504-S2	4/28/2006	10.11	---	826.41	816.30
MW-0504-S2	12/5/2006	8.70	---	826.41	817.71
MW-0504-S2	3/8/2007	10.00	60.52	826.41	816.41
MW-0504-S2	1/16/2008	12.50	60.63	826.41	813.91
MW-0504-S2	11/11/2008	18.46	60.55	826.41	807.95
MW-0504-S2	2/17/2009	14.97	---	826.41	811.44
MW-0504-S2	6/12/2009	13.14	---	826.41	813.27
MW-0505-B1	12/5/2006	8.69	---	826.5	817.81
MW-0505-B1	3/8/2007	8.98	83.90	826.5	817.52
MW-0505-B1	1/16/2008	11.56	83.95	826.5	814.94
MW-0505-B1	11/11/2008	17.51	83.90	826.5	808.99
MW-0505-B1	2/17/2009	14.06	---	826.5	812.44
MW-0505-B1	6/12/2009	12.18	---	826.5	814.32
MW-0505-B1	4/13/2010	11.21	83.97	826.5	815.29
MW-0505-B1	9/5/2010	16.22	84.00	826.5	810.28
MW-0505-B1	4/20/2011	11.65	83.82	826.5	814.85
MW-0505-B1	9/27/2011	14.56	84.08	826.5	811.94
MW-0505-S1	9/20/2005	11.42	39.00	825.44	814.02
MW-0505-S1	10/19/2005	11.19	40.28	825.44	814.25
MW-0505-S1	10/25/2005	11.16	40.28	825.44	814.28
MW-0505-S1	3/23/2006	9.70	40.00	825.44	815.74
MW-0505-S1	3/31/2006	8.93	40.00	825.44	816.51
MW-0505-S1	4/28/2006	9.69	---	825.44	815.75
MW-0505-S1	12/5/2006	8.52	---	825.44	816.92
MW-0505-S1	3/8/2007	9.48	40.71	825.44	815.96
MW-0505-S1	1/16/2008	10.15	40.80	825.44	815.29
MW-0505-S1	11/11/2008	13.46	40.65	825.44	811.98
MW-0505-S1	2/17/2009	11.63	---	825.44	813.81
MW-0505-S1	6/12/2009	10.34	---	825.44	815.10
MW-0505-S1	10/9/2012	12.47	40.67	825.44	812.97
MW-0505-S1	3/12/2013	11.02	40.67	825.44	814.42
MW-0505-S1	9/24/2013	11.85	40.84	825.44	813.59
MW-0505-S1	4/22/2014	10.64	40.41	825.44	814.80
MW-0505-S2	10/19/2005	12.37	67.63	825.06	812.69
MW-0505-S2	10/25/2005	11.42	67.63	825.06	813.64
MW-0505-S2	3/23/2006	9.59	67.32	825.06	815.47
MW-0505-S2	3/31/2006	8.74	67.32	825.06	816.32
MW-0505-S2	4/28/2006	9.65	---	825.06	815.41
MW-0505-S2	12/5/2006	7.27	---	825.06	817.79
MW-0505-S2	3/8/2007	8.55	67.45	825.06	816.51
MW-0505-S2	1/16/2008	11.10	67.50	825.06	813.96
MW-0505-S2	11/11/2008	17.04	67.45	825.06	808.02
MW-0505-S2	2/17/2009	13.63	---	825.06	811.43
MW-0505-S2	6/12/2009	11.76	---	825.06	813.30
MW-0505-S2	4/13/2010	11.74	67.38	825.06	813.32
MW-0505-S2	9/5/2010	15.76	67.50	825.06	809.30
MW-0505-S2	4/20/2011	11.23	67.35	825.06	813.83
MW-0505-S2	9/27/2011	13.51	67.60	825.06	811.55
MW-0505-S2	3/29/2012	11.03	67.55	825.06	814.03
MW-0505-S2	10/9/2012	16.46	67.46	825.06	808.60
MW-0505-S2	3/12/2013	11.58	67.46	825.06	813.48
MW-0505-S2	9/24/2013	14.10	67.52	825.06	810.96
MW-0505-S2	4/22/2014	11.99	67.59	825.06	813.07
MW-0506-I2	10/19/2005	24.10	47.56	827.18	803.08
MW-0506-I2	10/25/2005	22.82	47.56	827.18	804.36
MW-0506-I2	3/27/2006	17.97	47.27	827.18	809.21
MW-0506-I2	3/31/2006	17.15	47.27	827.18	810.03
MW-0506-I2	4/28/2006	20.02	---	827.18	807.16

Table 1. Monitoring Well Groundwater Elevation Data, Former GM Delco Plant 5, Kokomo, Indiana.

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0506-I2	12/5/2006	19.82	---	827.18	807.36
MW-0506-I2	3/8/2007	15.48	47.35	827.18	811.70
MW-0506-I2	1/16/2008	14.57	47.50	827.18	812.61
MW-0506-I2	11/11/2008	15.71	47.38	827.18	811.47
MW-0506-I2	2/17/2009	16.63	---	827.18	810.55
MW-0506-S1	10/19/2005	13.11	34.84	826.88	813.77
MW-0506-S1	10/25/2005	13.11	34.84	826.88	813.77
MW-0506-S1	3/27/2006	11.96	34.55	826.88	814.92
MW-0506-S1	3/31/2006	11.19	34.55	826.88	815.69
MW-0506-S1	4/28/2006	11.76	---	826.88	815.12
MW-0506-S1	12/5/2006	10.72	---	826.88	816.16
MW-0506-S1	3/8/2007	11.54	34.62	826.88	815.34
MW-0506-S1	1/16/2008	12.21	34.35	826.88	814.67
MW-0506-S1	11/11/2008	15.21	34.65	826.88	811.67
MW-0506-S1	2/17/2009	13.40	---	826.88	813.48
MW-0506-S1	6/12/2009	12.38	---	826.88	814.50
MW-0506-S1	10/9/2012	14.65	34.69	826.88	812.23
MW-0506-S1	3/12/2013	12.85	34.69	826.88	814.03
MW-0506-S1	9/24/2013	13.74	34.78	826.88	813.14
MW-0506-S1	4/22/2014	12.67	34.71	826.88	814.21
MW-0506-S2	10/19/2005	13.58	72.52	827.1	813.52
MW-0506-S2	10/25/2005	13.58	72.52	827.1	813.52
MW-0506-S2	3/27/2006	11.95	72.24	827.1	815.15
MW-0506-S2	3/31/2006	11.10	72.24	827.1	816.00
MW-0506-S2	4/28/2006	10.84	---	827.1	816.26
MW-0506-S2	12/5/2006	9.43	---	827.1	817.67
MW-0506-S2	3/8/2007	11.72	72.26	827.1	815.38
MW-0506-S2	1/16/2008	13.20	72.40	827.1	813.90
MW-0506-S2	11/11/2008	19.11	72.35	827.1	807.99
MW-0506-S2	2/17/2009	15.69	---	827.1	811.41
MW-0506-S2	6/12/2009	13.87	---	827.1	813.23
MW-0506-S2	3/29/2012	13.13	72.41	827.1	813.97
MW-0506-S2	10/9/2012	18.51	72.38	827.1	808.59
MW-0506-S2	3/12/2013	13.66	72.38	827.1	813.44
MW-0506-S2	9/24/2013	16.20	72.44	827.1	810.90
MW-0506-S2	4/22/2014	14.13	72.56	827.1	812.97
MW-0507-S1	10/19/2005	13.15	33.49	827.19	814.04
MW-0507-S1	10/25/2005	13.12	33.49	827.19	814.07
MW-0507-S1	3/27/2006	11.86	33.18	827.19	815.33
MW-0507-S1	3/31/2006	11.09	33.18	827.19	816.10
MW-0507-S1	4/28/2006	11.69	---	827.19	815.50
MW-0507-S1	12/5/2006	10.58	---	827.19	816.61
MW-0507-S1	3/8/2007	11.48	33.19	827.19	815.71
MW-0507-S1	1/16/2008	12.18	33.35	827.19	815.01
MW-0507-S1	11/11/2008	15.27	33.15	827.19	811.92
MW-0507-S1	2/17/2009	13.50	---	827.19	813.69
MW-0507-S1	6/12/2009	12.33	---	827.19	814.86
MW-0507-S1	4/13/2010	12.13	33.27	827.19	815.06
MW-0507-S1	9/5/2010	14.61	33.20	827.19	812.58
MW-0507-S1	4/20/2011	11.54	33.16	827.19	815.65
MW-0507-S1	9/27/2011	12.60	33.35	827.19	814.59
MW-0507-S1	3/29/2012	12.41	33.32	827.19	814.78
MW-0507-S1	10/9/2012	14.74	33.11	827.19	812.45
MW-0507-S1	3/12/2013	12.92	33.11	827.19	814.27
MW-0507-S1	9/24/2013	13.78	33.32	827.19	813.41
MW-0507-S1	4/22/2014	12.63	33.37	827.19	814.56
MW-0509-I2	10/19/2005	12.58	55.96	826.32	813.74
MW-0509-I2	10/25/2005	12.66	55.96	826.32	813.66
MW-0509-I2	3/23/2006	9.87	55.65	826.32	816.45
MW-0509-I2	3/31/2006	9.05	55.65	826.32	817.27
MW-0509-I2	4/28/2006	9.81	---	826.32	816.51
MW-0509-I2	12/5/2006	8.36	55.74	826.32	817.96
MW-0509-I2	3/8/2007	9.68	55.67	826.32	816.64
MW-0509-I2	1/16/2008	12.37	55.79	826.32	813.95

Table 1. Monitoring Well Groundwater Elevation Data, Former GM Delco Plant 5, Kokomo, Indiana.

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0509-I2	11/11/2008	18.42	55.60	826.32	807.90
MW-0509-I2	2/17/2009	14.94	---	826.32	811.38
MW-0509-S1	9/20/2005	12.18	38.00	826.33	814.15
MW-0509-S1	10/25/2005	11.92	38.11	826.33	814.41
MW-0509-S1	3/23/2006	10.43	37.82	826.33	815.90
MW-0509-S1	3/31/2006	9.66	37.82	826.33	816.67
MW-0509-S1	4/28/2006	10.35	---	826.33	815.98
MW-0509-S1	12/5/2006	9.20	37.90	826.33	817.13
MW-0509-S1	3/8/2007	10.20	37.89	826.33	816.13
MW-0509-S1	1/16/2008	10.89	38.00	826.33	815.44
MW-0509-S1	11/11/2008	14.24	37.92	826.33	812.09
MW-0509-S1	2/17/2009	12.38	---	826.33	813.95
MW-0509-S1	6/12/2009	11.04	---	826.33	815.29
MW-0509-S1	4/13/2010	10.82	37.91	826.33	815.51
MW-0509-S1	9/5/2010	13.45	37.90	826.33	812.88
MW-0509-S1	4/20/2011	10.29	37.85	826.33	816.04
MW-0509-S1	9/27/2011	11.43	38.08	826.33	814.90
MW-0509-S1	3/29/2012	11.13	38.00	826.33	815.20
MW-0509-S1	10/9/2012	13.65	37.98	826.33	812.68
MW-0509-S1	3/12/2013	13.45	37.98	826.33	812.88
MW-0509-S1	9/24/2013	12.62	38.03	826.33	813.71
MW-0509-S1	4/22/2014	11.35	38.06	826.33	814.98
MW-0516-S1	10/19/2005	13.42	32.88	827.98	814.56
MW-0516-S1	10/25/2005	13.42	32.88	827.98	814.56
MW-0516-S1	3/23/2006	11.88	32.61	827.98	816.10
MW-0516-S1	3/31/2006	11.13	32.61	827.98	816.85
MW-0516-S1	4/28/2006	11.78	---	827.98	816.20
MW-0516-S1	12/5/2006	10.11	---	827.98	817.87
MW-0516-S1	3/8/2007	11.59	32.66	827.98	816.39
MW-0516-S1	1/16/2008	12.35	32.40	827.98	815.63
MW-0516-S1	11/11/2008	15.74	32.60	827.98	812.24
MW-0516-S1	2/17/2009	14.00	---	827.98	813.98
MW-0516-S1	6/12/2009	12.52	---	827.98	815.46
MW-0516-S1	4/13/2010	12.24	32.70	827.98	815.74
MW-0516-S1	9/5/2010	14.96	32.65	827.98	813.02
MW-0516-S1	4/20/2011	11.31	32.60	827.98	816.67
MW-0516-S1	9/27/2011	12.92	32.84	827.98	815.06
MW-0516-S1	3/29/2012	12.59	32.80	827.98	815.39
MW-0516-S1	10/9/2012	15.16	32.60	827.98	812.82
MW-0516-S1	3/12/2013	13.33	32.60	827.98	814.65
MW-0516-S1	9/24/2013	14.08	32.79	827.98	813.90
MW-0516-S1	4/22/2014	12.74	32.80	827.98	815.24
MW-0516-S2	10/20/2005	14.37	68.38	827.97	813.60
MW-0516-S2	10/25/2005	14.38	68.38	827.97	813.59
MW-0516-S2	3/23/2006	11.46	68.05	827.97	816.51
MW-0516-S2	3/31/2006	10.61	68.05	827.97	817.36
MW-0516-S2	4/28/2006	11.55	---	827.97	816.42
MW-0516-S2	12/5/2006	10.55	---	827.97	817.42
MW-0516-S2	3/8/2007	11.40	68.11	827.97	816.57
MW-0516-S2	1/16/2008	14.11	68.26	827.97	813.86
MW-0516-S2	11/11/2008	19.99	68.05	827.97	807.98
MW-0516-S2	2/17/2009	16.58	---	827.97	811.39
MW-0516-S2	6/12/2009	14.71	---	827.97	813.26
MW-0516-S2	4/13/2010	13.72	68.18	827.97	814.25
MW-0516-S2	4/20/2011	14.02	68.10	827.97	813.95
MW-0516-S2	3/12/2013	14.38	68.10	827.97	813.59
MW-0516-S2	9/24/2013	17.03	68.26	827.97	810.94
MW-0516-S2	4/22/2014	14.92	69.09	827.97	813.05
MW-0517-I2	10/18/2005	13.02	40.13	826.56	813.54
MW-0517-I2	10/25/2005	12.45	40.13	826.56	814.11
MW-0517-I2	3/22/2006	10.25	39.89	826.56	816.31
MW-0517-I2	3/31/2006	9.45	39.89	826.56	817.11
MW-0517-I2	4/28/2006	10.73	---	826.56	815.83
MW-0517-I2	12/5/2006	10.10	---	826.56	816.46

Table 1. Monitoring Well Groundwater Elevation Data, Former GM Delco Plant 5, Kokomo, Indiana.

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0517-I2	3/8/2007	10.61	39.90	826.56	815.95
MW-0517-I2	1/16/2008	12.55	40.05	826.56	814.01
MW-0517-I2	11/11/2008	15.14	39.96	826.56	811.42
MW-0517-I2	2/17/2009	13.32	---	826.56	813.24
MW-0517-S1	9/20/2005	12.44	30.72	826.47	814.03
MW-0517-S1	10/18/2005	12.17	30.85	826.47	814.30
MW-0517-S1	10/25/2005	12.17	30.85	826.47	814.30
MW-0517-S1	3/22/2006	10.70	30.63	826.47	815.77
MW-0517-S1	3/31/2006	9.91	30.63	826.47	816.56
MW-0517-S1	4/28/2006	10.64	---	826.47	815.83
MW-0517-S1	12/5/2006	9.48	---	826.47	816.99
MW-0517-S1	3/8/2007	10.42	30.51	826.47	816.05
MW-0517-S1	1/16/2008	11.23	30.70	826.47	815.24
MW-0517-S1	11/11/2008	14.47	30.60	826.47	812.00
MW-0517-S1	2/17/2009	12.65	---	826.47	813.82
MW-0517-S1	6/12/2009	11.34	---	826.47	815.13
MW-0517-S1	10/9/2012	13.88	30.62	826.47	812.59
MW-0517-S1	3/12/2013	11.98	30.62	826.47	814.49
MW-0517-S1	9/24/2013	12.87	30.75	826.47	813.60
MW-0517-S1	4/22/2014	11.65	30.76	826.47	814.82
MW-0602-B1	3/24/2006	9.12	86.17	825.36	816.24
MW-0602-B1	3/31/2006	8.32	86.17	825.36	817.04
MW-0602-B1	4/28/2006	9.16	---	825.36	816.20
MW-0602-B1	12/5/2006	7.78	---	825.36	817.58
MW-0602-B1	3/8/2007	9.03	86.21	825.36	816.33
MW-0602-B1	1/16/2008	11.55	86.25	825.36	813.81
MW-0602-B1	11/11/2008	17.37	86.27	825.36	807.99
MW-0602-B1	2/17/2009	13.94	---	825.36	811.42
MW-0602-B1	6/12/2009	12.16	---	825.36	813.20
MW-0602-B1	4/13/2010	11.04	86.31	825.36	814.32
MW-0602-B1	9/5/2010	16.11	86.90	825.36	809.25
MW-0602-B1	4/20/2011	11.61	86.19	825.36	813.75
MW-0602-B1	9/27/2011	13.80	86.45	825.36	811.56
MW-0602-S1	3/24/2006	11.70	28.31	825.3	813.60
MW-0602-S1	3/31/2006	10.93	28.31	825.3	814.37
MW-0602-S1	4/28/2006	10.90	---	825.3	814.40
MW-0602-S1	12/5/2006	9.94	---	825.3	815.36
MW-0602-S1	3/8/2007	10.68	27.20	825.3	814.62
MW-0602-S1	1/16/2008	11.10	27.41	825.3	814.20
MW-0602-S1	11/11/2008	13.93	27.11	825.3	811.37
MW-0602-S1	2/17/2009	12.20	---	825.3	813.10
MW-0602-S1	6/12/2009	11.71	---	825.3	813.59
MW-0602-S1	4/13/2010	11.36	27.31	825.3	813.94
MW-0602-S1	9/5/2010	12.79	27.24	825.3	812.51
MW-0602-S1	4/20/2011	11.01	27.07	825.3	814.29
MW-0602-S1	9/27/2011	11.65	27.39	825.3	813.65
MW-0602-S1	3/29/2012	11.30	27.20	825.3	814.00
MW-0602-S1	10/9/2012	12.64	27.00	825.3	812.66
MW-0602-S1	3/12/2013	11.62	27.00	825.3	813.68
MW-0602-S1	9/24/2013	12.64	27.20	825.3	812.66
MW-0602-S1	4/22/2014	11.52	24.09	825.3	813.78
MW-0603-B1	3/24/2006	9.70	83.40	826.2	816.50
MW-0603-B1	3/31/2006	8.92	83.40	826.2	817.28
MW-0603-B1	4/28/2006	9.76	---	826.2	816.44
MW-0603-B1	12/5/2006	8.35	---	826.2	817.85
MW-0603-B1	3/8/2007	9.64	83.32	826.2	816.56
MW-0603-B1	1/16/2008	12.13	83.48	826.2	814.07
MW-0603-B1	11/11/2008	18.04	83.24	826.2	808.16
MW-0603-B1	2/17/2009	14.69	---	826.2	811.51
MW-0603-B1	6/12/2009	12.86	---	826.2	813.34
MW-0603-B1	4/13/2010	11.82	83.38	826.2	814.38
MW-0603-B1	9/5/2010	16.78	83.35	826.2	809.42
MW-0603-B1	4/20/2011	12.27	83.22	826.2	813.93
MW-0603-B1	9/27/2011	14.47	83.55	826.2	811.73

Table 1. Monitoring Well Groundwater Elevation Data, Former GM Delco Plant 5, Kokomo, Indiana.

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0603-S1	3/24/2006	10.79	24.38	826.09	815.30
MW-0603-S1	3/31/2006	10.02	24.38	826.09	816.07
MW-0603-S1	4/28/2006	10.71	---	826.09	815.38
MW-0603-S1	12/5/2006	9.59	---	826.09	816.50
MW-0603-S1	3/8/2007	10.46	24.12	826.09	815.63
MW-0603-S1	1/16/2008	11.06	24.33	826.09	815.03
MW-0603-S1	11/11/2008	14.15	24.15	826.09	811.94
MW-0603-S1	2/17/2009	12.35	---	826.09	813.74
MW-0603-S1	6/12/2009	11.25	---	826.09	814.84
MW-0603-S1	4/13/2010	11.06	24.31	826.09	815.03
MW-0603-S1	9/5/2010	13.46	24.20	826.09	812.63
MW-0603-S1	4/20/2011	10.44	24.10	826.09	815.65
MW-0603-S1	9/27/2011	11.53	24.22	826.09	814.56
MW-0603-S1	3/29/2012	11.33	24.15	826.09	814.76
MW-0603-S1	10/9/2012	13.55	24.00	826.09	812.54
MW-0603-S1	3/12/2013	11.85	24.00	826.09	814.24
MW-0603-S1	9/24/2013	12.65	24.18	826.09	813.44
MW-0603-S1	4/22/2014	11.52	24.09	826.09	814.57
MW-0603-S2	3/24/2006	10.82	69.25	826.1	815.28
MW-0603-S2	3/31/2006	9.97	69.25	826.1	816.13
MW-0603-S2	4/28/2006	9.89	---	826.1	816.21
MW-0603-S2	12/5/2006	8.46	---	826.1	817.64
MW-0603-S2	3/8/2007	9.78	69.27	826.1	816.32
MW-0603-S2	1/16/2008	12.35	69.41	826.1	813.75
MW-0603-S2	11/11/2008	18.17	69.21	826.1	807.93
MW-0603-S2	2/17/2009	14.83	---	826.1	811.27
MW-0603-S2	6/12/2009	12.98	---	826.1	813.12
MW-0603-S2	4/13/2010	11.96	69.35	826.1	814.14
MW-0603-S2	9/5/2010	16.72	69.25	826.1	809.38
MW-0603-S2	4/20/2011	12.19	69.04	826.1	813.91
MW-0603-S2	9/27/2011	14.39	69.35	826.1	811.71
MW-0603-S2	3/29/2012	12.07	69.28	826.1	814.03
MW-0603-S2	10/9/2012	17.45	69.15	826.1	808.65
MW-0603-S2	3/12/2013	12.45	69.15	826.1	813.65
MW-0603-S2	9/24/2013	15.09	69.29	826.1	811.01
MW-0603-S2	4/22/2014	13.02	70.65	826.1	813.08
MW-0604-S1	3/22/2006	10.65	29.41	826.28	815.63
MW-0604-S1	3/31/2006	9.87	29.41	826.28	816.41
MW-0604-S1	4/28/2006	10.59	---	826.28	815.69
MW-0604-S1	12/5/2006	9.45	---	826.28	816.83
MW-0604-S1	3/8/2007	10.37	28.81	826.28	815.91
MW-0604-S1	1/16/2008	11.15	28.95	826.28	815.13
MW-0604-S1	11/11/2008	14.27	28.73	826.28	812.01
MW-0604-S1	2/17/2009	12.51	---	826.28	813.77
MW-0604-S1	6/12/2009	11.26	---	826.28	815.02
MW-0604-S1	10/9/2012	13.73	28.78	826.28	812.55
MW-0604-S1	3/12/2013	11.87	28.78	826.28	814.41
MW-0604-S1	9/24/2013	12.74	28.91	826.28	813.54
MW-0604-S1	4/22/2014	11.59	28.98	826.28	814.69
MW-0604-S2	3/22/2006	10.02	61.06	826.44	816.42
MW-0604-S2	3/31/2006	9.27	61.06	826.44	817.17
MW-0604-S2	4/28/2006	10.13	---	826.44	816.31
MW-0604-S2	12/5/2006	8.70	---	826.44	817.74
MW-0604-S2	3/8/2007	9.93	61.12	826.44	816.51
MW-0604-S2	1/16/2008	12.51	61.21	826.44	813.93
MW-0604-S2	11/11/2008	18.45	61.05	826.44	807.99
MW-0604-S2	2/17/2009	15.02	---	826.44	811.42
MW-0604-S2	6/12/2009	13.17	---	826.44	813.27
MW-0604-S2	4/13/2010	12.17	61.10	826.44	814.27
MW-0604-S2	9/5/2010	17.17	61.55	826.44	809.27
MW-0604-S2	4/20/2011	12.63	61.00	826.44	813.81
MW-0604-S2	9/27/2011	14.89	61.32	826.44	811.55
MW-0604-S2	3/29/2012	12.41	61.23	826.44	814.03
MW-0604-S2	10/9/2012	17.88	61.14	826.44	808.56

Table 1. Monitoring Well Groundwater Elevation Data, Former GM Delco Plant 5, Kokomo, Indiana.

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0604-S2	3/12/2013	13.01	61.14	826.44	813.43
MW-0604-S2	9/24/2013	15.49	61.22	826.44	810.95
MW-0604-S2	4/22/2014	13.49	61.26	826.44	812.95
MW-0605-B1	3/22/2006	10.79	89.55	827.44	816.65
MW-0605-B1	3/31/2006	9.99	89.55	827.44	817.45
MW-0605-B1	4/28/2006	10.95	---	827.44	816.49
MW-0605-B1	12/5/2006	9.49	---	827.44	817.95
MW-0605-B1	3/8/2007	10.77	89.53	827.44	816.67
MW-0605-B1	1/16/2008	13.45	89.65	827.44	813.99
MW-0605-B1	11/11/2008	19.44	89.60	827.44	808.00
MW-0605-B1	2/17/2009	16.04	---	827.44	811.40
MW-0605-B1	6/12/2009	14.11	---	827.44	813.33
MW-0605-B1	4/13/2010	13.10	89.85	827.44	814.34
MW-0605-B1	9/5/2010	18.20	89.60	827.44	809.24
MW-0605-B1	4/20/2011	13.61	89.50	827.44	813.83
MW-0605-B1	9/27/2011	15.86	89.75	827.44	811.58
MW-0605-S1	3/22/2006	11.23	29.83	827.38	816.15
MW-0605-S1	3/31/2006	10.46	29.83	827.38	816.92
MW-0605-S1	4/28/2006	11.19	---	827.38	816.19
MW-0605-S1	12/5/2006	9.97	---	827.38	817.41
MW-0605-S1	3/8/2007	10.98	29.64	827.38	816.40
MW-0605-S1	1/16/2008	11.79	29.71	827.38	815.59
MW-0605-S1	11/11/2008	15.14	29.65	827.38	812.24
MW-0605-S1	2/17/2009	13.42	---	827.38	813.96
MW-0605-S1	6/12/2009	11.91	---	827.38	815.47
MW-0605-S1	4/13/2010	11.64	29.65	827.38	815.74
MW-0605-S1	9/5/2010	14.37	29.64	827.38	813.01
MW-0605-S1	4/20/2011	11.20	29.50	827.38	816.18
MW-0605-S1	9/27/2011	12.35	29.82	827.38	815.03
MW-0605-S1	3/29/2012	11.90	29.75	827.38	815.48
MW-0605-S1	10/9/2012	14.59	29.50	827.38	812.79
MW-0605-S1	3/12/2013	12.70	29.50	827.38	814.68
MW-0605-S1	9/24/2013	13.55	29.74	827.38	813.83
MW-0605-S1	4/22/2014	12.23	29.71	827.38	815.15
MW-0605-S2	3/22/2006	10.87	61.15	827.38	816.51
MW-0605-S2	3/31/2006	10.02	61.15	827.38	817.36
MW-0605-S2	4/28/2006	10.91	---	827.38	816.47
MW-0605-S2	12/5/2006	9.44	---	827.38	817.94
MW-0605-S2	3/8/2007	10.72	61.13	827.38	816.66
MW-0605-S2	1/16/2008	13.36	61.26	827.38	814.02
MW-0605-S2	11/11/2008	19.36	61.12	827.38	808.02
MW-0605-S2	2/17/2009	15.97	---	827.38	811.41
MW-0605-S2	6/12/2009	14.06	---	827.38	813.32
MW-0605-S2	4/13/2010	13.05	61.18	827.38	814.33
MW-0605-S2	9/5/2010	18.12	61.20	827.38	809.26
MW-0605-S2	4/20/2011	13.55	61.11	827.38	813.83
MW-0605-S2	9/27/2011	15.82	61.35	827.38	811.56
MW-0605-S2	3/29/2012	13.25	61.28	827.38	814.13
MW-0605-S2	10/9/2012	18.86	61.21	827.38	808.52
MW-0605-S2	3/12/2013	14.06	61.21	827.38	813.32
MW-0605-S2	9/24/2013	16.42	61.25	827.38	810.96
MW-0605-S2	4/22/2014	14.38	62.10	827.38	813.00
MW-0606-S1	3/23/2006	8.80	31.65	824.1	815.30
MW-0606-S1	3/31/2006	8.03	31.65	824.1	816.07
MW-0606-S1	4/28/2006	8.71	---	824.1	815.39
MW-0606-S1	12/5/2006	7.67	---	824.1	816.43
MW-0606-S1	3/8/2007	8.54	31.52	824.1	815.56
MW-0606-S1	11/11/2008	12.36	31.40	824.1	811.74
MW-0606-S1	2/17/2009	10.43	---	824.1	813.67
MW-0606-S1	6/12/2009	8.38	---	824.1	815.72
MW-0606-S1	4/13/2010	9.20	31.42	824.1	814.90
MW-0606-S1	10/9/2012	11.72	31.26	824.1	812.38
MW-0606-S1	3/12/2013	9.89	31.26	824.1	814.21
MW-0606-S1	9/24/2013	10.51	31.34	824.1	813.59

Table 1. Monitoring Well Groundwater Elevation Data, Former GM Delco Plant 5, Kokomo, Indiana.

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0606-S1	4/22/2014	9.71	31.27	824.1	814.39
MW-0606-S2	3/23/2006	7.68	58.83	823.97	816.29
MW-0606-S2	3/31/2006	6.93	58.83	823.97	817.04
MW-0606-S2	4/28/2006	8.72	---	823.97	815.25
MW-0606-S2	12/5/2006	6.35	---	823.97	817.62
MW-0606-S2	3/8/2007	7.61	58.67	823.97	816.36
MW-0606-S2	11/11/2008	15.92	58.70	823.97	808.05
MW-0606-S2	2/17/2009	12.51	---	823.97	811.46
MW-0606-S2	6/12/2009	10.68	---	823.97	813.29
MW-0606-S2	9/5/2010	14.62	59.00	823.97	809.35
MW-0606-S2	4/20/2011	10.15	58.63	823.97	813.82
MW-0606-S2	9/27/2011	12.38	58.90	823.97	811.59
MW-0606-S2	3/29/2012	10.00	58.80	823.97	813.97
MW-0606-S2	10/9/2012	15.34	58.69	823.97	808.63
MW-0606-S2	3/12/013	10.47	58.69	823.97	813.50
MW-0606-S2	9/24/2013	13.00	58.85	823.97	810.97
MW-0606-S2	4/22/2014	11.06	58.84	823.97	812.91
MW-0607-B1	1/16/2008	8.40	77.51	822.768	814.37
MW-0607-B1	11/11/2008	13.99	77.42	822.768	808.78
MW-0607-B1	2/17/2009	10.63	---	822.768	812.14
MW-0607-B1	6/12/2009	8.95	---	822.768	813.82
MW-0607-B1	4/13/2010	8.02	77.46	822.768	814.75
MW-0607-B1	9/5/2010	12.50	78.00	822.768	810.27
MW-0607-B1	4/20/2011	8.41	77.44	822.768	814.36
MW-0607-B1	9/27/2011	10.60	77.62	822.768	812.17
MW-0607-S1	3/24/2006	8.55	26.85	822.65	814.10
MW-0607-S1	3/31/2006	7.78	26.85	822.65	814.87
MW-0607-S1	4/28/2006	8.52	---	822.65	814.13
MW-0607-S1	12/5/2006	7.68	---	822.65	814.97
MW-0607-S1	3/8/2007	8.33	26.55	822.65	814.32
MW-0607-S1	1/16/2008	8.88	26.68	822.65	813.77
MW-0607-S1	11/11/2008	11.61	26.50	822.65	811.04
MW-0607-S1	2/17/2009	9.72	---	822.65	812.93
MW-0607-S1	6/12/2009	9.12	---	822.65	813.53
MW-0607-S1	4/13/2010	9.00	26.50	822.65	813.65
MW-0607-S1	9/5/2010	10.98	26.50	822.65	811.67
MW-0607-S1	4/20/2011	8.49	26.42	822.65	814.16
MW-0607-S1	9/27/2011	9.31	26.40	822.65	813.34
MW-0607-S1	3/29/2012	9.26	26.27	822.65	813.39
MW-0607-S1	10/9/2012	11.05	26.00	822.65	811.60
MW-0607-S1	3/12/2013	9.40	26.00	822.65	813.25
MW-0607-S1	9/24/2013	10.30	26.25	822.65	812.35
MW-0607-S1	4/22/2014	9.53	26.16	822.65	813.12
MW-0607-S2	3/8/2007	7.00	50.51	823.06	816.06
MW-0607-S2	1/16/2008	9.27	50.65	823.06	813.79
MW-0607-S2	11/11/2008	14.91	50.57	823.06	808.15
MW-0607-S2	2/17/2009	11.53	---	823.06	811.53
MW-0607-S2	6/12/2009	9.83	---	823.06	813.23
MW-0607-S2	4/13/2010	8.78	50.58	823.06	814.28
MW-0607-S2	9/5/2010	13.63	57.05	823.06	809.43
MW-0607-S2	4/20/2011	9.15	50.47	823.06	813.91
MW-0607-S2	9/27/2011	11.47	50.72	823.06	811.59
MW-0607-S2	3/29/2012	9.21	50.68	823.06	813.85
MW-0607-S2	10/9/2012	14.27	50.66	823.06	808.79
MW-0607-S2	3/12/2013	9.56	50.66	823.06	813.50
MW-0607-S2	9/24/2013	12.10	50.74	823.06	810.96
MW-0607-S2	4/22/2014	10.16	50.68	823.06	812.90
MW-0608-B1	3/23/2006	9.84	91.07	825.97	816.13
MW-0608-B1	3/31/2006	9.05	91.07	825.97	816.92
MW-0608-B1	4/28/2006	9.79	---	825.97	816.18
MW-0608-B1	12/5/2006	8.51	---	825.97	817.46
MW-0608-B1	3/8/2007	9.72	89.59	825.97	816.25
MW-0608-B1	1/16/2008	12.18	89.67	825.97	813.79

Table 1. Monitoring Well Groundwater Elevation Data, Former GM Delco Plant 5, Kokomo, Indiana.

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0608-B1	11/11/2008	17.90	89.65	825.97	808.07
MW-0608-B1	2/17/2009	14.49	---	825.97	811.48
MW-0608-B1	6/12/2009	12.72	---	825.97	813.25
MW-0608-B1	4/13/2010	11.69	83.99	825.97	814.28
MW-0608-B1	9/5/2010	16.58	90.08	825.97	809.39
MW-0608-B1	4/20/2011	12.25	89.52	825.97	813.72
MW-0608-B1	9/27/2011	14.36	89.75	825.97	811.61
MW-0608-S1	3/23/2006	11.74	30.81	825.97	814.23
MW-0608-S1	3/31/2006	10.97	30.81	825.97	815.00
MW-0608-S1	4/28/2006	11.66	---	825.97	814.31
MW-0608-S1	12/5/2006	10.73	---	825.97	815.24
MW-0608-S1	3/8/2007	11.43	30.38	825.97	814.54
MW-0608-S1	1/16/2008	11.94	30.45	825.97	814.03
MW-0608-S1	11/11/2008	14.67	30.20	825.97	811.30
MW-0608-S1	2/17/2009	12.93	---	825.97	813.04
MW-0608-S1	6/12/2009	12.27	---	825.97	813.70
MW-0608-S1	4/13/2010	12.13	30.11	825.97	813.84
MW-0608-S1	9/5/2010	14.08	29.96	825.97	811.89
MW-0608-S1	4/20/2011	11.50	29.90	825.97	814.47
MW-0608-S1	9/27/2011	12.38	30.00	825.97	813.59
MW-0608-S1	3/29/2012	12.19	30.02	825.97	813.78
MW-0608-S1	10/9/2012	14.10	29.60	825.97	811.87
MW-0608-S1	3/12/2013	12.42	29.60	825.97	813.55
MW-0608-S1	9/24/2013	13.35	29.40	825.97	812.62
MW-0608-S1	4/22/2014	12.47	29.26	825.97	813.50
MW-0608-S2	3/23/2006	9.71	67.75	825.97	816.26
MW-0608-S2	3/31/2006	8.86	67.75	825.97	817.11
MW-0608-S2	4/28/2006	9.76	---	825.97	816.21
MW-0608-S2	12/5/2006	8.43	---	825.97	817.54
MW-0608-S2	3/8/2007	9.70	67.76	825.97	816.27
MW-0608-S2	1/16/2008	12.10	68.91	825.97	813.87
MW-0608-S2	11/11/2008	17.84	67.80	825.97	808.13
MW-0608-S2	2/17/2009	14.45	---	825.97	811.52
MW-0608-S2	6/12/2009	12.68	---	825.97	813.29
MW-0608-S2	4/13/2010	11.59	67.85	825.97	814.38
MW-0608-S2	9/5/2010	16.55	68.25	825.97	809.42
MW-0608-S2	4/20/2011	12.12	67.70	825.97	813.85
MW-0608-S2	9/27/2011	14.31	67.99	825.97	811.66
MW-0608-S2	3/29/2012	11.90	67.90	825.97	814.07
MW-0608-S2	10/9/2012	17.22	67.75	825.97	808.75
MW-0608-S2	3/21/2013	12.43	67.75	825.97	813.54
MW-0608-S2	9/24/2013	14.96	67.04	825.97	811.01
MW-0608-S2	4/22/2014	13.02	68.94	825.97	812.95
MW-0609-S1	3/23/2006	9.49	28.45	822.75	813.26
MW-0609-S1	3/31/2006	9.17	28.45	822.75	813.58
MW-0609-S1	4/28/2006	9.47	---	822.75	813.28
MW-0609-S1	12/5/2006	8.62	---	822.75	814.13
MW-0609-S1	3/9/2007	9.15	27.05	822.75	813.60
MW-0609-S1	1/16/2008	9.45	27.40	822.75	813.30
MW-0609-S1	11/11/2008	11.81	27.05	822.75	810.94
MW-0609-S1	2/17/2009	10.22	---	822.75	812.53
MW-0609-S1	6/12/2009	9.73	---	822.75	813.02
MW-0609-S1	4/13/2010	9.84	26.99	822.75	812.91
MW-0609-S1	9/5/2010	11.35	27.05	822.75	811.40
MW-0609-S1	4/20/2011	9.13	27.00	822.75	813.62
MW-0609-S1	9/27/2011	9.85	27.04	822.75	812.90
MW-0609-S1	3/29/2012	9.76	27.11	822.75	812.99
MW-0609-S1	10/9/2012	11.31	26.80	822.75	811.44
MW-0609-S1	3/12/2013	18.78	26.80	822.75	803.97
MW-0609-S1	9/24/2013	10.64	27.00	822.75	812.11
MW-0609-S1	4/22/2014	10.00	26.93	822.75	812.75
MW-0609-S2	12/5/2006	5.68	---	823.09	817.41
MW-0609-S2	3/8/2007	6.93	61.32	823.09	816.16
MW-0609-S2	1/16/2008	9.24	61.44	823.09	813.85

Table 1. Monitoring Well Groundwater Elevation Data, Former GM Delco Plant 5, Kokomo, Indiana.

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0609-S2	11/11/2008	14.97	61.30	823.09	808.12
MW-0609-S2	2/17/2009	11.60	---	823.09	811.49
MW-0609-S2	6/12/2009	9.86	---	823.09	813.23
MW-0609-S2	4/13/2010	8.77	62.43	823.09	814.32
MW-0609-S2	9/5/2010	13.69	61.45	823.09	809.40
MW-0609-S2	4/20/2011	9.22	61.30	823.09	813.87
MW-0609-S2	9/27/2011	11.52	61.59	823.09	811.57
MW-0609-S2	3/29/2012	9.15	61.52	823.09	813.94
MW-0609-S2	10/9/2012	14.36	26.80	823.09	808.73
MW-0609-S2	3/12/2013	9.62	26.80	823.09	813.47
MW-0609-S2	9/24/2013	12.15	61.54	823.09	810.94
MW-0609-S2	4/22/2014	10.21	61.49	823.09	812.88
MW-0610-S1	12/5/2006	8.87	---	822.55	813.68
MW-0610-S1	3/8/2007	9.42	31.55	822.55	813.13
MW-0610-S1	1/16/2008	9.97	31.59	822.55	812.58
MW-0610-S1	11/11/2008	11.85	31.46	822.55	810.70
MW-0610-S1	2/17/2009	10.39	---	822.55	812.16
MW-0610-S1	6/12/2009	10.07	---	822.55	812.48
MW-0610-S1	4/13/2010	10.28	31.49	822.55	812.27
MW-0610-S1	9/5/2010	11.55	31.65	822.55	811.00
MW-0610-S1	4/20/2011	9.55	31.42	822.55	813.00
MW-0610-S1	9/27/2011	11.18	31.68	822.55	811.37
MW-0610-S1	3/29/2012	10.13	31.64	822.55	812.42
MW-0610-S1	10/9/2012	11.39	31.44	822.55	811.16
MW-0610-S1	3/12/2013	10.16	31.44	822.55	812.39
MW-0610-S1	9/24/2013	10.85	31.63	822.55	811.70
MW-0610-S1	4/22/2014	9.45	31.65	822.55	813.10
MW-0611-S1	12/5/2006	4.97	---	821.77	816.80
MW-0611-S1	3/8/2007	7.45	17.60	821.77	814.32
MW-0611-S1	1/16/2008	8.06	17.70	821.77	813.71
MW-0611-S1	2/17/2009	11.15	---	821.77	810.62
MW-0611-S1	6/12/2009	10.00	---	821.77	811.77
MW-0611-S1	4/13/2010	8.85	17.60	821.77	812.92
MW-0611-S1	9/5/2010	12.67	17.65	821.77	809.10
MW-0611-S1	10/9/2012	NM	NM	821.77	Could not Locate
MW-0612-S1	12/5/2006	9.13	---	823.85	814.72
MW-0612-S1	3/8/2007	8.90	27.12	823.85	814.95
MW-0612-S1	1/16/2008	9.50	27.25	823.85	814.35
MW-0612-S1	11/11/2008	12.44	27.15	823.85	811.41
MW-0612-S1	2/17/2009	10.59	---	823.85	813.26
MW-0612-S1	6/12/2009	9.71	---	823.85	814.14
MW-0612-S1	3/29/2012	9.79	27.30	823.85	814.06
MW-0612-S1	10/9/2012	11.84	27.10	823.85	812.01
MW-0612-S1	3/12/2013	10.10	27.10	823.85	813.75
MW-0612-S1	9/24/2013	10.49	27.32	823.85	813.36
MW-0612-S1	4/22/2014	10.03	27.30	823.85	813.82
MW-0612-S2	12/5/2006	6.34	---	823.84	817.50
MW-0612-S2	3/8/2007	7.59	54.94	823.84	816.25
MW-0612-S2	1/16/2008	10.00	55.10	823.84	813.84
MW-0612-S2	11/11/2008	15.74	55.00	823.84	808.10
MW-0612-S2	2/17/2009	12.34	---	823.84	811.50
MW-0612-S2	6/12/2009	10.57	---	823.84	813.27
MW-0612-S2	3/29/2012	9.78	55.14	823.84	814.06
MW-0612-S2	10/9/2012	15.14	54.90	823.84	808.70
MW-0612-S2	3/12/2013	10.35	54.90	823.84	813.49
MW-0612-S2	9/24/2013	12.57	55.15	823.84	811.27
MW-0612-S2	4/22/2014	10.91	55.11	823.84	812.93
MW-0613-S1	12/5/2006	5.87	---	822.03	816.16
MW-0613-S1	3/8/2007	6.72	25.36	822.03	815.31
MW-0613-S1	1/16/2008	7.40	25.50	822.03	814.63
MW-0613-S1	11/11/2008	10.57	25.39	822.03	811.46
MW-0613-S1	2/17/2009	8.53	---	822.03	813.50
MW-0613-S1	6/12/2009	7.61	---	822.03	814.42

Table 1. Monitoring Well Groundwater Elevation Data, Former GM Delco Plant 5, Kokomo, Indiana.

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0613-S1	4/13/2010	7.40	25.40	822.03	814.63
MW-0613-S1	9/5/2010	9.85	25.40	822.03	812.18
MW-0613-S1	4/20/2011	6.79	25.58	822.03	815.24
MW-0613-S1	9/27/2011	7.84	25.58	822.03	814.19
MW-0613-S1	3/29/2012	7.53	25.34	822.03	814.50
MW-0613-S1	10/9/2012	9.96	25.37	822.03	812.07
MW-0613-S1	3/12/2013	8.01	25.37	822.03	814.02
MW-0613-S1	9/24/2013	9.03	25.55	822.03	813.00
MW-0613-S1	4/22/2014	7.97	25.55	822.03	814.06
MW-0614-B1	12/5/2006	9.13	---	826.94	817.81
MW-0614-B1	3/8/2007	10.41	89.69	826.94	816.53
MW-0614-B1	1/16/2008	13.06	89.75	826.94	813.88
MW-0614-B1	11/11/2008	18.92	89.62	826.94	808.02
MW-0614-B1	2/17/2009	15.55	---	826.94	811.39
MW-0614-B1	6/12/2009	13.69	---	826.94	813.25
MW-0614-B1	4/13/2010	12.68	89.75	826.94	814.26
MW-0614-B1	9/5/2010	17.66	90.20	826.94	809.28
MW-0614-B1	4/20/2011	13.10	89.60	826.94	813.84
MW-0614-B1	9/27/2011	15.31	89.90	826.94	811.63
MW-0614-S2	12/5/2006	9.05	---	826.81	817.76
MW-0614-S2	3/8/2007	10.33	57.68	826.81	816.48
MW-0614-S2	1/16/2008	13.00	57.80	826.81	813.81
MW-0614-S2	11/11/2008	18.81	57.55	826.81	808.00
MW-0614-S2	2/17/2009	15.45	---	826.81	811.36
MW-0614-S2	6/12/2009	13.58	---	826.81	813.23
MW-0614-S2	4/13/2010	12.58	57.80	826.81	814.23
MW-0614-S2	9/5/2010	17.57	58.05	826.81	809.24
MW-0614-S2	4/20/2011	12.97	57.65	826.81	813.84
MW-0614-S2	9/27/2011	15.21	57.90	826.81	811.60
MW-0614-S2	3/29/2012	12.84	57.85	826.81	813.97
MW-0614-S2	10/9/2012	18.27	57.70	826.81	808.54
MW-0614-S2	3/12/2013	13.25	57.70	826.81	813.56
MW-0614-S2	9/24/2013	15.91	57.91	826.81	810.90
MW-0614-S2	4/22/2014	13.78	57.87	826.81	813.03
MW-0615-B1	12/5/2006	12.12	---	824.74	812.62
MW-0615-B1	3/8/2007	13.37	78.28	824.74	811.37
MW-0615-B1	1/16/2008	13.84	78.45	824.74	810.90
MW-0615-B1	11/11/2008	18.16	78.19	824.74	806.58
MW-0615-B1	2/17/2009	14.75	---	824.74	809.99
MW-0615-B1	6/12/2009	14.12	---	824.74	810.62
MW-0615-B1	4/13/2010	13.53	78.36	824.74	811.21
MW-0615-B1	9/5/2010	17.05	78.35	824.74	807.69
MW-0615-B1	4/20/2011	14.05	78.26	824.74	810.69
MW-0615-B1	9/27/2011	15.19	78.45	824.74	809.55
MW-0616-B1	12/5/2006	4.58	110.55	822.3	817.72
MW-0616-B1	3/8/2007	5.88	110.55	822.3	816.42
MW-0616-B1	1/16/2008	8.60	110.55	822.3	813.70
MW-0616-B1	11/11/2008	14.52	110.51	822.3	807.78
MW-0616-B1	2/17/2009	11.02	---	822.3	811.28
MW-0616-B1	6/12/2009	9.18	---	822.3	813.12
MW-0616-B1	4/13/2010	8.23	---	822.3	814.07
MW-0616-B1	9/5/2010	13.10	---	822.3	809.20
MW-0616-B1	4/20/2011	8.51	--	822.3	813.79
MW-0616-B1	9/27/2011	10.76	110.80	822.3	811.54
MW-0616-S1	12/5/2006	6.58	---	822.06	815.48
MW-0616-S1	3/8/2007	7.11	24.36	822.06	814.95
MW-0616-S1	1/16/2008	7.47	24.50	822.06	814.59
MW-0616-S1	11/11/2008	9.84	24.25	822.06	812.22
MW-0616-S1	2/17/2009	8.31	---	822.06	813.75
MW-0616-S1	6/12/2009	7.53	---	822.06	814.53
MW-0616-S1	4/13/2010	7.49	24.30	822.06	814.57
MW-0616-S1	9/5/2010	9.28	24.25	822.06	812.78
MW-0616-S1	4/20/2011	6.39	24.22	822.06	815.67

Table 1. Monitoring Well Groundwater Elevation Data, Former GM Delco Plant 5, Kokomo, Indiana.

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0616-S1	9/27/2011	7.53	24.40	822.06	814.53
MW-0616-S1	3/29/2012	7.68	24.53	822.06	814.38
MW-0616-S1	10/9/2012	9.32	24.19	822.06	812.74
MW-0616-S1	3/12/2013	8.09	24.19	822.06	813.97
MW-0616-S1	9/24/2013	8.59	24.24	822.06	813.47
MW-0616-S1	4/22/2014	7.83	24.24	822.06	814.23
MW-0617-B1	3/8/2007	10.02	---	826.63	816.61
MW-0617-B1	1/16/2008	12.58	---	826.63	814.05
MW-0617-B1	11/11/2008	18.49	---	826.63	808.14
MW-0617-B1	2/17/2009	15.08	---	826.63	811.55
MW-0617-B1	6/12/2009	13.25	---	826.63	813.38
MW-0617-S1	3/8/2007	11.18	29.36	826.47	815.29
MW-0617-S1	1/16/2008	11.90	29.50	826.47	814.57
MW-0617-S1	11/11/2008	14.87	29.40	826.47	811.60
MW-0617-S1	2/17/2009	13.07	---	826.47	813.40
MW-0617-S1	6/12/2009	12.03	---	826.47	814.44
MW-0617-S1	10/9/2012	14.27	29.41	826.47	812.20
MW-0617-S1	3/12/2013	12.64	29.41	826.47	813.83
MW-0617-S1	9/24/2013	13.38	29.50	826.47	813.09
MW-0617-S1	4/22/2014	12.32	29.47	826.47	814.15
MW-0617-S2	3/8/2007	10.21	63.37	826.66	816.45
MW-0617-S2	1/16/2008	12.80	63.15	826.66	813.86
MW-0617-S2	11/11/2008	18.68	63.20	826.66	807.98
MW-0617-S2	2/17/2009	15.33	---	826.66	811.33
MW-0617-S2	6/12/2009	13.44	---	826.66	813.22
MW-0618-S1	12/5/2006	8.13	---	824.84	816.71
MW-0618-S1	3/8/2007	9.08	27.00	824.84	815.76
MW-0618-S1	1/16/2008	9.72	27.12	824.84	815.12
MW-0618-S1	11/11/2008	13.07	27.05	824.84	811.77
MW-0618-S1	2/17/2009	11.09	---	824.84	813.75
MW-0618-S1	6/12/2009	9.94	---	824.84	814.90
MW-0618-S1	4/13/2010	9.73	27.31	824.84	815.11
MW-0618-S1	9/5/2010	12.32	27.05	824.84	812.52
MW-0618-S1	4/20/2011	9.13	26.99	824.84	815.71
MW-0618-S1	9/27/2011	10.28	27.20	824.84	814.56
MW-0618-S1	3/29/2012	10.06	27.19	824.84	814.78
MW-0618-S1	10/9/2012	12.43	26.99	824.84	812.41
MW-0618-S1	3/12/2013	10.51	26.99	824.84	814.33
MW-0618-S1	9/24/2013	11.48	27.18	824.84	813.36
MW-0618-S1	4/22/2014	10.28	27.17	824.84	814.56
MW-0619-S1	12/5/2006	10.13	---	827.46	817.33
MW-0619-S1	3/8/2007	11.12	26.07	827.46	816.34
MW-0619-S1	1/16/2008	11.88	26.20	827.46	815.58
MW-0619-S1	11/11/2008	15.29	26.10	827.46	812.17
MW-0619-S1	2/17/2009	13.51	---	827.46	813.95
MW-0619-S1	6/12/2009	12.03	---	827.46	815.43
MW-0619-S1	10/9/2012	14.69	26.07	827.46	812.77
MW-0619-S1	3/12/2013	12.85	26.07	827.46	814.61
MW-0619-S1	9/24/2013	13.65	26.25	827.46	813.81
MW-0619-S1	4/22/2014	12.34	26.24	827.46	815.12
MW-0620-S1	12/5/2006	9.94	---	827.39	817.45
MW-0620-S1	3/8/2007	10.97	18.36	827.39	816.42
MW-0620-S1	1/16/2008	11.78	18.46	827.39	815.61
MW-0620-S1	11/11/2008	15.15	18.45	827.39	812.24
MW-0620-S1	2/17/2009	13.41	---	827.39	813.98
MW-0620-S1	6/12/2009	11.89	---	827.39	815.50
MW-0620-S1	4/13/2010	11.60	18.39	827.39	815.79
MW-0620-S1	9/5/2010	13.85	18.40	827.39	813.54
MW-0620-S1	4/20/2011	11.07	18.34	827.39	816.32
MW-0620-S1	9/27/2011	12.19	18.55	827.39	815.20
MW-0620-S1	3/29/2012	11.95	18.50	827.39	815.44
MW-0620-S1	10/9/2012	14.60	19.38	827.39	812.79

Table 1. Monitoring Well Groundwater Elevation Data, Former GM Delco Plant 5, Kokomo, Indiana.

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0620-S1	3/12/2013	12.82	19.38	827.39	814.57
MW-0620-S1	9/24/2013	13.55	18.54	827.39	813.84
MW-0620-S1	4/22/2014	12.19	18.52	827.39	815.20
MW-0621-S1	12/5/2006	9.53	---	826.72	817.19
MW-0621-S1	3/8/2007	10.49	24.55	826.72	816.23
MW-0621-S1	1/16/2008	11.19	24.66	826.72	815.53
MW-0621-S1	11/11/2008	14.62	24.58	826.72	812.10
MW-0621-S1	2/17/2009	12.84	---	826.72	813.88
MW-0621-S1	6/12/2009	11.39	---	826.72	815.33
MW-0621-S1	4/13/2010	11.15	24.63	826.72	815.57
MW-0621-S1	9/5/2010	13.86	24.62	826.72	812.86
MW-0621-S1	4/20/2011	10.68	24.54	826.72	816.04
MW-0621-S1	9/27/2011	11.81	24.78	826.72	814.91
MW-0621-S1	3/29/2012	11.47	24.71	826.72	815.25
MW-0621-S1	10/9/2012	14.05	24.61	826.72	812.67
MW-0621-S1	3/12/2013	12.19	24.61	826.72	814.53
MW-0621-S1	9/24/2013	13.00	24.73	826.72	813.72
MW-0621-S1	4/22/2014	11.71	24.72	826.72	815.01
MW-0622-S1	12/5/2006	11.03	---	828.57	817.54
MW-0622-S1	3/8/2007	12.07	23.78	828.57	816.50
MW-0622-S1	1/16/2008	12.90	23.85	828.57	815.67
MW-0622-S1	11/11/2008	16.27	23.82	828.57	812.30
MW-0622-S1	2/17/2009	14.59	---	828.57	813.98
MW-0622-S1	6/12/2009	12.98	---	828.57	815.59
MW-0622-S1	10/9/2012	15.71	23.75	828.57	812.86
MW-0622-S1	3/12/2013	13.89	23.75	828.57	814.68
MW-0622-S1	9/24/2013	14.66	23.92	828.57	813.91
MW-0622-S1	4/22/2014	13.24	23.94	828.57	815.33
MW-0622-S2	12/5/2006	10.54	---	828.66	818.12
MW-0622-S2	3/8/2007	11.81	65.94	828.66	816.85
MW-0622-S2	1/16/2008	14.01	66.05	828.66	814.65
MW-0622-S2	11/11/2008	20.76	65.95	828.66	807.90
MW-0622-S2	2/17/2009	17.31	---	828.66	811.35
MW-0622-S2	6/12/2009	15.32	---	828.66	813.34
MW-0622-S2	4/13/2010	14.28	66.00	828.66	814.38
MW-0622-S2	9/5/2010	19.50	66.05	828.66	809.16
MW-0622-S2	4/20/2011	14.82	65.89	828.66	813.84
MW-0622-S2	9/27/2011	17.13	66.15	828.66	811.53
MW-0622-S2	3/29/2012	14.40	66.09	828.66	814.26
MW-0622-S2	10/9/2012	20.24	65.95	828.66	808.42
MW-0622-S2	3/12/2013	15.10	65.95	828.66	813.56
MW-0622-S2	9/24/2013	17.70	66.10	828.66	810.96
MW-0622-S2	4/22/2014	15.61	67.07	828.66	813.05
MW-0623-S1	3/8/2007	12.37	25.04	829.09	816.72
MW-0623-S1	1/16/2008	13.17	25.17	829.09	815.92
MW-0623-S1	11/11/2008	16.58	25.18	829.09	812.51
MW-0623-S1	2/17/2009	14.96	---	829.09	814.13
MW-0623-S1	6/12/2009	13.37	---	829.09	815.72
MW-0623-S1	4/13/2010	13.00	25.10	829.09	816.09
MW-0623-S1	9/5/2010	15.79	25.10	829.09	813.30
MW-0623-S1	4/20/2011	12.62	25.00	829.09	816.47
MW-0623-S1	9/27/2011	13.80	25.26	829.09	815.29
MW-0623-S1	3/29/2012	13.32	25.20	829.09	815.77
MW-0623-S1	10/9/2012	16.04	25.05	829.09	813.05
MW-0623-S1	3/12/2013	14.23	25.05	829.09	814.86
MW-0623-S1	9/24/2013	14.94	25.22	829.09	814.15
MW-0623-S1	4/22/2014	13.53	25.21	829.09	815.56
MW-0702-B1	1/16/2008	10.65	72.70	825.03	814.38
MW-0702-B1	11/11/2008	16.57	72.46	825.03	808.46
MW-0702-B1	2/17/2009	13.19	---	825.03	811.84
MW-0702-B1	6/12/2009	11.30	---	825.03	813.73
MW-0702-B1	4/13/2010	10.29	72.60	825.03	814.74
MW-0702-B1	9/5/2010	15.27	72.60	825.03	809.76

Table 1. Monitoring Well Groundwater Elevation Data, Former GM Delco Plant 5, Kokomo, Indiana.

Well ID	Date	Depth to Water (feet)	Total Depth (feet)	Top of Casing Elevation (feet AMSL)	Groundwater Elevation (feet AMSL)
MW-0702-B1	4/20/2011	10.72	72.47	825.03	814.31
MW-0702-B1	9/27/2011	12.89	72.73	825.03	812.14
MW-0703-B1	1/16/2008	13.30	111.32	823.609	810.31
MW-0703-B1	11/11/2008	17.01	111.32	823.609	806.60
MW-0703-B1	2/17/2009	13.66	---	823.609	809.95
MW-0703-B1	6/12/2009	13.21	---	823.609	810.40
MW-0703-B1	4/13/2010	12.45	---	823.609	811.16
MW-0703-B1	9/5/2010	16.10	---	823.609	807.51
MW-0703-B1	4/20/2011	12.73	--	823.609	810.88
MW-0703-B1	9/27/2011	14.12	111.75	823.609	809.49
MW-0704-S1	1/16/2008	9.84	29.31	825.376	815.54
MW-0704-S1	11/11/2008	13.15	29.20	825.376	812.22
MW-0704-S1	2/17/2009	11.27	---	825.376	814.11
MW-0704-S1	6/12/2009	10.04	---	825.376	815.34
MW-0704-S1	4/13/2010	9.83	29.23	825.376	815.55
MW-0704-S1	9/5/2010	12.38	29.20	825.376	813.00
MW-0704-S1	4/20/2011	9.26	29.17	825.376	816.12
MW-0704-S1	9/27/2011	10.39	29.39	825.376	814.99
MW-0704-S1	3/29/2012	10.14	29.35	825.376	815.24
MW-0704-S1	10/9/2012	12.52	29.16	825.376	812.86
MW-0704-S1	3/12/2013	10.67	29.16	825.376	814.71
MW-0704-S1	9/24/2013	11.55	29.36	825.376	813.83
MW-0704-S1	4/22/2014	10.38	29.36	825.376	815.00
MW-0705-S1	1/16/2008	11.20	25.78	826.158	814.96
MW-0705-S1	11/11/2008	13.71	25.68	826.158	812.45
MW-0705-S1	2/17/2009	11.86	---	826.158	814.30
MW-0705-S1	6/12/2009	10.79	---	826.158	815.37
MW-0705-S1	10/9/2012	13.10	25.65	826.158	813.06
MW-0705-S1	3/12/2013	11.31	25.65	826.158	814.85
MW-0705-S1	9/24/2013	12.20	25.85	826.158	813.96
MW-0705-S1	4/22/2014	11.09	25.82	826.158	815.07

Notes:

AMSL - Above mean sea level.

--- Reading not collected

Table 2. Groundwater Analytical Data Summary Screened Against Drinking Water Criteria, Former GM Delco Plant 5, Kokomo, Indiana.

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)													
				1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trichlorobenzene	Benzene	Chloroform (Trichloromethane)	cis-1,2-Dichloroethene	Cyclohexane	Methylene chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0506-S1	10/19/2005	MW-0506-1L (101905)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-S1	1/3/2006	MW-0506-1L (01/03/06)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-S1	3/27/2006	FD-1 (032706)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	1.6 J	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-S1	3/27/2006	MW-0506-S1 (032706)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-S1	6/24/2009	MW-0506-S1 (062409)	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 UJ	< 5 U	< 5 U	13.9	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	7.2	< 2 U
MW-0506-S1	10/31/2012	FD-1(103112)PDB-JG	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	4.6 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-S1	10/31/2012	FD-3(103112)LF-WK	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	646 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	72.8	453 D	< 2.0 U
MW-0506-S1	10/31/2012	MW-0506-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	5.4	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-S1	4/2/2013	MW-0506-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	13.3 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	36.3 J	< 2.0 U
MW-0506-S1	10/16/2013	MW-0506-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	3.4 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0506-S1	5/13/2014	MW-0506-S1 (051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	3.2 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0507-S1	10/19/2005	MW-0507-1L (101905)	Low-Flow	9	39	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	83	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	16	< 2.0 U
MW-0507-S1	3/27/2006	MW-0507-S1 (032706)	Low-Flow	21	190	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	310	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	6	52	< 2.0 U
MW-0507-S1	10/31/2012	MW-0507-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	4.7 J	< 2.0 U
MW-0507-S1	4/2/2013	MW-0507-S1 (040213) PDB	PDB	4.1 J	8.3	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	27.6	< 100 U	4.2 J	< 5.0 U	< 5.0 U	< 5.0 U	10.1 J	< 2.0 U
MW-0507-S1	10/16/2013	MW-0507-S1(101613)	PDB	4.5 J	6.6	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	19.9	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	1.9 J	< 2.0 U
MW-0507-S1	5/13/2014	MW-0507-S1 (051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	3.2 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0509-S1	10/19/2005	MW-0509-1L (101905)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0509-S1	3/23/2006	MW-0509-S1 (032306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0509-S1	6/24/2009	MW-0509-S1 (062409)	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0509-S1	10/31/2012	MW-0509-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0509-S1	4/2/2013	MW-0509-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	1.1 J	< 2.0 U
MW-0509-S1	10/16/2013	MW-0509-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0509-S1	5/13/2014	MW-0509-S1 (051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	10/19/2005	MW-0516-2L (101905)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	3/23/2006	MW-0516-S1 (032306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	6/25/2009	MW-0516-S1 (062509)-PDB	PDB	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0516-S1	6/25/2009	MW-0516-S1 (062509)-LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0516-S1	5/5/2010	MW-0516-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0516-S1	5/6/2010	MW-0516-S1 (050610)LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0516-S1	10/28/2010	MW-0516-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	5/13/2011	MW-0516-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	0.65 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U
MW-0516-S1	10/18/2011	MW-0516-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	10/31/2012	MW-0516-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	4/2/2013	MW-0516-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	10/16/2013	MW-0516-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	5/13/2014	MW-0516-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0517-S1	10/18/2005	MW-0517-1L (101805)	Low-Flow	< 5.0 UJ	8.4 J	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	370 J	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	< 5.0 UJ	42 J	690 J	15 J
MW-0517-S1	3/22/2006	MW-0517-S1 (032206)	Low-Flow	< 5.0 U	10	2.7 J	< 5.0 U	1.7 J	< 5.0 U	900	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	65	1800	30
MW-0517-S1	10/31/2012	MW-0517-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	37	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	18.8	103	< 2.0 U
MW-0517-S1	4/2/2013	FD-1 (040213) JG	PDB	< 5.0 U	6.1	2.8 J	< 5.0 U	1.7 J	< 5.0 U	593 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	77.4	6440 D	1.6 J
MW-0517-S1	4/2/2013	MW-0517-S1 (040213) PDB	PDB	< 5.0 U	6.1	3.0 J	< 5.0 U	1.8 J	< 5.0 U	572 EJ	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	80.4	6270 EJ	1.9 J
MW-0517-S1	10/16/2013	FD-1(101613)-WK	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	322 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	68.7	2570 D	3.1
MW-0517-S1	10/16/2013	MW-0517-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	270 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	65.1	2010 D	3
MW-0517-S1	5/13/2014	FD-1(051314)	PDB	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	505	< 1000 U	< 50.0 U	< 50.0 U	< 50.0 U	58.6	4240 D	< 20.0 U
MW-0517-S1	5/13/2014	MW-0517-S1(051314)	PDB	< 5.0 U	4.3 J	< 5.0 U	< 5.0 U	1.1 J	< 5.0 U	582 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	84.5	2830 D	2.7
MW-0602-S1	3/24/2006	MW-0602-S1 (032406)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	11/7/2006	MW-0602-S1 (110706)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	10/31/2012	MW-0602-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	10/16/2013	MW-0602-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	5/13/2014	MW-0602-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	3/24/2006	MW-0603-S1 (032406)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1																	

Table 2. Groundwater Analytical Data Summary Screened Against Drinking Water Criteria, Former GM Delco Plant 5, Kokomo, Indiana.

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)													
				1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trichlorobenzene	Benzene	Chloroform (Trichloromethane)	cis-1,2-Dichloroethene	Cyclohexane	Methylene chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0605-S1	3/22/2006	MW-0605-S1 (032206)	Low-Flow	< 5.0 U	2.6 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	19	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	920	< 2.0 U
MW-0605-S1	11/9/2006	MW-0605-S1 (110906)	Low-Flow	< 5.0 U	3.2 J	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	26	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	1400	< 2.0 U
MW-0605-S1	10/31/2012	MW-0605(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	15.1	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	1480 D	< 2.0 U
MW-0605-S1	4/2/2013	MW-0605-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	16.9 J	< 100 U	2.6 J	< 5.0 U	< 5.0 U	< 5.0 U	1180 EJ	< 2.0 U
MW-0605-S1	10/16/2013	MW-0605-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	17.7	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	1580 D	< 2.0 U
MW-0605-S1	5/13/2014	MW-0605-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	14.1	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	2630 D	< 2.0 U
MW-0606-S1	3/23/2006	MW-0606-S1 (032306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	230	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	42	970	< 2.0 U
MW-0606-S1	11/6/2006	MW-0606-S1 (110606)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	210	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	43	770	1.0 J
MW-0606-S1	10/31/2012	MW-0606-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	281 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	78.8	2380 D	1.2 J
MW-0606-S1	10/31/2012	MW-0606-S1(103112)LF	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	288 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	76.5	2410 D	< 2.0 U
MW-0606-S1	4/2/2013	MW-0606-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	394 EJ	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	105	4490 EJ	2
MW-0606-S1	10/16/2013	MW-0606-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	314 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	92.8	2650 D	1.3 J
MW-0606-S1	5/13/2014	MW-0606-S1(051314)	PDB	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	365	< 500 U	< 25.0 U	< 25.0 U	< 25.0 U	75.9	3280 D	< 10.0 U
MW-0607-S1	3/24/2006	MW-0607-S1 (032406)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	11/6/2006	MW-0607-S1 (110606)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	6/25/2009	MW-0607-S1 (062509)	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0607-S1	5/5/2010	MW-0607-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0607-S1	5/6/2010	MW-0607-S1 (050610)LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0607-S1	10/28/2010	MW-0607-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	5/13/2011	MW-0607-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	0.63 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0607-S1	10/18/2011	MW-0607-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	10/31/2012	MW-0607-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	< 2.0 U
MW-0607-S1	4/2/2013	MW-0607-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	2.9 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	36.9 J	< 2.0 U
MW-0607-S1	10/16/2013	MW-0607-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	5/13/2014	MW-0607-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	1.6 J	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0608-S1	3/23/2006	MW-0608-S1 (032306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	2.9 J	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0608-S1	11/7/2006	MW-0608-S1 (110706)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	35	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	3.3 J	1.7 J	< 2.0 U
MW-0608-S1	6/26/2009	MW-0608-S1 (062609)	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	24.5	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	4.9
MW-0608-S1	10/31/2012	MW-0608-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	< 2.0 U
MW-0608-S1	4/2/2013	MW-0608-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	30.9	< 100 U	2.5 J	< 5.0 U	< 5.0 U	< 5.0 U	5.2 J	1.7 J
MW-0608-S1	10/16/2013	MW-0608-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0608-S1	5/13/2014	MW-0608-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	148	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	11.7	3.5 J	5.4
MW-0609-S1	3/23/2006	MW-0609-S1 (032306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	61	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	9.7	260	< 2.0 U
MW-0609-S1	11/9/2006	MW-0609-S1 (110906)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	55	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	9	220	< 2.0 U
MW-0609-S1	6/26/2009	FD-1-PS (062609)	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	225	< 100 U	< 5 U	< 5 U	< 5 U	25.4	69.4	3.7
MW-0609-S1	6/26/2009	MW-0609-S1 (062609)	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	226	< 100 U	< 5 U	< 5 U	< 5 U	26.1	69.9	3.6
MW-0609-S1	10/31/2012	MW-0609-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	3.8 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0609-S1	4/2/2013	MW-0609-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	18.9	< 100 U	2.9 J	< 5.0 U	< 5.0 U	< 5.0 U	8.2 J	< 2.0 U
MW-0609-S1	10/16/2013	MW-0609-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	489 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	40.1	5.9	7.8
MW-0609-S1	5/13/2014	MW-0609-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	198 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	16.2	40.1	5.4
MW-0610-S1	11/10/2006	MW-0610-S1 (111006)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	40	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	4.2 J	< 5.0 U	1.9 J
MW-0610-S1	11/12/2008	MW-0610-S1 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	19.1	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	5/5/2010	MW-0610-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0610-S1	10/28/2010	MW-0610-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	5/13/2011	MW-0610-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	0.67 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0610-S1	10/18/2011	MW-0610-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	10/31/2012	MW-0610-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	10/16/2013	MW-0610-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	5/13/2014	MW-0610-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0612-S1	11/9/2006	MW-0612-S1 (110906)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	130	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	43	3300	2.4
MW-0612-S1	3/7/2007	FD-1-MG (030707)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	132	< 100 U	< 5.0 UJ	< 5.0 U	< 5.0 U	38.6	3760	3.1
MW-0612-S1	3/7/2007	MW-0612-S1 (030707)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	161	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	38.9	3950	< 2.0 U
MW-0612-S1	6/25/2009	MW-0612-S1 (062509)	Low-Flow	< 50 U	< 50 U	< 50 U	< 50 UJ	< 50									

Table 2. Groundwater Analytical Data Summary Screened Against Drinking Water Criteria, Former GM Delco Plant 5, Kokomo, Indiana.

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)													
				1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trichlorobenzene	Benzene	Chloroform (Trichloromethane)	cis-1,2-Dichloroethene	Cyclohexane	Methylene chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0613-S1	11/10/2006	MW-0613-S1 (111006)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	11/12/2008	MW-0613-S1 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	5/5/2010	MW-0613-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 100 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0613-S1	10/28/2010	MW-0613-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	5/13/2011	MW-0613-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 UJ	< 1.0 U	< 1.0 U	< 1.0 U	0.65 J	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0613-S1	10/18/2011	MW-0613-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	10/31/2012	MW-0613-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 UB	< 2.0 U
MW-0613-S1	4/2/2013	MW-0613-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	24.0 J	< 2.0 U
MW-0613-S1	10/16/2013	MW-0613-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	5/13/2014	MW-0613-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	3/7/2007	MW-0617-S1 (030707)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 UJ	48.1	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	11/12/2008	MW-0617-S1 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	18.3	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	12/29/2008	MW-0617-S1 (122908)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	10/31/2012	MW-0617-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	10/16/2013	MW-0617-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	5/13/2014	MW-0617-S1 (051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0618-S1	11/13/2006	MW-0618-S1 (111306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0618-S1	11/12/2008	MW-0618-S1 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0618-S1	10/31/2012	MW-0618-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	< 2.0 U
MW-0618-S1	4/2/2013	MW-0618-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	5.2 J	< 2.0 U
MW-0618-S1	10/16/2013	MW-0618-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0618-S1	5/13/2014	MW-0618-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0619-S1	11/20/2006	MW-0619-S1 (112006)	Direct Fill	< 5.0 U	< 5.0 U	1.8 J	< 5.0 U	< 5.0 U	< 5.0 U	390	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	26	1900	1.8 J
MW-0619-S1	11/14/2008	FD-2-TK (111408)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	347	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	31.8	3140	5
MW-0619-S1	11/14/2008	MW-0619-S1 (111408)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	345	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	33.8	3200	4.9
MW-0619-S1	10/31/2012	MW-0619-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	143	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	6.7	963 D	< 2.0 U
MW-0619-S1	4/2/2013	MW-0619-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	18.4 J	< 100 U	4.0 J	< 5.0 U	< 5.0 U	< 5.0 U	4.7 J	< 2.0 U
MW-0619-S1	10/16/2013	MW-0619-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	165	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	8.4	929 D	< 2.0 U
MW-0619-S1	5/13/2014	MW-0619-S1 (051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	19.7	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	2.3 J	< 2.0 U
MW-0620-S1	11/21/2006	MW-0620-S1 (112106)	Direct Fill	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	110	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	11	5900	< 2.0 U
MW-0620-S1	11/14/2008	MW-0620-S1 (111408)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	75	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	10.4	5940	< 2.0 U
MW-0620-S1	4/19/2012	MW-0620-S1 (041912)-PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	7.1	86.9	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	4830 D	< 2.0 U
MW-0620-S1	10/31/2012	MW-0620-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	4.1 J	213	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	10	5660 D	< 2.0 U
MW-0620-S1	4/2/2013	MW-0620-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	12.3 J	17.8 J	< 100 U	3.1 J	< 5.0 U	< 5.0 U	< 5.0 U	12400 EJ	< 2.0 U
MW-0620-S1	10/16/2013	MW-0620-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	1820 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	5	1780 D	< 2.0 U
MW-0620-S1	5/13/2014	MW-0620-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	7.7	167 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	5770 D	< 2.0 U
MW-0621-S1	11/20/2006	FD-3-MG (112006)	Direct Fill	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	82	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	20	3500 J	< 2.0 U
MW-0621-S1	11/20/2006	MW-0621-S1 (112006)	Direct Fill	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	80	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	19	6400	< 2.0 U
MW-0621-S1	11/14/2008	MW-0621-S1 (111408)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	119	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	19.4	3110	< 2.0 U
MW-0621-S1	10/31/2012	MW-0621-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	72.9	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	25.6	1790 D	< 2.0 U
MW-0621-S1	4/2/2013	MW-0621-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	70.0 J	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	24.8 J	1640 EJ	< 2.0 U
MW-0621-S1	10/16/2013	MW-0621-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	109	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	30.6	3220 D	< 2.0 U
MW-0621-S1	5/13/2014	MW-0621-S1 (051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	71.2	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	28.5	1070 D	< 2.0 U
MW-0622-S1	11/21/2006	MW-0622-S1 (112106)	Direct Fill	< 5.0 U	4.0 J	3.9 J	< 5.0 U	< 5.0 U	< 5.0 U	520	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	18	6000	2.1
MW-0622-S1	11/14/2008	MW-0622-S1 (111408)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	248	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	7.9	2510	< 2.0 U
MW-0622-S1	10/31/2012	MW-0622-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	11.5	< 5.0 U	< 5.0 U	< 5.0 U	2100 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	40.1	20800 D	3.3
MW-0622-S1	4/2/2013	FD-2 (040213) JG	PDB	< 5.0 U	< 5.0 U	8.9	< 5.0 U	< 5.0 U	< 5.0 U	2330 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	84.8	26800 D	3.2
MW-0622-S1	4/2/2013	MW-0622-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	13.7 J	< 5.0 U	< 5.0 U	< 5.0 U	2670 EJ	< 100 U	6.5 J	< 5.0 U	< 5.0 U	83.3 J	20100 EJ	4.6 J
MW-0622-S1	10/16/2013	FD-2(101613)-WK	PDB	< 5.0 U	2.8 J	5.9	< 5.0 U	< 5.0 U	< 5.0 U	1800 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	30.5 J	15700 D	< 2.0 U
MW-0622-S1	10/16/2013	MW-0622-S1(101613)	PDB	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	< 100 U	1700	< 2000 U	< 100 U	< 100 U	< 100 U	79.9 J	18800 D	< 40.0 U
MW-0622-S1	5/13/2014	FD-2(051314)	PDB	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	2660	< 1000 U	< 50.0 U	< 50.0 U	< 50.0 U	28.8 J	22700 D	< 20.0 U
MW-0622-S1	5/13/2014	MW-0622-S1(051314)	PDB	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	< 50.0 U	2650	< 1000 U	< 50.0 U	< 50.0 U	< 50.0 U	2		

Table 2. Groundwater Analytical Data Summary Screened Against Drinking Water Criteria, Former GM Delco Plant 5, Kokomo, Indiana.

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)													
				1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trichlorobenzene	Benzene	Chloroform (Trichloromethane)	cis-1,2-Dichloroethene	Cyclohexane	Methylene chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0704-S1	11/13/2008	MW-0704-S1 (111308)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	408	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	71.8	1370	< 2.0 U
MW-0704-S1	6/25/2009	MW-0704-S1 (062509)	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	571	< 100 U	< 5 U	< 5 U	< 5 U	103	1200	5.6
MW-0704-S1	10/31/2012	MW-0704-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	635 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	81.3	1640 D	2.9
MW-0704-S1	4/2/2013	MW-0704-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	714 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	96.1	2000 D	2.6
MW-0704-S1	10/16/2013	MW-0704-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	628 D	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	99.5	1830 D	4.5
MW-0704-S1	5/13/2014	MW-0704-S1(051314)	PDB	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	< 25.0 U	606	< 500 U	< 25.0 U	< 25.0 U	< 25.0 U	77.4	2080 D	< 10.0 U
MW-0705-S1	11/13/2008	MW-0705-S1 (111308)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	37.2	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	9.4	187	< 2.0 U
MW-0705-S1	6/26/2009	MW-0705-S1 (062609)-PDB	PDB	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	34	< 100 U	< 5 U	< 5 U	< 5 U	9	86.3	4.8
MW-0705-S1	6/26/2009	MW-0705-S1 (062609)-LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	50	< 100 U	< 5 U	< 5 U	< 5 U	14.9	178	5.1
MW-0705-S1	10/31/2012	MW-0705-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	39.8	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	9.4	146	4.2
MW-0705-S1	4/2/2013	MW-0705-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	46.8	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	13.7	177	4.1
MW-0705-S1	10/16/2013	MW-0705-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	50.3	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	11.9	185	3.9
MW-0705-S1	5/13/2014	MW-0705-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	42.1	< 100 U	< 5.0 U	< 5.0 U	< 5.0 U	10.7	131	4.2
Maximum Contaminant Level				200	24*	7	70	5	80	70	13000*	5	5	1000	100	5	2

Note:
The data are screened against US EPA Drinking Water Screening Criteria (Maximum Contaminant Levels (MCLs)).
*- No MCL is established for 1,1 DCA or Cyclohexane, as such the IDEM RCG Tap Water Criteria were used for screening purposes
Concentrations highlighted gray exceed the screening criteria
Results are reported in ug/L
U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit
D - Concentration is based on a diluted sample analysis
J - The compound was positively identified; however, the associated numerical value is an estimated concentration only
UJ - The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation
UB - Compound considered non-detect at the listed value due to associated blank contamination
E - The compound was quantitated above the calibration range.

Table 3. Groundwater Analytical Data Summary Screened Against Groundwater Vapor Intrusion Criteria, Former GM Delco Plant 5, Kokomo, Indiana.

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)					
				1,1-Dichloroethene	cis-1,2-Dichloroethene	Tetrachloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0606-S1	3/23/2006	MW-0606-S1 (032306)	Low-Flow	< 5.0 U	230	< 5.0 UJ	42	970	< 2.0 U
MW-0606-S1	11/6/2006	MW-0606-S1 (110606)	Low-Flow	< 5.0 U	210	< 5.0 U	43	770	1.0 J
MW-0606-S1	10/31/2012	MW-0606-S1(103112)PDB	PDB	< 5.0 U	281 D	< 5.0 U	78.8	2380 D	1.2 J
MW-0606-S1	10/31/2012	MW-0606-S1(103112)LF	Low-Flow	< 5.0 U	288 D	< 5.0 U	76.5	2410 D	< 2.0 U
MW-0606-S1	4/2/2013	MW-0606-S1 (040213) PDB	PDB	< 5.0 U	394 EJ	< 5.0 U	105	4490 EJ	2
MW-0606-S1	10/16/2013	MW-0606-S1(101613)	PDB	< 5.0 U	314 D	< 5.0 U	92.8	2650 D	1.3 J
MW-0606-S1	5/13/2014	MW-0606-S1(051314)	PDB	< 25.0 U	365	< 25.0 U	75.9	3280 D	< 10.0 U
MW-0609-S1	3/23/2006	MW-0609-S1 (032306)	Low-Flow	< 5.0 U	61	< 5.0 UJ	9.7	260	< 2.0 U
MW-0609-S1	11/9/2006	MW-0609-S1 (110906)	Low-Flow	< 5.0 U	55	< 5.0 U	9	220	< 2.0 U
MW-0609-S1	6/26/2009	FD-1-PS (062609)	Low-Flow	< 5 U	225	< 5 U	25.4	69.4	3.7
MW-0609-S1	6/26/2009	MW-0609-S1 (062609)	Low-Flow	< 5 U	226	< 5 U	26.1	69.9	3.6
MW-0609-S1	10/31/2012	MW-0609-S1(103112)PDB	PDB	< 5.0 U	3.8 J	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0609-S1	4/2/2013	MW-0609-S1 (040213) PDB	PDB	< 5.0 U	18.9	< 5.0 U	< 5.0 U	8.2 J	< 2.0 U
MW-0609-S1	10/16/2013	MW-0609-S1(101613)	PDB	< 5.0 U	489 D	< 5.0 U	40.1	5.9	7.8
MW-0609-S1	5/13/2014	MW-0609-S1(051314)	PDB	< 5.0 U	198 D	< 5.0 U	16.2	40.1	5.4
MW-0612-S1	11/9/2006	MW-0612-S1 (110906)	Low-Flow	< 5.0 U	130	< 5.0 U	43	3300	2.4
MW-0612-S1	3/7/2007	FD-1-MG (030707)	Low-Flow	< 5.0 U	132	< 5.0 U	38.6	3760	3.1
MW-0612-S1	3/7/2007	MW-0612-S1 (030707)	Low-Flow	< 5.0 U	161	< 5.0 U	38.9	3950	< 2.0 U
MW-0612-S1	6/25/2009	MW-0612-S1 (062509)	Low-Flow	< 50 U	207	< 50 U	< 50 U	4370	< 20 U
MW-0612-S1	4/19/2012	MW-0612-S1 (041912)-PDB	Low-Flow	< 5.0 U	223	< 5.0 U	44.9	4750 D	15.1
MW-0612-S1	10/31/2012	FD-2(103112)PDB-WK	PDB	< 5.0 U	850 D	< 5.0 U	141	675 D	< 2.0 U
MW-0612-S1	10/31/2012	MW-0612-S1(103112)PDB	PDB	< 5.0 U	275	< 5.0 U	48.5	5440 D	24.5
MW-0612-S1	10/31/2012	MW-0612-S1(103112)LF	Low-Flow	< 5.0 U	185	< 5.0 U	45.8	2490 D	11.8
MW-0612-S1	4/2/2013	MW-0612-S1 (040213) PDB	PDB	< 5.0 U	191	< 5.0 U	41	3720 EJ	9.3
MW-0612-S1	10/16/2013	MW-0612-S1(101613)	PDB	< 5.0 U	242	< 5.0 U	49.1	3220 D	12.4
MW-0612-S1	5/13/2014	MW-0612-S1(051314)	PDB	< 5.0 U	248 D	< 5.0 U	46.2	3400 D	13.2
MW-0704-S1	11/13/2008	MW-0704-S1 (111308)	Low-Flow	< 5.0 U	408	< 5.0 U	71.8	1370	< 2.0 U
MW-0704-S1	6/25/2009	MW-0704-S1 (062509)	Low-Flow	< 5 U	571	< 5 U	103	1200	5.6
MW-0704-S1	10/31/2012	MW-0704-S1(103112)PDB	PDB	< 5.0 U	635 D	< 5.0 U	81.3	1640 D	2.9
MW-0704-S1	4/2/2013	MW-0704-S1 (040213) PDB	PDB	< 5.0 U	714 D	< 5.0 U	96.1	2000 D	2.6
MW-0704-S1	10/16/2013	MW-0704-S1(101613)	PDB	< 5.0 U	628 D	< 5.0 U	99.5	1830 D	4.5
MW-0704-S1	5/13/2014	MW-0704-S1(051314)	PDB	< 25.0 U	606	< 25.0 U	77.4	2080 D	< 10.0 U

Table 3. Groundwater Analytical Data Summary Screened Against Groundwater Vapor Intrusion Criteria, Former GM Delco Plant 5, Kokomo, Indiana.

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)					
				1,1-Dichloroethene	cis-1,2-Dichloroethene	Tetrachloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0705-S1	11/13/2008	MW-0705-S1 (111308)	Low-Flow	< 5.0 U	37.2	< 5.0 U	9.4	187	< 2.0 U
MW-0705-S1	6/26/2009	MW-0705-S1 (062609)-PDB	PDB	< 5 U	34	< 5 U	9	86.3	4.8
MW-0705-S1	06/26/09	MW-0705-S1 (062609)-LF	Low-Flow	< 5 U	50	< 5 U	14.9	178	5.1
MW-0705-S1	10/31/12	MW-0705-S1(103112)PDB	PDB	< 5.0 U	39.8	< 5.0 U	9.4	146	4.2
MW-0705-S1	04/02/13	MW-0705-S1 (040213) PDB	PDB	< 5.0 U	46.8	< 5.0 U	13.7	177	4.1
MW-0705-S1	10/16/13	MW-0705-S1(101613)	PDB	< 5.0 U	50.3	< 5.0 U	11.9	185	3.9
MW-0705-S1	05/13/14	MW-0705-S1(051314)	PDB	< 5.0 U	42.1	< 5.0 U	10.7	131	4.2
MW-0516-S1	10/19/05	MW-0516-2L (101905)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	03/23/06	MW-0516-S1 (032306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	06/25/09	MW-0516-S1 (062509)-PDB	PDB	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0516-S1	06/25/09	MW-0516-S1 (062509)-LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0516-S1	05/05/10	MW-0516-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0516-S1	05/06/10	MW-0516-S1 (050610)LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0516-S1	10/28/10	MW-0516-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	05/13/11	MW-0516-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0516-S1	10/18/11	MW-0516-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	10/31/12	MW-0516-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	04/02/13	MW-0516-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	10/16/13	MW-0516-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0516-S1	05/13/14	MW-0516-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	03/24/06	MW-0602-S1 (032406)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	11/07/06	MW-0602-S1 (110706)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	10/31/12	MW-0602-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	10/16/13	MW-0602-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0602-S1	05/13/14	MW-0602-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	03/24/06	MW-0603-S1 (032406)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	11/08/06	MW-0603-S1 (110806)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	06/25/09	MW-0603-S1 (062509)	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0603-S1	05/05/10	MW-0603-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0603-S1	10/28/10	MW-0603-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	05/13/11	MW-0603-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0603-S1	10/18/11	MW-0603-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	10/31/12	MW-0603-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	10/16/13	MW-0603-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0603-S1	05/13/14	MW-0603-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U

Table 3. Groundwater Analytical Data Summary Screened Against Groundwater Vapor Intrusion Criteria, Former GM Delco Plant 5, Kokomo, Indiana.

Location	Date	Sample ID	Sampling Method	Concentration (µg/L)					
				1,1-Dichloroethene	cis-1,2-Dichloroethene	Tetrachloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0607-S1	03/24/06	MW-0607-S1 (032406)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 UJ	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	11/06/06	MW-0607-S1 (110606)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	06/25/09	MW-0607-S1 (062509)	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0607-S1	05/05/10	MW-0607-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0607-S1	05/06/10	MW-0607-S1 (050610)LF	Low-Flow	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0607-S1	10/28/10	MW-0607-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	05/13/11	MW-0607-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0607-S1	10/18/11	MW-0607-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	10/31/12	MW-0607-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	< 2.0 U
MW-0607-S1	04/02/13	MW-0607-S1 (040213) PDB	PDB	< 5.0 U	2.9 J	< 5.0 U	< 5.0 U	36.9 J	< 2.0 U
MW-0607-S1	10/16/13	MW-0607-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0607-S1	05/13/14	MW-0607-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0608-S1	03/23/06	MW-0608-S1 (032306)	Low-Flow	< 5.0 U	2.9 J	< 5.0 UJ	< 5.0 U	2.0 J	< 2.0 U
MW-0608-S1	11/07/06	MW-0608-S1 (110706)	Low-Flow	< 5.0 U	35	< 5.0 U	3.3 J	1.7 J	< 2.0 U
MW-0608-S1	06/26/09	MW-0608-S1 (062609)	Low-Flow	< 5 U	24.5	< 5 U	< 5 U	< 5 U	4.9
MW-0608-S1	10/31/12	MW-0608-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	< 2.0 U
MW-0608-S1	04/02/13	MW-0608-S1 (040213) PDB	PDB	< 5.0 U	30.9	< 5.0 U	< 5.0 U	5.2 J	1.7 J
MW-0608-S1	10/16/13	MW-0608-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0608-S1	05/13/14	MW-0608-S1(051314)	PDB	< 5.0 U	148	< 5.0 U	11.7	3.5 J	5.4
MW-0610-S1	11/10/06	MW-0610-S1 (111006)	Low-Flow	< 5.0 U	40	< 5.0 U	4.2 J	< 5.0 U	1.9 J
MW-0610-S1	11/12/08	MW-0610-S1 (111208)	Low-Flow	< 5.0 U	19.1	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	05/05/10	MW-0610-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0610-S1	10/28/10	MW-0610-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	05/13/11	MW-0610-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0610-S1	10/18/11	MW-0610-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	10/31/12	MW-0610-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	10/16/13	MW-0610-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0610-S1	05/13/14	MW-0610-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	11/10/06	MW-0613-S1 (111006)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	11/12/08	MW-0613-S1 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	05/05/10	MW-0613-S1 (050510)	PDB	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 2 U
MW-0613-S1	10/28/10	MW-0613-S1(102810)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	05/13/11	MW-0613-S1(051311)	PDB	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
MW-0613-S1	10/18/11	MW-0613-S1(101811)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	10/31/12	MW-0613-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.2 UB	< 2.0 U
MW-0613-S1	04/02/13	MW-0613-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	24.0 J	< 2.0 U
MW-0613-S1	10/16/13	MW-0613-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0613-S1	05/13/14	MW-0613-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U

Table 3. Groundwater Analytical Data Summary Screened Against Groundwater Vapor Intrusion Criteria, Former GM Delco Plant 5, Kokomo, Indiana.

Location	Date	Sample ID	Sampling Method	Concentration (ug/L)					
				1,1-Dichloroethene	cis-1,2-Dichloroethene	Tetrachloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl chloride
MW-0617-S1	03/07/07	MW-0617-S1 (030707)	Low-Flow	< 5.0 U	< 5.0 U	48.1	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	11/12/08	MW-0617-S1 (111208)	Low-Flow	< 5.0 U	< 5.0 U	18.3	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	12/29/08	MW-0617-S1 (122908)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	10/31/12	MW-0617-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	10/16/13	MW-0617-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0617-S1	05/13/14	MW-0617-S1 (051314)	PDB	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0
MW-0618-S1	11/13/06	MW-0618-S1 (111306)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0618-S1	11/12/08	MW-0618-S1 (111208)	Low-Flow	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0618-S1	10/31/12	MW-0618-S1(103112)PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 UB	< 2.0 U
MW-0618-S1	04/02/13	MW-0618-S1 (040213) PDB	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	5.2 J	< 2.0 U
MW-0618-S1	10/16/13	MW-0618-S1(101613)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
MW-0618-S1	05/13/14	MW-0618-S1(051314)	PDB	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 2.0 U
Commercial/Industrial				77,160	57,760	61,980	32,800	2,150	1,810
Residential				55,120	41,260	44,270	23,430	1,540	540

Note:

Results are reported in ug/L

The data are screened against site specific Groundwater Vapor Intrusion Screening Criteria for residential and commercial/industrial values

Results exceeding the residential standards are boldfaced

Results exceeding the comercial/industrial standards are bold and shaded gray

LF - Low Flow Sampling Technique

PDB - Passive Diffusion Bag Sampling Technique

U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit

D - Concentration is based on a diluted sample analysis

J - The compound was positively identified; however, the associated numerical value is an estimated concentration only

UJ - The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation

UB - Compound considered non-detect at the listed value due to associated blank contamination

Table 4. Summary of Soil Gas Port Water Purging Events, Former GM Delco Plant 5

Sample Location	Screen Interval (ft)	Date Purged	Volume of Water Purged	Purge Method	Notes
SGP-0702	5 - 6	3/29/2013	10 oz	Geopump	Alternating segments of water and air in tubing.
		4/1/2013	8 oz	Geopump	Alternating segments of water and air in tubing.
		4/5/2013	< 5 ml	60-ml Syringe	Purged 1 well volume. Minimal amount of water in tubing. Collected TO-17 sample.
		6/21/2013	Dry	60-ml Syringe	Purged 600 ml of air.
		6/28/2013	Dry	60-ml Syringe	Purged 390 ml of air. Collected TO-17 sample.
		8/5/2013	15 ml	60-ml Syringe	Purged 985 ml of air. Alternating segments of water and air in tubing. Line stopped producing water after several minutes.
		8/8/2013	33 ml	60-ml Syringe	Small alternating segments of water and air in tubing. 25 ml of water removed during purging. 8 ml water removed during sampling. No water was drawn through the sample tube. Purged 80 ml of air. Collected TO-17 sample.
		3/7/2014	Dry	60-ml Syringe	Purged 240 ml of air. Collected TO-15 sample. *Dup-2(030714)
SGP-0703	5 - 6	5/20/2014	--	60-ml Syringe	Purged 90 ml of air, water then present in syringe. No sample collected.
		3/29/2013	14 oz	Geopump	Alternating segments of water and air in tubing.
		4/1/2013	2 gal	Geopump	Alternating segments of water and air in tubing.
		4/5/2013	1.5 gal	Geopump	Alternating segments of water and air in tubing.
		4/22/2013	1.4 gal	Geopump	Alternating segments of water and air in tubing.
		4/29/2013	3.5 gal	Geopump	Alternating segments of water and air in tubing.
		5/1/2013	36 ml	60-ml Syringe	Small alternating segments of water and air in tubing. Purged 3 well volumes. Collected TO-17 sample.
		6/21/2013	1.6 gal	Geopump	Alternating segments of water and air in tubing.
		6/24/2013	0.8 gal	Geopump	Alternating segments of water and air in tubing.
		6/28/2013	193 ml	60-ml Syringe	177 ml of water removed during purging. Another 16 removed during sampling. Purged 390 ml of air. Collected TO-17 sample.
		8/5/2013	1.5 gal	Geopump	Steady stream of water.
		8/8/2013	85 ml	60-ml Syringe	Small alternating segments of water and air in tubing. 56 ml of water removed during purging. 29 ml water removed during sampling. No water was drawn through the sample tube. Purged 80 ml of air. Collected TO-17 sample.
		3/7/2014	--	--	Water present in soil gas port tubing. No sample collected.
		5/20/2014	--	60-ml Syringe	Purged 90 ml of air, water then present in syringe. No sample collected.
SGP-0704-S	6 - 7	3/13/2013	5 gal	Geopump	Steady stream of water.
		3/29/2013	1.1 gal	Geopump	Alternating segments of water and air in tubing.
		4/1/2013	4 gal	Geopump	Steady stream of water.
		4/5/2013	1.1 gal	Geopump	Alternating segments of water and air in tubing.
		4/22/2013	9.5 gal	Geopump	Alternating segments of water and air in tubing.
		4/29/2013	8.5 gal	Geopump	Alternating segments of water and air in tubing.
		5/1/2013	31 ml	60-ml Syringe	Small alternating segments of water and air in tubing. Purged 3 well volumes. Collected TO-17 sample.
		6/21/2013	64 ml	60-ml Syringe	Small alternating segments of water and air in tubing. Purged 1316 ml of air.
		6/24/2013	18 ml	60-ml Syringe	Small alternating segments of water and air in tubing. Purged 582 ml of air.
		6/27/2013	Dry	60-ml Syringe	Purged 390 ml of air. Collected TO-17 sample.
		8/5/2013	Dry	60-ml Syringe	Purged 1000 ml of air.
		8/9/2013	Dry	60-ml Syringe	Purged 120 ml of air. Collected TO-15 sample.
		3/7/2014	--	60-ml Syringe	Attempted to collect sample over 2.5 hours. No recovery - believe water to be frozen in port.
		5/20/2014	--	60-ml Syringe	Purged 70 ml of air, water then present in syringe. No sample collected.
SGP-0704-M	11 - 12	3/29/2013	Dry	Geopump	Geopump connected to port for several minutes.
		4/1/2013	Dry	Geopump	Geopump connected to port for several minutes.
		4/5/2013	Dry	60-ml Syringe	Strong resistance on syringe plunger during purging. Summa canister was connected to port but unable to draw an adequate amount of air for a sample.
		4/22/2013	5 ml	60-ml Syringe	Alternating segments of water and air in tubing. No water in tubing at completion of purging.
		4/29/2013	Dry	60-ml Syringe	Strong resistance on syringe plunger during purging.
		5/1/2013	Dry	60-ml Syringe	Purged 2 well volumes. Strong resistance on syringe plunger during purging. Collected TO-17 sample.
		6/21/2013	Dry	60-ml Syringe	Purged 600 ml of air. Strong resistance on syringe plunger during purging.
		6/28/2013	Dry	60-ml Syringe	Purged 570 ml of air. Strong resistance on syringe plunger during purging. Collected TO-17 sample.
		8/5/2013	Dry	60-ml Syringe	Purged 1000 ml of air. Strong resistance on syringe plunger during purging.
		8/9/2013	8 ml	60-ml Syringe	Small alternating segments of water and air in tubing. 8 ml of water removed during purging. No water removed during sampling. Purged 150 ml of air. Collected TO-17 sample.
		3/6/2014	Dry	60-ml Syringe	Purged 420 ml of air. Collected TO-15 sample.
SGP-0704-D	16 - 17	5/20/2014	--	60-ml Syringe	Purged 110 ml of air, water then present in syringe. No sample collected.
		3/29/2013	Dry	Geopump	Geopump connected to port for several minutes.
		4/1/2013	2 oz	Geopump	Alternating segments of water and air in tubing.
		4/5/2013	40 ml	60-ml Syringe	Alternating segments of water and air in tubing. Strong resistance on syringe plunger during purging.
		4/22/2013	Dry	Geopump	Geopump connected to port for several minutes.
		4/29/2013	35 ml	60-ml Syringe	Alternating segments of water and air in tubing. Strong resistance on syringe plunger during purging.
		5/1/2013	Dry	60-ml Syringe	Purged 2 well volumes. Strong resistance on syringe plunger during purging. Collected TO-17 sample.
		6/21/2013	Dry	60-ml Syringe	Purged 600 ml of air. Strong resistance on syringe plunger during purging.
		6/28/2013	36 ml	60-ml Syringe	35 ml of was removed during purging. Another 1 ml removed during sampling. Purged 720 ml of air. Strong resistance on syringe plunger during purging.
		8/5/2013	Dry	60-ml Syringe	Purged 1000 ml of air. Strong resistance on syringe plunger during purging.
SGP-0705	5 - 6	3/6/2014	Dry	60-ml Syringe	Purged 570 ml of air. Collected TO-15 sample.
		5/20/2014	--	60-ml Syringe	Purged 180 ml of air, water then present in syringe. No sample collected.
		3/29/2013	2.5 oz	Geopump	Alternating segments of water and air in tubing.
		4/1/2013	Dry	Geopump	Geopump connected to port for several minutes.
		4/5/2013	50 ml	60-ml Syringe	Alternating segments of water and air in tubing.
		4/29/2013	165 ml	60-ml Syringe	Alternating segments of water and air in tubing. No water in tubing at completion of purging.
		5/1/2013	11 ml	60-ml Syringe	Small alternating segments of water and air in tubing. Purged 3 well volumes. Collected TO-17 sample.
		6/21/2013	Dry	60-ml Syringe	Purged 600 ml of air.
		6/27/2013	Dry	60-ml Syringe	Purged 390 ml of air. Collected TO-15 sample.
		8/5/2013	Dry	60-ml Syringe	Purged 1000 ml of air.
		8/9/2013	Dry	60-ml Syringe	Purged 120 ml of air. Collected TO-15 sample.
		3/6/2014	Dry	60-ml Syringe	Purged 240 ml of air. Collected TO-15 sample.
		5/20/2014	Dry	60-ml Syringe	Purged 240 ml of air. Collected TO-15 sample.

Table 4. Summary of Soil Gas Port Water Purging Events, Former GM Delco Plant 5

Sample Location	Screen Interval (ft)	Date Purged	Volume of Water Purged	Purge Method	Notes
SGP-0708-S	5 - 6	3/13/2013	< 5 ml	Geopump	Geopump connected to port for several minutes.
		3/29/2013	2 oz	Geopump	Geopump connected to port for several minutes.
		4/1/2013	1 oz	Geopump	Geopump connected to port for several minutes.
		4/5/2013	< 5 ml	60-ml Syringe	Purged 3 well volumes. Minimal amount of water in tubing. Collected TO-17 sample.
		6/21/2013	13 ml	60-ml Syringe	Small alternating segments of water and air in tubing. Purged 587 ml of air.
		6/24/2013	Dry	60-ml Syringe	Purged 600 ml of air.
		6/27/2013	Dry	60-ml Syringe	Purged 390 ml of air. Collected TO-15 sample.
		8/5/2013	Dry	60-ml Syringe	Purged 1000 ml of air.
		8/9/2013	Dry	60-ml Syringe	Purged 120 ml of air. Collected TO-15 sample.
		3/7/2014	--	60-ml Syringe	Purged 80ml of air, water then present in syringe. No sample collected.
SGP-0708-M	11.5 - 12.5	5/20/2014	--	60-ml Syringe	Purged 90 ml of air, water then present in syringe. No sample collected.
		3/13/2013	Dry	Geopump	Geopump connected to port for several minutes.
		3/29/2013	3.75 gal	Geopump	Steady stream of water.
		4/1/2013	3.8 gal	Geopump	Steady stream of water.
		4/5/2013	7.5 gal	Geopump	Steady stream of water.
		4/22/2013	12.25 gal	Geopump	Steady stream of water.
		4/29/2013	15.5 gal	Geopump	Steady stream of water.
		6/21/2013	9.7 gal	Geopump	Steady stream of water.
		6/24/2013	9.1 gal	Geopump	Steady stream of water.
		8/5/2013	9 gal	Geopump	Steady stream of water.
SGP-0708-D	17.5 - 18.5	3/6/2014	Dry	60-ml Syringe	Purged 435 ml of air. Collected TO-15 sample.
		5/20/2014	--	60-ml Syringe	Purged 130 ml of air, water then present in syringe. No sample collected.
		3/13/2013	Dry	Geopump	Geopump connected to port for several minutes.
		3/29/2013	2 oz	Geopump	Alternating segments of water and air in tubing
		4/1/2013	3 oz	Geopump	Alternating segments of water and air in tubing
		4/5/2013	90 ml	60-ml Syringe	Alternating segments of water and air in tubing. Strong resistance on syringe plunger during purging.
		4/22/2013	25 ml	Geopump	Alternating segments of water and air in tubing.
		4/29/2013	250 ml	60-ml Syringe	Alternating segments of water and air in tubing. No water in tubing at completion of purging.
		5/1/2013	4 ml	60-ml Syringe	Small alternating segments of water and air in tubing. Purged 2 well volumes. Collected TO-17 sample.
		6/21/2013	28 ml	60-ml Syringe	Small alternating segments of water and air in tubing. Purged 572 ml of air.
SGP-0709	5 - 6	6/24/2013	6 ml	60-ml Syringe	Small alternating segments of water and air in tubing. Purged 594 ml of air.
		6/28/2013	84 ml	60-ml Syringe	81 ml of water removed during purging. Another 3 ml of water removed during sampling. Purged 750 ml of air. Collected TO-17 sample.
		8/5/2013	180 ml	60-ml Syringe / Geopump	Started purging with syringe. Switched to the geopump due to solid water in the line. Stopped purging water after a few minutes.
		8/8/2013	45 ml	60-ml Syringe	Small alternating segments of water and air in tubing. 40 ml of water removed during purging. 5 ml water removed during sampling. No water was drawn through the sample tube. Purged 220 ml of air. Collected TO-17 sample.
		3/6/2014	Dry	60-ml Syringe	Purged 615 ml of air. Collected TO-15 sample.
		5/20/2014	--	60-ml Syringe	Purged 180 ml of air, water then present in syringe. No sample collected.
		3/29/2013	Dry	Geopump	Geopump connected to port for several minutes.
		4/1/2013	Dry	Geopump	Geopump connected to port for several minutes.
		4/5/2013	Dry	60-ml Syringe	Purged 1 well volume. Collected TO-15 sample.
		6/21/2013	Dry	60-ml Syringe	Purged 600 ml of air.
SGP-0710	5 - 6	6/27/2013	Dry	60-ml Syringe	Purged 390 ml of air. Collected TO-15 sample.
		8/5/2013	Dry	60-ml Syringe	Purged 1000 ml of air.
		8/9/2013	Dry	60-ml Syringe	Purged 120 ml of air. Collected TO-15 sample.
		3/6/2014	Dry	60-ml Syringe	Purged 240 ml of air. Collected TO-15 sample.
		5/20/2014	Dry	60-ml Syringe	Purged 240 ml of air. Collected TO-15 sample.
		3/29/2013	Dry	Geopump	Geopump connected to port for several minutes.
		4/1/2013	Dry	Geopump	Geopump connected to port for several minutes.
		4/5/2013	Dry	60-ml Syringe	Purged 1 well volume. Collected TO-15 sample.
		6/21/2013	Dry	60-ml Syringe	Purged 600 ml of air.
		6/27/2013	Dry	60-ml Syringe	Purged 390 ml of air. Collected TO-15 sample.
SGP-0711	5 - 6	8/5/2013	Dry	60-ml Syringe	Purged 1000 ml of air.
		8/9/2013	Dry	60-ml Syringe	Purged 120 ml of air. Collected TO-15 sample.
		3/6/2014	Dry	60-ml Syringe	Purged 240 ml of air. Collected TO-15 sample.
		5/20/2014	Dry	60-ml Syringe	Purged 240 ml of air. Collected TO-15 sample.
		3/29/2013	Dry	Geopump	Geopump connected to port for several minutes.
		4/1/2013	Dry	Geopump	Geopump connected to port for several minutes.
		4/5/2013	Dry	60-ml Syringe	Purged 1 well volume. Collected TO-15 sample.
		6/21/2013	Dry	60-ml Syringe	Purged 600 ml of air.
		6/27/2013	Dry	60-ml Syringe	Purged 390 ml of air. Collected TO-15 sample.
		8/5/2013	Dry	60-ml Syringe	Purged 1000 ml of air.
SGP-1301-S	5 - 6	8/9/2013	Dry	60-ml Syringe	Purged 120 ml of air. Collected TO-15 sample.
		3/6/2014	Dry	60-ml Syringe	Purged 240 ml of air. Collected TO-15 sample.
		5/20/2014	Dry	60-ml Syringe	Purged 240 ml of air. Collected TO-15 sample.
		3/12/2013	3.5 gal	Geopump	Steady stream of water.
		3/29/2013	5 gal	Geopump	Steady stream of water.
		4/1/2013	0.8 gal	Geopump	Alternating segments of water and air in tubing.
		4/5/2013	Dry	60-ml Syringe	Purged 2 well volumes. Collected TO-15 sample.
		6/21/2013	Dry	60-ml Syringe	Purged 600 ml of air.
		6/27/2013	Dry	60-ml Syringe	Purged 390 ml of air. Collected TO-15 sample.
		8/5/2013	Dry	60-ml Syringe	Purged 1000 ml of air.

Table 4. Summary of Soil Gas Port Water Purging Events, Former GM Delco Plant 5

Sample Location	Screen Interval (ft)	Date Purged	Volume of Water Purged	Purge Method	Notes
SGP-1301-M	9 - 10	3/12/2013	Dry	Geopump	Geopump connected to port for several minutes.
		3/29/2013	Dry	Geopump	Geopump connected to port for several minutes.
		4/1/2013	2 oz	Geopump	Geopump connected to port for several minutes.
		4/5/2013	< 5 ml	60-ml Syringe	Purged 1 well volume. Minimal amount of water in tubing. Collected TO-17 sample.
		6/21/2013	90 ml	60-ml Syringe	Alternating segments of water and air in tubing. Purged 510 ml of air. Strong resistance on syringe plunger during purging.
		6/24/2013	Dry	60-ml Syringe	Purged 600 ml of air.
		6/27/2013	49 ml	60-ml Syringe	Purged 510 ml of air. Strong resistance on syringe plunger during purging. Collected TO-17 sample.
		8/5/2013	100 ml	Geopump	Alternating segments of water and air in tubing.
		8/8/2013	10 ml	60-ml Syringe	Small alternating segments of water and air in tubing. 10 ml of water removed during purging. No water removed during sampling. Purged 150 ml of air. Collected TO-17 sample.
		3/7/2014	Dry	60-ml Syringe	Purged 360 ml of air. Collected TO-15 sample.
SGP-1301-D	18 - 19	5/20/2014	--	60-ml Syringe	Purged 360 ml of air, then water present in syringe. No sample collected.
		3/12/2013	Dry	Geopump	Geopump connected to port for several minutes.
		3/29/2013	3 oz	Geopump	Alternating segments of water and air in tubing.
		4/1/2013	2 oz	Geopump	Alternating segments of water and air in tubing.
		4/5/2013	100 ml	60-ml Syringe	Alternating segments of water and air in tubing. Strong resistance on syringe plunger during purging.
		4/29/2013	15 ml	Geopump	Alternating segments of water and air in tubing. Strong resistance on syringe plunger during purging.
		5/1/2013	Dry	60-ml Syringe	Purged 2 well volumes. Strong resistance on syringe plunger during purging. Collected TO-17 sample.
		6/21/2013	83 ml	60-ml Syringe	Alternating segments of water and air in tubing. Purged 517 ml of air. Strong resistance on syringe plunger during purging.
		6/24/2013	Dry	60-ml Syringe	Purged 600 ml of air.
		6/27/2013	47 ml	60-ml Syringe	Purged 720 ml of air. Strong resistance on syringe plunger during purging and sampling. Collected TO-17 sample.
		8/5/2013	140 ml	60-ml Syringe / Geopump	Started purging with syringe. Switched to the geopump due to solid water in the line. Stopped purging water after a few minutes.
		8/8/2013	90 ml	60-ml Syringe	Small alternating segments of water and air in tubing. 66 ml of water removed during purging. 24 ml water removed during sampling. No water was drawn through the sample tube. Purged 220 ml of air. Collected TO-17 sample.
		3/7/2014	--	60-ml Syringe	Attempted to collect sample over 1 hour. No recovery - believe water to be frozen in port.
SGP-1302	5 - 6	5/20/2014	--	60-ml Syringe	Purged 120 ml of air, then water present in syringe. No sample collected.
		4/1/2013	4 gal	Geopump	Steady stream of water.
		4/5/2013	8 gal	Geopump	Steady stream of water.
		4/22/2013	11 gal	Geopump	Steady stream of water.
		4/29/2013	16.5 gal	Geopump	Steady stream of water.
		6/21/2013	2.5 gal	Geopump	Steady stream of water.
		6/24/2013	2.6 gal	Geopump	Steady stream of water.
		6/28/2013	355 ml	60-ml Syringe	313 ml of water removed during purging. Another 42 ml of water removed during sampling. Purged 390 ml of air. Collected TO-17 sample.
		8/5/2013	1 gal	Geopump	Steady stream of water.
		3/7/2014	--	60-ml Syringe	Purged 40 ml of air, then water present in syringe. No sample collected.
SGP-1303	5 - 6	5/20/2014	--	60-ml Syringe	Purged 40 ml of air, then water present in syringe. No sample collected.
		4/1/2013	Dry	Geopump	Geopump connected to port for several minutes.
		4/5/2013	Dry	60-ml Syringe	Purged 1 well volume. Collected TO-15 sample.
		6/21/2013	Dry	60-ml Syringe	Purged 600 ml of air.
		6/28/2013	Dry	60-ml Syringe	Purged 420 ml of air. Strong resistance on syringe plunger during purging and sampling. Collected TO-17 sample.
		8/5/2013	Dry	60-ml Syringe	Purged 1000 ml of air.
		8/9/2013	Dry	60-ml Syringe	Purged 120 ml of air. Collected TO-15 sample.
		3/7/2014	--	--	Could not find soil gas port under ice.
SGP-1401-S		5/20/2014	Dry	60-ml Syringe	Purged 240 ml of air. Collected TO-15 sample.
SGP-1401-M		3/6/2014	Dry	60-ml Syringe	Purged 480 ml of air. Collected TO-15 sample.
SGP-1401-D		5/20/2014	Dry	60-ml Syringe	Purged 420 ml of air. Collected TO-15 sample.
SGP-1402-S		3/6/2014	Dry	60-ml Syringe	Purged 720 ml of air. Collected TO-15 sample.
SGP-1402-M		5/20/2014	Dry	60-ml Syringe	Purged 600 ml of air. Collected TO-15 sample.
SGP-1402-D		3/6/2014	Dry	60-ml Syringe	Purged 220 ml of air. Collected TO-15 sample.
SGP-1403-S		5/20/2014	--	60-ml Syringe	Purged 70 ml of air, water then present in syringe. No sample collected.
SGP-1403-M		3/6/2014	--	60-ml Syringe	Purged 180 ml of air, water then present in syringe. No sample collected.
SGP-1403-D		5/20/2014	--	60-ml Syringe	Purged 120 ml of air, water then present in syringe. No sample collected.
SGP-1404-S		3/6/2014	--	60-ml Syringe	Purged 125 ml of air, water then present in syringe. No sample collected.
SGP-1404-M		5/20/2014	--	60-ml Syringe	Purged 170 ml of air, water then present in syringe. No sample collected.
SGP-1404-D		3/6/2014	Dry	60-ml Syringe	Purged 240 ml of air. Collected TO-15 sample.
SGP-1405-S		5/20/2014	Dry	60-ml Syringe	Purged 270 ml of air. Collected TO-15 sample.
SGP-1405-M		3/6/2014	Dry	60-ml Syringe	Purged 375 ml of air. Collected TO-15 sample.
SGP-1405-D		5/20/2014	--	60-ml Syringe	Purged 110 ml of air, water then present in syringe. No sample collected.
SGP-1406-S		3/6/2014	Dry	60-ml Syringe	Purged 510 ml of air. Collected TO-15 sample.
SGP-1406-M		5/20/2014	Dry	60-ml Syringe	Purged 630 ml of air. Collected TO-15 sample.
SGP-1406-D		3/6/2014	Dry	60-ml Syringe	Purged 240 ml of air. Collected TO-15 sample.
SGP-1407-S		5/20/2014	Dry	60-ml Syringe	Purged 240 ml of air. Collected TO-15 sample.
SGP-1407-M		3/6/2014	Dry	60-ml Syringe	Purged 360 ml of air. Collected TO-15 sample.
SGP-1407-D		5/20/2014	Dry	60-ml Syringe	Purged 420 ml of air. Collected TO-15 sample.
SGP-1408-S		3/6/2014	Dry	60-ml Syringe	Purged 480 ml of air. Collected TO-15 sample.
SGP-1408-M		5/20/2014	--	60-ml Syringe	Purged 170 ml of air, water then present in syringe. No sample collected.
SGP-1408-D		3/6/2014	Dry	60-ml Syringe	Purged 225 ml of air. Collected TO-15 sample.
SGP-1409-S		5/20/2014	Dry	60-ml Syringe	Purged 240 ml of air. Collected TO-15 sample.
SGP-1409-M		3/6/2014	Dry	60-ml Syringe	Purged 345 ml of air. Collected TO-15 sample.
SGP-1409-D		5/20/2014	Dry	60-ml Syringe	Purged 420 ml of air. Collected TO-15 sample.
SGP-1410-S		3/6/2014	Dry	60-ml Syringe	Purged 525 ml of air. Collected TO-15 sample.
SGP-1410-M		5/20/2014	--	60-ml Syringe	Purged 210 ml of air, water then present in syringe. No sample collected.

Table 4. Summary of Soil Gas Port Water Purging Events, Former GM Delco Plant 5

Sample Location	Screen Interval (ft)	Date Purged	Volume of Water Purged	Purge Method	Notes
SGP-1406-S		3/6/2014	Dry	60-ml Syringe	Purged 210 ml of air. Collected TO-15 sample.
		5/20/2014	Dry	60-ml Syringe	Purged 240 ml of air. Collected TO-15 sample.
SGP-1406-M		3/6/2014	Dry	60-ml Syringe	Purged 370 ml of air. Collected TO-15 sample.
		5/20/2014	Dry	60-ml Syringe	Purged 420 ml of air. Collected TO-15 sample.
SGP-1406-D		3/6/2014	Dry	60-ml Syringe	Purged 600 ml of air. Collected TO-15 sample.
		5/20/2014	Dry	60-ml Syringe	Purged 600 ml of air. Collected TO-15 sample.

Notes: gal: gallon
ml: milliliters

Table 5. Summary of Soil Gas Sampling Analytical Results, Former GM Delco Plant 5, Kokomo, Indiana.

Sample Location	Screen Interval (ft)	Date Collected	Concentration (µg/m3) ^a					
			1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	PCE	TCE	VC
SGP-0701	5.5-6	8/13/2007	< 4.3	< 4.3	< 4.3	NA	< 5.8	< 2.8
		9/17/2007	Sampling Port Destroyed					
SGP-0702	5-6	8/13/2007	< 4.4	< 4.4	< 4.4	NA	< 6.0	< 2.9
		9/17/2007	< 4.3	< 4.3	< 4.3	NA	< 5.8	< 2.8
		4/20/2012	< 3.0	< 3.0	< 3.0	< 5.2	< 4.1	< 1.9
		8/3/2012	< 3.3	< 3.3	< 3.3	< 5.7	< 4.5	< 2.1
		11/9/2012	< 4.7	< 4.7	< 4.7	< 8.1	< 6.4	< 3.0
		4/5/2013	380 J ^b	66 J ^b	67 J ^b	83 J ^b	120 J ^b	R
		6/28/2013	< 13 ^b	< 13 ^b	< 13 ^b	< 23 ^b	< 18 ^b	< 8.7 J ^b
		8/8/2013	R	R	R	< 110 J ^b	< 90 J ^b	R
SGP-0703	5-6	3/7/2014	< 4.6 [<< 4.4]	< 4.6 [<< 4.4]	< 4.6 [<< 4.4]	< 7.9 [<< 7.5]	< 6.3 [<< 6.0]	< 3.0 [<< 2.8]
		8/13/2007	< 4.5	< 4.5	< 4.5	NA	< 6.2	< 2.9
		4/20/2012	< 3.1	< 3.1	< 3.1	38	< 4.2	< 2.0
		8/3/2012	< 3.2	< 3.2	< 3.2	110	< 4.3	< 2.0
		5/1/2013	220 J ^b	47 J ^b	R	40 J ^b	32 ^b	R
		6/28/2013	240 J ^b	120 J ^b	41 J ^b	26 J ^b	26 J ^b	140 J ^b
SGP-0704-S	6-7	8/8/2013	R	R	R	< 110 J ^b	< 90 J ^b	R
		8/13/2007	< 4.6 [<< 4.4]	21 J [<< 4.4]	< 4.6 [<< 4.4]	NA	89 J [42 J]	< 3.0 [<< 2.9]
		9/17/2007	< 4.4 [<< 4.2]	< 4.4 [<< 4.2]	< 4.4 [<< 4.2]	NA	34 [37]	< 2.9 [<< 2.7]
		4/20/2012	< 3.0 [<< 3.0]	< 3.0 [<< 3.0]	< 3.0 [<< 3.0]	210 [210]	18 [18]	< 1.9 [<< 1.9]
		8/3/2012	< 3.1 [<< 3.1]	< 3.1 [<< 3.1]	< 3.1 [<< 3.1]	360 [370]	35 [36]	< 2.0 [<< 2.0]
		11/9/2012	< 5.0	< 5.0	< 5.0	120	10	< 3.2
		5/1/2013	R [22 J]	50 J ^b [130 J] ^b	R [21 J]	47 ^b [62] ^b	24 ^b [20] ^b	R [R]
		6/27/2013	< 13 ^b [<< 13] ^b	< 13 ^b [<< 13] ^b	< 13 ^b [<< 13] ^b	200 ^b [200] ^b	26 ^b [38] ^b	< 8.7 ^b [<< 8.7] ^b
SGP-0704-M	11-12	8/9/2013	< 5.0	< 5.0	< 5.0	240	25	< 3.2
		5/1/2013	< 13 ^b	< 13 ^b	< 13 ^b	5.4 J ^b	5.6 J ^b	< 8.7 ^b
		6/28/2013	< 13 ^b	< 13 ^b	< 13 ^b	15 J ^b	< 18 ^b	< 8.7 ^b
		8/9/2013	< 67 ^b	< 67 ^b	< 67 ^b	< 110 ^b	< 90 ^b	< 43 ^b
SGP-0704-D	16-17	3/6/2014	< 4.6	< 4.6	< 4.6	2.4 J	< 6.3	< 3.0
		5/1/2013	< 13 ^b	430 ^b	40 ^b	< 23 ^b	880 ^b	< 8.7 ^b
		6/28/2013	38 J ^b	1300 J ^b	210 J ^b	R	170 J ^b	71 J ^b
SGP-0705	5-6	3/6/2014	< 4.3	< 4.3	< 4.3	< 7.4	< 5.9	< 2.8
		8/13/2007	< 4.4	< 4.4	< 4.4	NA	< 5.9	< 2.8
		9/17/2007	< 4.1	< 4.1	< 4.1	NA	< 5.6	< 2.7
		4/20/2012	< 3.1	< 3.1	< 3.1	< 5.4	< 4.2	< 2.0
		8/3/2012	< 3.1	< 3.1	< 3.1	< 5.2	< 4.2	< 2.0
		11/1/2012	< 4.4	< 4.4	< 4.4	< 7.5	< 5.9	< 2.8
		5/1/2013	1800 J ^b	900 J ^b	260 J ^b	46 J ^b	70 J ^b	R
		6/27/2013	< 4.9	< 4.9	< 4.9	< 8.4	< 6.7	< 3.2
		8/9/2013	< 4.8	< 4.8	< 4.8	< 8.2	< 6.5	< 3.1
SGP-0706	5-6	3/6/2014	< 4.2	< 4.2	< 4.2	< 7.2	< 5.7	< 2.7
		5/20/2014	< 4.7	< 4.7	< 4.7	< 8.1	2.6 J	< 3.0
SGP-0707	5-6	9/17/2007	< 4.4	< 4.4	< 4.4	< 8.1	< 6.8	< 3.2
		4/20/2012	< 4.3	< 4.3	< 4.3	NA	< 5.9	< 2.8
SGP-0708-S	5-6	4/5/2013	Sampling Port Replaced by SGP-1302					
		9/17/2007	< 4.7	< 4.7	< 4.7	NA	43	< 3.0
		4/20/2012	< 3.1	< 3.1	< 3.1	1200	88	< 2.0
		8/3/2012	< 5.0	< 5.0	< 5.0	2400	260	< 3.2
		11/9/2012	< 4.4	< 4.4	< 4.4	1000	120	< 2.8
		4/5/2013	29 J ^b	R	R	280 J ^b	40 J ^b	R
		6/27/2013	< 13 ^b	5.6 J ^b	< 13 ^b	1400 ^b	140 ^b	< 8.7 ^b
		8/9/2013	< 4.7	8.3	< 4.7	1500	160	< 3.0
SGP-0708-M	11.5-12.5	3/6/2014	< 4.2	< 4.2	< 4.2	< 7.2	< 5.7	< 2.7
SGP-0708-D	17.5-18.5	5/1/2013	55 J ^b	4200 EJ ^b	1100 J ^b	4.4 J ^b	1500 ^b	R
		6/28/2013	130 J ^b	6900 EJ ^b	2100 EJ ^b	6.5 J ^b	830 J ^b	220 J ^b
		8/8/2013	< 67 ^b [<< 67] ^b	4,700 J ^b [1,300 J] ^b	1,400 J ^b [300 J] ^b	< 110 ^b [<< 110] ^b	10,000 J ^b [2600 J] ^b	120 ^b [<< 43] ^b
		3/6/2014	< 4.6	58	3.2 J	< 7.9	16	< 3.0
SGP-0709	5-6	9/17/2007	< 4.4	< 4.4	< 4.4	NA	< 6.0	< 2.9
		4/20/2012	< 3.1	< 3.1	< 3.1	< 5.4	< 4.2	< 2.0
		8/3/2012	< 3.1	< 3.1	3.2	< 5.2	< 4.2	< 2.0
		11/1/2012	< 4.4	< 4.4	< 4.4	< 7.6	< 6.0	< 2.9
		4/5/2013	< 4.7	< 4.7	< 4.7	< 8.1	< 6.4	< 3.0
		6/27/2013	< 4.4	< 4.4	< 4.4	< 7.5	6.7	< 2.8
		8/9/2013	< 5.0	< 5.0	< 5.0	< 8.6	< 6.8	< 3.2
		3/6/2014	< 4.6	< 4.6	< 4.6	< 7.8	7.9	< 2.9
SGP-0710	5-6	5/20/2014	< 4.6	< 4.6	< 4.6	< 7.8	< 6.2	< 3.0
		9/17/2007	< 4.4	< 4.4	< 4.4	NA	< 5.9	< 2.8
		4/20/2012	< 3.2	< 3.2	< 3.2	14	< 4.3	< 2.0
		8/3/2012	< 3.3	< 3.3	< 3.3	49	< 4.5	< 2.1
		11/1/2012	< 4.6 [<< 4.6]	< 4.6 [<< 4.6]	< 4.6 [<< 4.6]	18 [20]	< 6.2 [<< 6.3]	< 3.0 [<< 3.0]
		4/5/2013	< 4.5 [<< 4.2]	< 4.5 [<< 4.2]	< 4.5 [<< 4.2]	< 7.7 [<< 7.2]	< 6.1 [<< 5.7]	< 2.9 [<< 2.7]
		6/27/2013	< 4.6 [<<4.7]	< 4.6 [<<4.7]	< 4.6 [<<4.7]	31 [31]	< 6.3 [<<6.3]	< 3.0 [<< 3.0]
		8/9/2013	< 4.8 [<< 4.8]	< 4.8 [<< 4.8]	< 4.8 [<< 4.8]	23 [23]	< 6.5 [<< 6.5]	< 3.1 [<<3.1]
SGP-0711	5-6	3/7/2014	< 4.3 [<< 4.4]	< 4.3 [<< 4.4]	< 4.3 [<< 4.4]	< 7.3 [<< 7.5]	< 5.8 [<<5.9]	< 2.8 [<< 2.8]
		5/20/2014	< 4.4 [<< 4.6]	< 4.4 [<< 4.6]	< 4.4 [<< 4.6]	< 7.6 [2.3 J]	< 6.0 [<< 6.2]	< 2.9 [<< 3.0]
		9/17/2007	< 4.3	< 4.3	< 4.3	NA	< 5.8	< 2.8
		4/20/2012	< 3.1	< 3.1	< 3.1	< 5.4	< 4.2	< 2.0
		8/3/2012	< 3.4	< 3.4	< 3.4	< 5.8	< 4.6	< 2.2
		11/1/2012	< 4.8	< 4.8	< 4.8	< 8.2	< 6.5	< 3.1
		4/5/2013	< 4.6	< 4.6	< 4.6	< 7.8	< 6.2	< 3.0
		6/27/2013	< 5.0	< 5.0	< 5.0	< 8.5	< 6.7	< 3.2
SGP-1301-S	5-6	8/9/2013	< 5.0	< 5.0	< 5.0	< 8.5	< 6.8	< 3.2
		3/6/2014	< 4.3	< 4.3	< 4.3	< 7.4	< 5.8	< 2.8
		5/20/2014	< 4.7	< 4.7	< 4.7	1.9 J	2.4 J	< 3.0
		4/5/2013	< 4.6	< 4.6	< 4.6	56	800	< 2.9
		6/27/2013	< 10	< 10	< 10	190	4200	< 6.4
SGP-1301-M	9-10	8/9/2013	< 11	< 11	< 11	250	4300	< 7.1
		3/6/2014	< 4.4	< 4.4	< 4.4	53	1100	< 2.8
		5/20/2014	< 6.6	< 6.6	< 6.6	130	2600	< 4.2
SGP-1301-D	18-19	4/5/2013	51 J ^b	99 J ^b	54 J ^b	R	490 J ^b	R
		8/8/2013	< 67 ^b	< 67 ^b	< 67 ^b	< 110 ^b	270 ^b	< 43 ^b
		3/7/2014	< 4.6	< 4.6	< 4.6	< 7.9	3.3 J	< 3.0
SGP-1302	5-6	5/1/2013	< 13 ^b	< 13 ^b	< 13 ^b	< 23 ^b	< 18 ^b	< 8.7 ^b
		6/27/2013	R	30 J ^b	20 J ^b	< 23 J ^b	< 18 J ^b	R
		8/8/2013	< 67 ^b	< 67 ^b	< 67 ^b	< 110 ^b	< 90 ^b	< 43 ^b

Table 5. Summary of Soil Gas Sampling Analytical Results, Former GM Delco Plant 5, Kokomo, Indiana.

Sample Location	Screen Interval (ft)	Date Collected	Concentration (µg/m3) ^a					
			1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	PCE	TCE	VC
SGP-1303	5-6	4/5/2013	< 4.5	< 4.5	< 4.5	22	< 6.1	< 2.9
		6/28/2013	< 13 J	< 13 J	< 13 J	< 23 J	< 18 J	< 8.7 J
		8/9/2013	< 8.6	< 8.6	< 8.6	18	< 12	< 5.6
		5/20/2014	< 5.2	< 5.2	< 5.2	5.5 J	< 7.0	< 3.3
SGP-1401-S	5.5-6	3/6/2014	< 4.6	< 4.6	< 4.6	2800	< 6.3	< 3.0
		5/20/2014	< 29	< 29	< 29	14000	32 J	< 19
SGP-1401-M	13.5-14	3/6/2014	< 4.5	< 4.5	< 4.5	6.4 J	< 6.0	< 2.9
		5/20/2014	< 5.7	8	< 5.7	380	9.7	2.8 J
SGP-1401-D	21.5-22	3/6/2014	< 6.5	4.5 J	< 6.5	3000	26	6.6
		5/20/2014	< 5.9	< 5.9	< 5.9	6.4 J	< 8.0	3.2 J
SGP-1402-S	4.75-5.25	3/6/2014	< 6.3	< 6.3	< 6.3	2900	5.1 J	< 4.1
SGP-1403-S	5.5-6	3/6/2014	< 6.0	< 6.0	< 6.0	2800	< 8.2	< 3.9
		5/20/2014	< 18	< 18	< 18	7800	13 J	< 12
SGP-1403-M	10-10.5	3/6/2014	< 30	< 30	< 30	13000	< 41	< 20
SGP-1403-D	14.5-15	3/6/2014	< 22	< 22	< 22	11000	< 29	< 14
		5/20/2014	< 12	< 12	< 12	1700	12 J	< 7.8
SGP-1404-S	5.5-6	3/6/2014	< 9.2	< 9.2	< 9.2	4400	< 12	< 5.9
		5/20/2014	< 5.7	< 5.7	< 5.7	1100	11	< 3.7
SGP-1404-M	9.5-10	3/6/2014	< 4.6	< 4.6	< 4.6	2300	3.0 J	< 3.0
		5/20/2014	< 5.2	< 5.2	< 5.2	1700	< 7.0	< 3.3
SGP-1404-D	13.5-14	3/6/2014	< 18	< 18	< 18	9600	< 25	< 12
SGP-1405-S	5-5.5	3/6/2014	< 4.4	< 4.4	< 4.4	750	< 5.9	< 2.8
		5/20/2014	< 15	< 15	< 15	8400	10 J	< 9.9
SGP-1405-M	9-9.5	3/6/2014	< 4.6	< 4.6	< 4.6	2300	< 6.3	< 3.0
		5/20/2014	< 6.2	< 6.2	< 6.2	690	< 8.4	< 4.0
SGP-1405-D	15-15.5	3/6/2014	< 18	< 18	< 18	9100	< 24	< 12
SGP-1406-S	4.5-5	3/6/2014	< 4.5	< 4.5	< 4.5	1200	22	< 2.9
		5/20/2014	< 5.2	< 5.2	< 5.2	200	4.8 J	< 3.4
SGP-1406-M	11.75-12.25	3/6/2014	< 4.6	< 4.6	< 4.6	840	3.2 J	< 2.9
		5/20/2014	< 10	< 10	< 10	820	8.8 J	< 6.8
SGP-1406-D	17.5-18	3/6/2014	< 7.4	< 7.4	< 7.4	3400	15	< 4.8
		5/20/2014	< 13	< 13	< 13	360	7.7 J	< 8.6
IDEM RCG Residential Soil Gas Screening Level ^c			7,000	NL	2,100	1,400	70	53

Notes:

a Analytical Method: Modified EPA Method TO-15 GC/MS; Sampling Method: 1-Liter Smma Canister unless otherwise notated.

b Analytical Method: Modified EPA Method TO-17 GC/MS; Sampling Method: Tenax Tube with 300 ml air sample volume.

c Vapor intrusion (VI) screening criteria for soil gas were calculated following an approach described in the IDEM 2013 Remediation Closure Guide (RCG). The residential soil gas VI screening criteria were calculated by dividing the residential indoor air screening level from the USEPA (2013d) RSL Table by the USEPA-recommended default soil gas attenuation factor of 0.03.

[] Duplicate

Acronyms, Abbreviations:

ug/m3: micrograms per cubic meter

ft: feet

D: Concentration is based on a diluted sample analysis

DCE: Dichloroethene

E: The compound was quantitated above the calibration range.

IDEM: Indiana Department of Environmental Management

J: The compound was positively identified; however, the associated numerical value is an estimated concentration only

NA: Not Analyzed

NS: Not available to sample due to no air flow

NW: Not available to sample due to excessive water in the port

NL: Not Listed

PCE: Tetrachloroethene

R: The sample results are rejected as unusable. The compound may or may not be present in the sample.

RCG: Remediation Closure Guide

SE: Sampling error cased damage to Tenax Tube, sample could not be analyzed

TCE: Trichloroethene

<: The compound was analyzed for but not detected. The associated value is the compound quantitation limit

J: The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation

B: Compound considered non-detect at the listed value due to associated blank contamination

VC: Vinyl Chloride

BOLD Exceeds IDEM Residential Soil Gas Screening Level

ARCADIS

Table 6. Summary of Indoor Air and Crawspace Sampling Analytical Results, Former GM Delco Plant 5, Kokomo, Indiana.

House ID	Sample Location	Date Collected	Concentration (µg/m ³) ^a					
			1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	PCE	TCE	VC
01	IA-01	3/14/2014	< 0.068 U	0.46	< 0.68 UB	1.6	1.9	0.048
	CS-01	3/14/2014	< 0.071 U	0.2	< 0.71 UB	0.83	0.82	< 0.046 UB
02	IA-02	3/14/2014	< 0.068 U	< 0.14 UB	< 0.68 U	0.22 J	< 0.18 UB	< 0.044 UB
	CS-02	3/14/2014	< 0.070 U	< 0.14 UB	< 0.70 UB	0.56	< 0.19 UB	< 0.045 UB
03	IA-03	3/14/2014	0.033 J	4.6	0.16 J	23	5.9	0.3
	CS-03	3/14/2014	0.064 J [0.060 J]	7.9 [7.6]	0.29 J [0.26 J]	39 [39]	10 [10]	0.45 [0.43]
04	IA-04	3/14/2014	< 0.065 U	0.49	< 0.65 UB	1.6	1.8	< 0.042 UB
		5/16/2014	< 0.065 U	0.91	< 0.65 UB	1.8	2.9	0.047
	CS-04	3/14/2014	< 0.057 U	0.6	< 0.57 UB	2	2.3	< 0.037 UB
		5/16/2014	< 0.063 U	0.36	< 0.63 UB	0.88	1.4	0.026 J
05	IA-05	3/14/2014	< 0.074 U	< 0.15 UB	< 0.74 U	0.39	0.34	< 0.048 UB
	CS-05	3/14/2014	< 0.064 U	< 0.13 UB	< 0.64 U	0.34	0.23	< 0.041 UB
NA	AMB-1(031414)	3/14/2014	< 0.058	< 0.12	< 0.58	0.11 J	0.040 J	< 0.037
NA	AMB-1(051614)	5/16/2014	< 0.057	0.028 J	0.022 J	0.049 J	0.2	< 0.036
Indoor Air & Crawl Space Screening Level ^b			210	NL	63	42	2.1	1.6

Notes:

a Analytical Method: Modified EPA Method TO-15 GC/MS; Sampling Method: 1-Liter Summa Canister unless otherwise notated.

Screening levels are the United States Environmental Protection Agency (USEPA) "Regional Screening Levels" for residential indoor air, or crawl space soil gas. Screening levels are protective for an individual exposed to the chemical for 24 hours per day for 30 years.

[] Duplicate

Acronyms, Abbreviations:

ug/m³: micrograms per cubic meter

DCE: Dichloroethene

J: The compound was positively identified; however, the associated numerical value is an estimated concentration only

NL: Not Listed

PCE: Tetrachloroethene

RCG: 2012 Remediation Closure Guide

TCE: Trichloroethene

U: The compound was analyzed for but not detected. The associated value is the compound quantitation limit

UB: Compound considered non-detect at the listed value due to associated blank contamination

VC: Vinyl Chloride

BOLD Exceeds USEPA Residential Indoor Air and Crawl Space Screening Levels

Table 7. Summary of Sub-Slab Sampling Analytical Results, Former GM Delco Plant 5, Kokomo, Indiana.

House ID	Sample Location	Date Collected	Concentration (µg/m3) ^a					
			1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	PCE	TCE	VC
03	SS-03	3/14/2014	< 4.7 U [<u>< 5.5 U</u>]	2.4 J [<u>2.7 J</u>]	< 4.7 U [<u>< 5.5 U</u>]	250 [<u>330</u>]	79 [<u>110</u>]	< 3.0 U [<u>< 3.6 U</u>]
04	SS-04	3/14/2014	< 4.8 U	< 4.8 U	< 4.8 U	15	3.5 J	< 3.1 U
		5/16/2014	< 4.8 U	2.6 J	< 4.8 U	4.0 J	5.7 J	< 3.1 U
Sub-Slab Screening Level ^b			7000	NL	2100	1400	70	53

Notes:

a Analytical Method: Modified EPA Method TO-15 GC/MS; Sampling Method: 1-Liter Summa Canister unless otherwise notated.

Vapor intrusion (VI) screening criteria for Sub-slab screening criteria are based on the default attenuation factor of 0.03 using the United States Environmental Protection Agency (USEPA) "Regional Screening Levels" b for residential sub-slab soil gas. Screening levels are protective for an individual exposed to the chemical for 24 hours per day for 30 years.

[] Duplicate

Acronyms, Abbreviations:

ug/m³: micrograms per cubic meter

DCE: Dichloroethene

J: The compound was positively identified; however, the associated numerical value is an estimated concentration only

NL: Not Listed

PCE: Tetrachloroethene

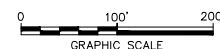
RCG: 2012 Remediation Closure Guide

TCE: Trichloroethene

U: The compound was analyzed for but not detected. The associated value is the compound quantitation limit

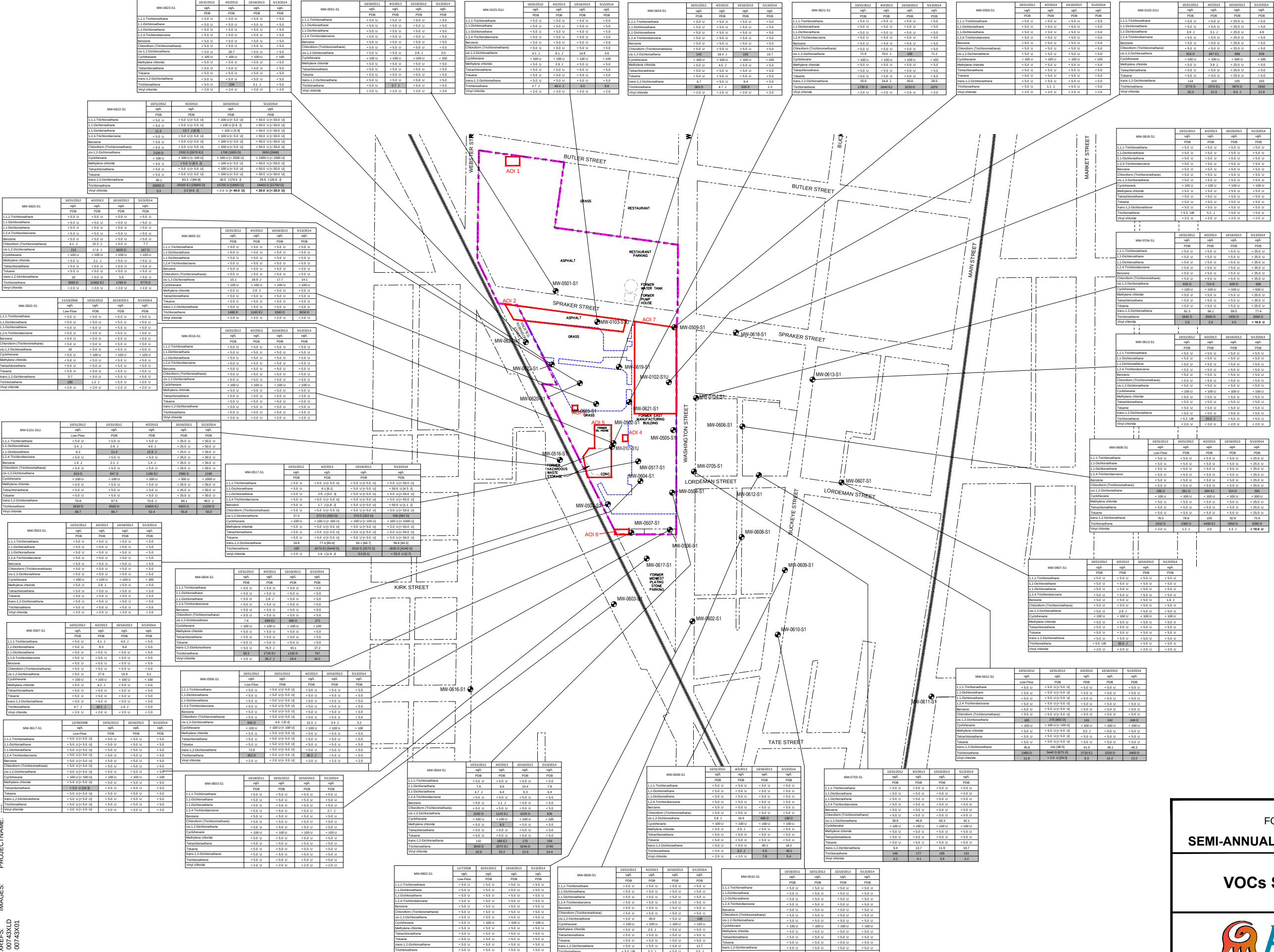
VC: Vinyl Chloride

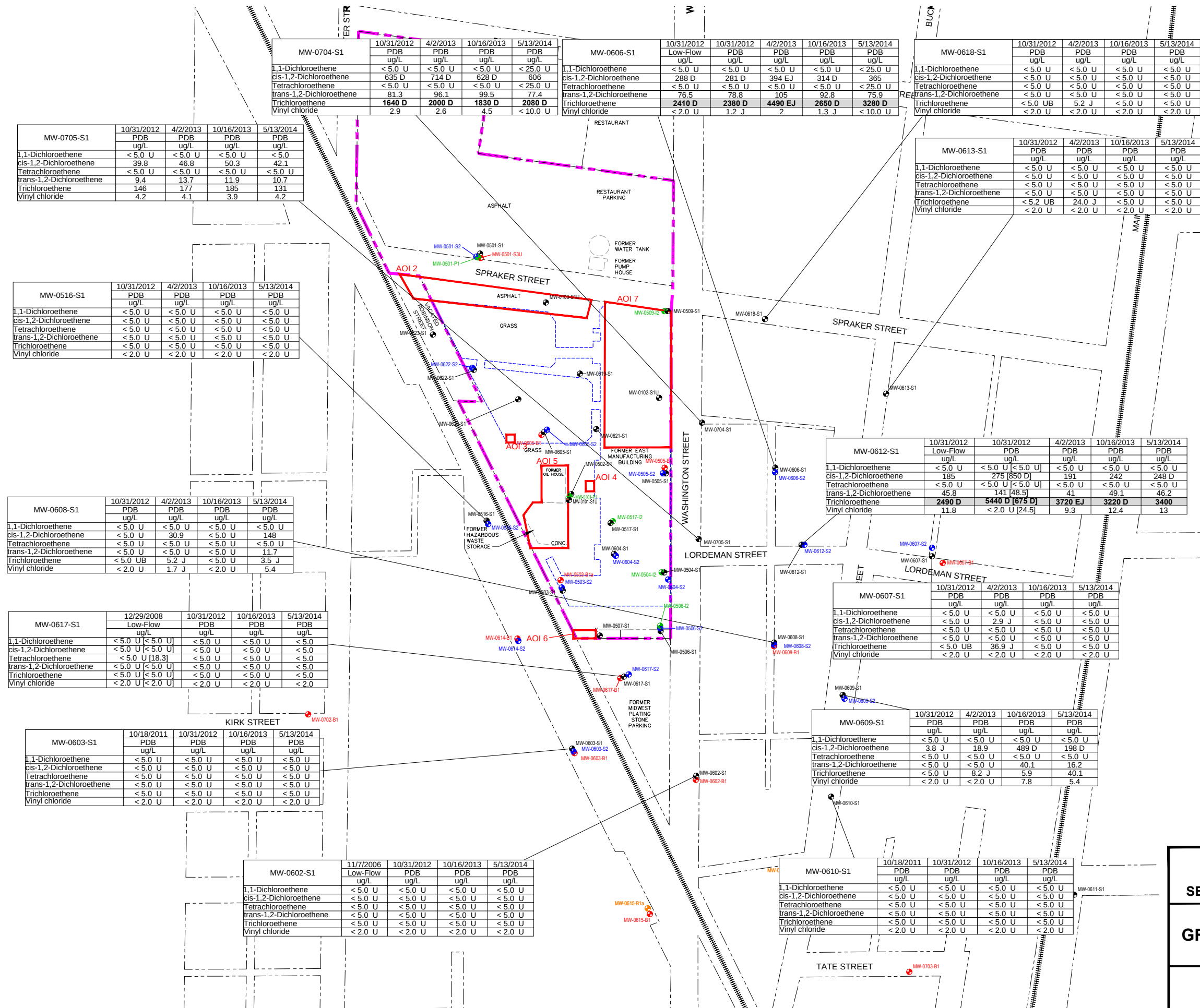
BOLD Exceeds IDEM Residential Soil-Slab Screening Level

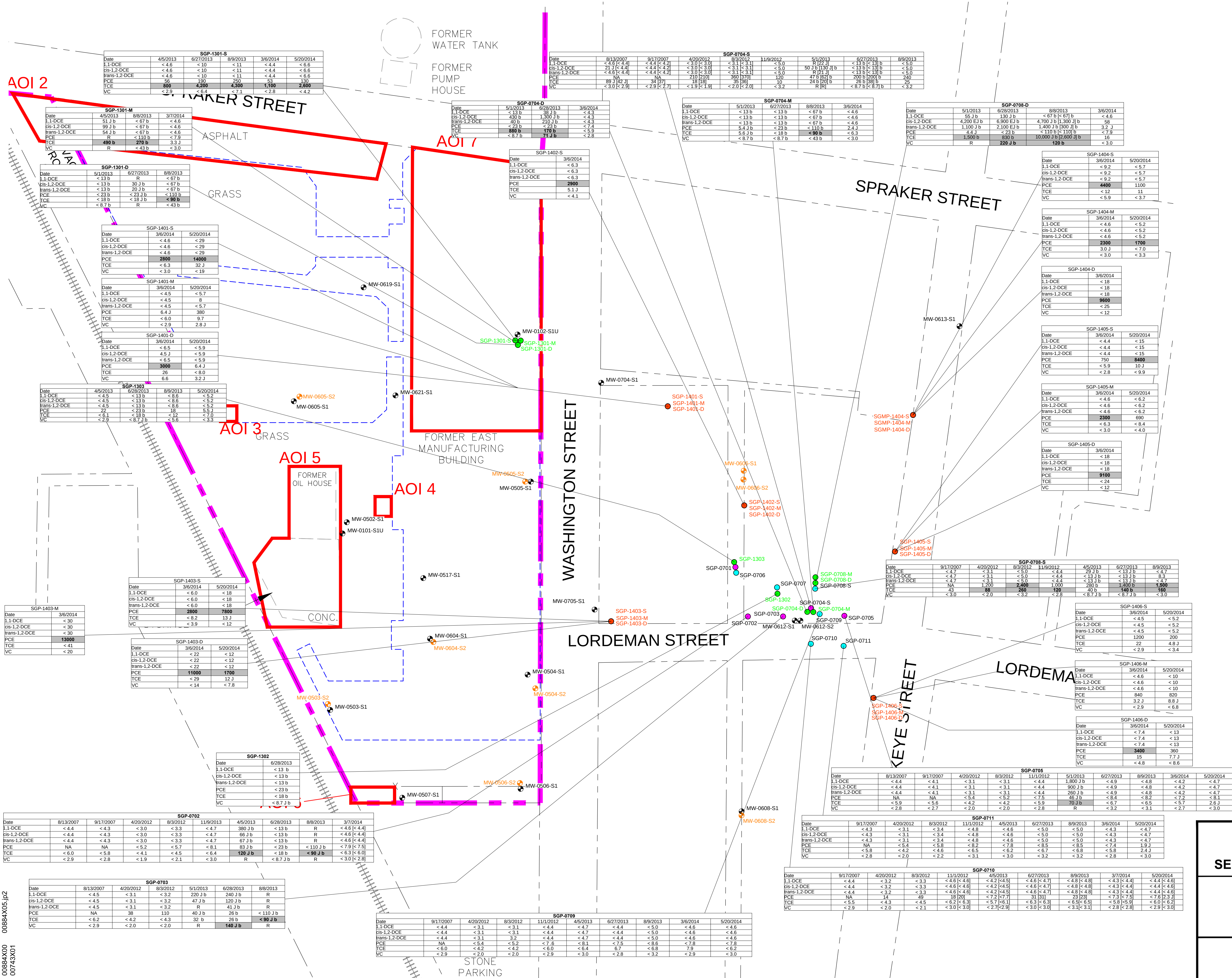


**POTENTIOMETRIC SURFACE - UNIT S2
(APRIL 22, 2014)**









RACER TRUST
FORMER GM DELCO PLANT 5
KOKOMO, INDIANA
SEMI-ANNUAL DATA REPORT - FIRST HALF 2014

SOIL GAS SAMPLING RESULTS





Appendix A

Groundwater Analytical Reports, Soil
Gas Analytical Reports and Data
Validation Report
(Provided on CD)

May 28, 2014

Mr. Matt Griles
Arcadis U.S., Inc.
132 E. Washington
Suite 600
Indianapolis, IN 46204

RE: Project: GM Delco IN000884.2014
Pace Project No.: 5097624

Dear Mr. Griles:

Enclosed are the analytical results for sample(s) received by the laboratory on May 13, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Tina Sayer for
Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas Certification #: E-10247

Kentucky UST Certification #: 0042

Louisiana/NELAP Certification #: 04076

Ohio VAP Certification #: CL-0065

West Virginia Certification #: 330

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5097624001	MW-0618-S1(051314)	Water	05/13/14 08:45	05/13/14 15:01
5097624002	MW-0613-S1(051314)	Water	05/13/14 08:55	05/13/14 15:01
5097624003	EB-2(051314)	Water	05/13/14 09:00	05/13/14 15:01
5097624004	TB-01(051314)_LM	Water	05/13/14 08:00	05/13/14 15:01
5097624005	MW-0607-S1(051314)	Water	05/13/14 09:10	05/13/14 15:01
5097624006	MW-0609-S1(051314)	Water	05/13/14 09:20	05/13/14 15:01
5097624007	MW-0610-S1(051314)	Water	05/13/14 09:25	05/13/14 15:01
5097624008	MW-0602-S1(051314)	Water	05/13/14 09:45	05/13/14 15:01
5097624009	MW-0705-S1(051314)	Water	05/13/14 09:55	05/13/14 15:01
5097624010	MW-0612-S1(051314)	Water	05/13/14 10:00	05/13/14 15:01
5097624011	MW-0608-S1(051314)	Water	05/13/14 10:10	05/13/14 15:01
5097624012	MW-0606-S1(051314)	Water	05/13/14 10:20	05/13/14 15:01
5097624013	MW-0704-S1(051314)	Water	05/13/14 10:30	05/13/14 15:01
5097624014	MW-0516-S1(051314)	Water	05/13/14 10:55	05/13/14 15:01
5097624015	MW-0603-S1(051314)	Water	05/13/14 11:20	05/13/14 15:01
5097624016	MW-0622-S1(051314)	Water	05/13/14 11:35	05/13/14 15:01
5097624017	FD-2(051314)	Water	05/13/14 08:00	05/13/14 15:01
5097624018	MW-0620-S1(051314)	Water	05/13/14 11:45	05/13/14 15:01
5097624019	MW-0101-S1U(051314)	Water	05/13/14 12:05	05/13/14 15:01
5097624020	MW-0502-S1(051314)	Water	05/13/14 12:10	05/13/14 15:01
5097624021	MW-0605-S1(051314)	Water	05/13/14 12:20	05/13/14 15:01
5097624022	FD-1(051314)	Water	05/13/14 08:00	05/13/14 15:01
5097624023	MW-0517-S1(051314)	Water	05/13/14 12:50	05/13/14 15:01

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SAMPLE ANALYTE COUNT

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5097624001	MW-0618-S1(051314)	EPA 8260	AMV	51
5097624002	MW-0613-S1(051314)	EPA 8260	AMV	51
5097624003	EB-2(051314)	EPA 8260	AMV	51
5097624004	TB-01(051314)_LM	EPA 8260	AMV	51
5097624005	MW-0607-S1(051314)	EPA 8260	AMV	51
5097624006	MW-0609-S1(051314)	EPA 8260	AMV	51
5097624007	MW-0610-S1(051314)	EPA 8260	AMV	51
5097624008	MW-0602-S1(051314)	EPA 8260	AMV	51
5097624009	MW-0705-S1(051314)	EPA 8260	AMV	51
5097624010	MW-0612-S1(051314)	EPA 8260	AMV	51
5097624011	MW-0608-S1(051314)	EPA 8260	AMV	51
5097624012	MW-0606-S1(051314)	EPA 8260	AMV	51
5097624013	MW-0704-S1(051314)	EPA 8260	AMV	51
5097624014	MW-0516-S1(051314)	EPA 8260	AMV	51
5097624015	MW-0603-S1(051314)	EPA 8260	AMV	51
5097624016	MW-0622-S1(051314)	EPA 8260	AMV	51
5097624017	FD-2(051314)	EPA 8260	AMV	51
5097624018	MW-0620-S1(051314)	EPA 8260	AMV	51
5097624019	MW-0101-S1U(051314)	EPA 8260	AMV	51
5097624020	MW-0502-S1(051314)	EPA 8260	AMV	51
5097624021	MW-0605-S1(051314)	EPA 8260	AMV	51
5097624022	FD-1(051314)	EPA 8260	AMV	51
5097624023	MW-0517-S1(051314)	EPA 8260	AMV	51

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0618-S1(051314)		Lab ID: 5097624001	Collected: 05/13/14 08:45	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/23/14 12:56	67-64-1	
Benzene	ND ug/L		5.0	1		05/23/14 12:56	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/23/14 12:56	75-27-4	
Bromoform	ND ug/L		5.0	1		05/23/14 12:56	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/23/14 12:56	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/23/14 12:56	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/23/14 12:56	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/23/14 12:56	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/23/14 12:56	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/23/14 12:56	75-00-3	
Chloroform	ND ug/L		5.0	1		05/23/14 12:56	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/23/14 12:56	74-87-3	
Cyclohexane	ND ug/L		100	1		05/23/14 12:56	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/23/14 12:56	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/23/14 12:56	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/23/14 12:56	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 12:56	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 12:56	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 12:56	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/23/14 12:56	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/23/14 12:56	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/23/14 12:56	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/23/14 12:56	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/23/14 12:56	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/23/14 12:56	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/23/14 12:56	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/23/14 12:56	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/23/14 12:56	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/23/14 12:56	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/23/14 12:56	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/23/14 12:56	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/23/14 12:56	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/23/14 12:56	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/23/14 12:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/23/14 12:56	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/23/14 12:56	1634-04-4	
Styrene	ND ug/L		5.0	1		05/23/14 12:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/23/14 12:56	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/23/14 12:56	127-18-4	
Toluene	ND ug/L		5.0	1		05/23/14 12:56	108-88-3	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		05/23/14 12:56	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/23/14 12:56	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/23/14 12:56	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/23/14 12:56	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/23/14 12:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/23/14 12:56	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/23/14 12:56	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0618-S1(051314)		Lab ID: 5097624001	Collected: 05/13/14 08:45	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		05/23/14 12:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98 %		79-116	1		05/23/14 12:56	1868-53-7	
4-Bromofluorobenzene (S)	88 %		80-114	1		05/23/14 12:56	460-00-4	
Toluene-d8 (S)	101 %		81-110	1		05/23/14 12:56	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0613-S1(051314)		Lab ID: 5097624002	Collected: 05/13/14 08:55	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/23/14 14:34	67-64-1	
Benzene	ND ug/L		5.0	1		05/23/14 14:34	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/23/14 14:34	75-27-4	
Bromoform	ND ug/L		5.0	1		05/23/14 14:34	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/23/14 14:34	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/23/14 14:34	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/23/14 14:34	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/23/14 14:34	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/23/14 14:34	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/23/14 14:34	75-00-3	
Chloroform	ND ug/L		5.0	1		05/23/14 14:34	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/23/14 14:34	74-87-3	
Cyclohexane	ND ug/L		100	1		05/23/14 14:34	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/23/14 14:34	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/23/14 14:34	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/23/14 14:34	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 14:34	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 14:34	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 14:34	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/23/14 14:34	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/23/14 14:34	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/23/14 14:34	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/23/14 14:34	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/23/14 14:34	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/23/14 14:34	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/23/14 14:34	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/23/14 14:34	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/23/14 14:34	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/23/14 14:34	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/23/14 14:34	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/23/14 14:34	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/23/14 14:34	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/23/14 14:34	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/23/14 14:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/23/14 14:34	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/23/14 14:34	1634-04-4	
Styrene	ND ug/L		5.0	1		05/23/14 14:34	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/23/14 14:34	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/23/14 14:34	127-18-4	
Toluene	ND ug/L		5.0	1		05/23/14 14:34	108-88-3	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		05/23/14 14:34	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/23/14 14:34	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/23/14 14:34	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/23/14 14:34	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/23/14 14:34	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/23/14 14:34	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/23/14 14:34	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0613-S1(051314)		Lab ID: 5097624002	Collected: 05/13/14 08:55	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/23/14 14:34	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98 %.		79-116	1		05/23/14 14:34	1868-53-7	
4-Bromofluorobenzene (S)	93 %.		80-114	1		05/23/14 14:34	460-00-4	
Toluene-d8 (S)	103 %.		81-110	1		05/23/14 14:34	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: EB-2(051314)		Lab ID: 5097624003	Collected: 05/13/14 09:00	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	65.4J	ug/L	100	1		05/23/14 08:59	67-64-1	
Benzene	ND	ug/L	5.0	1		05/23/14 08:59	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/23/14 08:59	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/23/14 08:59	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/23/14 08:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/23/14 08:59	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/23/14 08:59	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/23/14 08:59	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/23/14 08:59	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/23/14 08:59	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/23/14 08:59	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/23/14 08:59	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/23/14 08:59	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/23/14 08:59	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/23/14 08:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/23/14 08:59	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 08:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 08:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 08:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/23/14 08:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/23/14 08:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/23/14 08:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/23/14 08:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/14 08:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/14 08:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/23/14 08:59	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 08:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 08:59	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/23/14 08:59	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/23/14 08:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/23/14 08:59	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/23/14 08:59	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/23/14 08:59	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/23/14 08:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/23/14 08:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/23/14 08:59	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/23/14 08:59	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/14 08:59	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/23/14 08:59	127-18-4	
Toluene	ND	ug/L	5.0	1		05/23/14 08:59	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/23/14 08:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/23/14 08:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/23/14 08:59	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/23/14 08:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/23/14 08:59	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/23/14 08:59	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/23/14 08:59	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: EB-2(051314)		Lab ID: 5097624003		Collected: 05/13/14 09:00		Received: 05/13/14 15:01		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/23/14 08:59	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		102	%.	79-116	1		05/23/14 08:59	1868-53-7	
4-Bromofluorobenzene (S)		93	%.	80-114	1		05/23/14 08:59	460-00-4	
Toluene-d8 (S)		100	%.	81-110	1		05/23/14 08:59	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: TB-01(051314)_LM		Lab ID: 5097624004	Collected: 05/13/14 08:00	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/23/14 15:06	67-64-1	
Benzene	ND ug/L		5.0	1		05/23/14 15:06	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/23/14 15:06	75-27-4	
Bromoform	ND ug/L		5.0	1		05/23/14 15:06	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/23/14 15:06	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/23/14 15:06	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/23/14 15:06	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/23/14 15:06	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/23/14 15:06	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/23/14 15:06	75-00-3	
Chloroform	ND ug/L		5.0	1		05/23/14 15:06	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/23/14 15:06	74-87-3	
Cyclohexane	ND ug/L		100	1		05/23/14 15:06	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/23/14 15:06	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/23/14 15:06	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/23/14 15:06	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 15:06	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 15:06	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 15:06	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/23/14 15:06	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/23/14 15:06	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/23/14 15:06	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/23/14 15:06	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/23/14 15:06	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/23/14 15:06	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/23/14 15:06	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/23/14 15:06	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/23/14 15:06	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/23/14 15:06	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/23/14 15:06	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/23/14 15:06	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/23/14 15:06	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/23/14 15:06	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/23/14 15:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/23/14 15:06	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/23/14 15:06	1634-04-4	
Styrene	ND ug/L		5.0	1		05/23/14 15:06	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/23/14 15:06	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/23/14 15:06	127-18-4	
Toluene	ND ug/L		5.0	1		05/23/14 15:06	108-88-3	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		05/23/14 15:06	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/23/14 15:06	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/23/14 15:06	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/23/14 15:06	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/23/14 15:06	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/23/14 15:06	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/23/14 15:06	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: TB-01(051314)_LM		Lab ID: 5097624004	Collected: 05/13/14 08:00	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		05/23/14 15:06	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100 %.		79-116	1		05/23/14 15:06	1868-53-7	
4-Bromofluorobenzene (S)	84 %.		80-114	1		05/23/14 15:06	460-00-4	
Toluene-d8 (S)	100 %.		81-110	1		05/23/14 15:06	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0607-S1(051314)		Lab ID: 5097624005	Collected: 05/13/14 09:10	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		05/26/14 13:58	67-64-1	
Benzene	1.6J	ug/L	5.0	1		05/26/14 13:58	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/26/14 13:58	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/26/14 13:58	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/26/14 13:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/26/14 13:58	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/26/14 13:58	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/26/14 13:58	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/26/14 13:58	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/26/14 13:58	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/26/14 13:58	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/26/14 13:58	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/26/14 13:58	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/26/14 13:58	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/26/14 13:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/26/14 13:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/26/14 13:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/26/14 13:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/26/14 13:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/26/14 13:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/26/14 13:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/26/14 13:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/26/14 13:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/26/14 13:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/26/14 13:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/26/14 13:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/26/14 13:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/26/14 13:58	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/26/14 13:58	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/26/14 13:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/26/14 13:58	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/26/14 13:58	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/26/14 13:58	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/26/14 13:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/26/14 13:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/26/14 13:58	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/26/14 13:58	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/26/14 13:58	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/26/14 13:58	127-18-4	
Toluene	ND	ug/L	5.0	1		05/26/14 13:58	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/26/14 13:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/26/14 13:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/26/14 13:58	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/26/14 13:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/26/14 13:58	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/26/14 13:58	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/26/14 13:58	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0607-S1(051314)		Lab ID: 5097624005	Collected: 05/13/14 09:10	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/26/14 13:58	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97 %.		79-116	1		05/26/14 13:58	1868-53-7	
4-Bromofluorobenzene (S)	100 %.		80-114	1		05/26/14 13:58	460-00-4	
Toluene-d8 (S)	101 %.		81-110	1		05/26/14 13:58	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0609-S1(051314)		Lab ID: 5097624006	Collected: 05/13/14 09:20	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	56.8J	ug/L	100	1		05/23/14 16:11	67-64-1	
Benzene	ND	ug/L	5.0	1		05/23/14 16:11	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/23/14 16:11	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/23/14 16:11	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/23/14 16:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/23/14 16:11	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/23/14 16:11	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/23/14 16:11	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/23/14 16:11	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/23/14 16:11	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/23/14 16:11	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/23/14 16:11	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/23/14 16:11	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/23/14 16:11	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/23/14 16:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/23/14 16:11	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 16:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 16:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 16:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/23/14 16:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/23/14 16:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/23/14 16:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/23/14 16:11	75-35-4	
cis-1,2-Dichloroethene	198	ug/L	50.0	10		05/23/14 16:43	156-59-2	
trans-1,2-Dichloroethene	16.2	ug/L	5.0	1		05/23/14 16:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/23/14 16:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 16:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 16:11	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/23/14 16:11	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/23/14 16:11	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/23/14 16:11	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/23/14 16:11	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/23/14 16:11	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/23/14 16:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/23/14 16:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/23/14 16:11	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/23/14 16:11	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/14 16:11	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/23/14 16:11	127-18-4	
Toluene	ND	ug/L	5.0	1		05/23/14 16:11	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/23/14 16:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/23/14 16:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/23/14 16:11	79-00-5	
Trichloroethene	40.1	ug/L	5.0	1		05/23/14 16:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/23/14 16:11	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/23/14 16:11	76-13-1	
Vinyl chloride	5.4	ug/L	2.0	1		05/23/14 16:11	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0609-S1(051314)		Lab ID: 5097624006	Collected: 05/13/14 09:20	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		05/23/14 16:11	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	79-116	1		05/23/14 16:11	1868-53-7	
4-Bromofluorobenzene (S)	87	%.	80-114	1		05/23/14 16:11	460-00-4	
Toluene-d8 (S)	100	%.	81-110	1		05/23/14 16:11	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0610-S1(051314)		Lab ID: 5097624007	Collected: 05/13/14 09:25	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/24/14 00:31	67-64-1	
Benzene	ND ug/L		5.0	1		05/24/14 00:31	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/24/14 00:31	75-27-4	
Bromoform	ND ug/L		5.0	1		05/24/14 00:31	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/24/14 00:31	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/24/14 00:31	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/24/14 00:31	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/24/14 00:31	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/24/14 00:31	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/24/14 00:31	75-00-3	
Chloroform	ND ug/L		5.0	1		05/24/14 00:31	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/24/14 00:31	74-87-3	
Cyclohexane	ND ug/L		100	1		05/24/14 00:31	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/24/14 00:31	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/24/14 00:31	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/24/14 00:31	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 00:31	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 00:31	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 00:31	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/24/14 00:31	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/24/14 00:31	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/24/14 00:31	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/24/14 00:31	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 00:31	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 00:31	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/24/14 00:31	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 00:31	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 00:31	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/24/14 00:31	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/24/14 00:31	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/24/14 00:31	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/24/14 00:31	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/24/14 00:31	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/24/14 00:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/24/14 00:31	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/24/14 00:31	1634-04-4	
Styrene	ND ug/L		5.0	1		05/24/14 00:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/24/14 00:31	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/24/14 00:31	127-18-4	
Toluene	ND ug/L		5.0	1		05/24/14 00:31	108-88-3	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		05/24/14 00:31	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/24/14 00:31	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/24/14 00:31	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/24/14 00:31	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/24/14 00:31	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/24/14 00:31	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/24/14 00:31	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0610-S1(051314)		Lab ID: 5097624007		Collected: 05/13/14 09:25		Received: 05/13/14 15:01		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/24/14 00:31	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		101	%.	79-116	1		05/24/14 00:31	1868-53-7	
4-Bromofluorobenzene (S)		99	%.	80-114	1		05/24/14 00:31	460-00-4	
Toluene-d8 (S)		98	%.	81-110	1		05/24/14 00:31	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0602-S1(051314)		Lab ID: 5097624008	Collected: 05/13/14 09:45	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/24/14 01:36	67-64-1	
Benzene	ND ug/L		5.0	1		05/24/14 01:36	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/24/14 01:36	75-27-4	
Bromoform	ND ug/L		5.0	1		05/24/14 01:36	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/24/14 01:36	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/24/14 01:36	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/24/14 01:36	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/24/14 01:36	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/24/14 01:36	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/24/14 01:36	75-00-3	
Chloroform	ND ug/L		5.0	1		05/24/14 01:36	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/24/14 01:36	74-87-3	
Cyclohexane	ND ug/L		100	1		05/24/14 01:36	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/24/14 01:36	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/24/14 01:36	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/24/14 01:36	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 01:36	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 01:36	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 01:36	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/24/14 01:36	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/24/14 01:36	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/24/14 01:36	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/24/14 01:36	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 01:36	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 01:36	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/24/14 01:36	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 01:36	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 01:36	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/24/14 01:36	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/24/14 01:36	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/24/14 01:36	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/24/14 01:36	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/24/14 01:36	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/24/14 01:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/24/14 01:36	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/24/14 01:36	1634-04-4	
Styrene	ND ug/L		5.0	1		05/24/14 01:36	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/24/14 01:36	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/24/14 01:36	127-18-4	
Toluene	ND ug/L		5.0	1		05/24/14 01:36	108-88-3	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		05/24/14 01:36	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/24/14 01:36	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/24/14 01:36	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/24/14 01:36	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/24/14 01:36	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/24/14 01:36	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/24/14 01:36	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0602-S1(051314)		Lab ID: 5097624008	Collected: 05/13/14 09:45	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		05/24/14 01:36	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		05/24/14 01:36	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114	1		05/24/14 01:36	460-00-4	
Toluene-d8 (S)	101	%.	81-110	1		05/24/14 01:36	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0705-S1(051314)		Lab ID: 5097624009	Collected: 05/13/14 09:55	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	66.5J	ug/L	100	1		05/23/14 17:16	67-64-1	
Benzene	ND	ug/L	5.0	1		05/23/14 17:16	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/23/14 17:16	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/23/14 17:16	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/23/14 17:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/23/14 17:16	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/23/14 17:16	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/23/14 17:16	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/23/14 17:16	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/23/14 17:16	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/23/14 17:16	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/23/14 17:16	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/23/14 17:16	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/23/14 17:16	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/23/14 17:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/23/14 17:16	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 17:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 17:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 17:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/23/14 17:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/23/14 17:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/23/14 17:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/23/14 17:16	75-35-4	
cis-1,2-Dichloroethene	42.1	ug/L	5.0	1		05/23/14 17:16	156-59-2	
trans-1,2-Dichloroethene	10.7	ug/L	5.0	1		05/23/14 17:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/23/14 17:16	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 17:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 17:16	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/23/14 17:16	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/23/14 17:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/23/14 17:16	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/23/14 17:16	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/23/14 17:16	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/23/14 17:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/23/14 17:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/23/14 17:16	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/23/14 17:16	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/14 17:16	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/23/14 17:16	127-18-4	
Toluene	ND	ug/L	5.0	1		05/23/14 17:16	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/23/14 17:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/23/14 17:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/23/14 17:16	79-00-5	
Trichloroethene	131	ug/L	5.0	1		05/23/14 17:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/23/14 17:16	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/23/14 17:16	76-13-1	
Vinyl chloride	4.2	ug/L	2.0	1		05/23/14 17:16	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0705-S1(051314)		Lab ID: 5097624009	Collected: 05/13/14 09:55	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		05/23/14 17:16	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	79-116	1		05/23/14 17:16	1868-53-7	
4-Bromofluorobenzene (S)	89	%.	80-114	1		05/23/14 17:16	460-00-4	
Toluene-d8 (S)	104	%.	81-110	1		05/23/14 17:16	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0612-S1(051314)		Lab ID: 5097624010	Collected: 05/13/14 10:00	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	64.4J	ug/L	100	1		05/23/14 17:48	67-64-1	
Benzene	ND	ug/L	5.0	1		05/23/14 17:48	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/23/14 17:48	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/23/14 17:48	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/23/14 17:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/23/14 17:48	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/23/14 17:48	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/23/14 17:48	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/23/14 17:48	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/23/14 17:48	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/23/14 17:48	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/23/14 17:48	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/23/14 17:48	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/23/14 17:48	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/23/14 17:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/23/14 17:48	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 17:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 17:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 17:48	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/23/14 17:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/23/14 17:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/23/14 17:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/23/14 17:48	75-35-4	
cis-1,2-Dichloroethene	248	ug/L	125	25		05/23/14 18:20	156-59-2	
trans-1,2-Dichloroethene	46.2	ug/L	5.0	1		05/23/14 17:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/23/14 17:48	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 17:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 17:48	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/23/14 17:48	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/23/14 17:48	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/23/14 17:48	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/23/14 17:48	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/23/14 17:48	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/23/14 17:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/23/14 17:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/23/14 17:48	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/23/14 17:48	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/14 17:48	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/23/14 17:48	127-18-4	
Toluene	ND	ug/L	5.0	1		05/23/14 17:48	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/23/14 17:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/23/14 17:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/23/14 17:48	79-00-5	
Trichloroethene	3400	ug/L	250	50		05/27/14 15:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/23/14 17:48	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/23/14 17:48	76-13-1	
Vinyl chloride	13.2	ug/L	2.0	1		05/23/14 17:48	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0612-S1(051314)		Lab ID: 5097624010	Collected: 05/13/14 10:00	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		05/23/14 17:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		05/23/14 17:48	1868-53-7	
4-Bromofluorobenzene (S)	91	%.	80-114	1		05/23/14 17:48	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		05/23/14 17:48	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0608-S1(051314)		Lab ID: 5097624011	Collected: 05/13/14 10:10	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		05/23/14 18:53	67-64-1	
Benzene	ND	ug/L	5.0	1		05/23/14 18:53	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/23/14 18:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/23/14 18:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/23/14 18:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/23/14 18:53	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/23/14 18:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/23/14 18:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/23/14 18:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/23/14 18:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/23/14 18:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/23/14 18:53	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/23/14 18:53	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/23/14 18:53	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/23/14 18:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/23/14 18:53	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 18:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 18:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 18:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/23/14 18:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/23/14 18:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/23/14 18:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/23/14 18:53	75-35-4	
cis-1,2-Dichloroethene	148	ug/L	5.0	1		05/23/14 18:53	156-59-2	
trans-1,2-Dichloroethene	11.7	ug/L	5.0	1		05/23/14 18:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/23/14 18:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 18:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 18:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/23/14 18:53	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/23/14 18:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/23/14 18:53	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/23/14 18:53	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/23/14 18:53	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/23/14 18:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/23/14 18:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/23/14 18:53	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/23/14 18:53	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/14 18:53	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/23/14 18:53	127-18-4	
Toluene	ND	ug/L	5.0	1		05/23/14 18:53	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/23/14 18:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/23/14 18:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/23/14 18:53	79-00-5	
Trichloroethene	3.5J	ug/L	5.0	1		05/23/14 18:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/23/14 18:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/23/14 18:53	76-13-1	
Vinyl chloride	5.4	ug/L	2.0	1		05/23/14 18:53	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0608-S1(051314)		Lab ID: 5097624011	Collected: 05/13/14 10:10	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		05/23/14 18:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105	%.	79-116	1		05/23/14 18:53	1868-53-7	
4-Bromofluorobenzene (S)	88	%.	80-114	1		05/23/14 18:53	460-00-4	
Toluene-d8 (S)	101	%.	81-110	1		05/23/14 18:53	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0606-S1(051314)		Lab ID: 5097624012	Collected: 05/13/14 10:20	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	500	5		05/23/14 19:25	67-64-1	
Benzene	ND	ug/L	25.0	5		05/23/14 19:25	71-43-2	1d
Bromodichloromethane	ND	ug/L	25.0	5		05/23/14 19:25	75-27-4	
Bromoform	ND	ug/L	25.0	5		05/23/14 19:25	75-25-2	
Bromomethane	ND	ug/L	25.0	5		05/23/14 19:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	125	5		05/23/14 19:25	78-93-3	
Carbon disulfide	ND	ug/L	50.0	5		05/23/14 19:25	75-15-0	
Carbon tetrachloride	ND	ug/L	25.0	5		05/23/14 19:25	56-23-5	
Chlorobenzene	ND	ug/L	25.0	5		05/23/14 19:25	108-90-7	
Chloroethane	ND	ug/L	25.0	5		05/23/14 19:25	75-00-3	
Chloroform	ND	ug/L	25.0	5		05/23/14 19:25	67-66-3	
Chloromethane	ND	ug/L	25.0	5		05/23/14 19:25	74-87-3	
Cyclohexane	ND	ug/L	500	5		05/23/14 19:25	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	5		05/23/14 19:25	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	5		05/23/14 19:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	5		05/23/14 19:25	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	25.0	5		05/23/14 19:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	5		05/23/14 19:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	5		05/23/14 19:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	5		05/23/14 19:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	5		05/23/14 19:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	5		05/23/14 19:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	5		05/23/14 19:25	75-35-4	
cis-1,2-Dichloroethene	365	ug/L	25.0	5		05/23/14 19:25	156-59-2	
trans-1,2-Dichloroethene	75.9	ug/L	25.0	5		05/23/14 19:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	5		05/23/14 19:25	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	25.0	5		05/23/14 19:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	25.0	5		05/23/14 19:25	10061-02-6	
Ethylbenzene	ND	ug/L	25.0	5		05/23/14 19:25	100-41-4	
2-Hexanone	ND	ug/L	125	5		05/23/14 19:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	25.0	5		05/23/14 19:25	98-82-8	
Methyl acetate	ND	ug/L	250	5		05/23/14 19:25	79-20-9	N2
Methylcyclohexane	ND	ug/L	250	5		05/23/14 19:25	108-87-2	N2
Methylene Chloride	ND	ug/L	25.0	5		05/23/14 19:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	125	5		05/23/14 19:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	20.0	5		05/23/14 19:25	1634-04-4	
Styrene	ND	ug/L	25.0	5		05/23/14 19:25	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	5		05/23/14 19:25	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	5		05/23/14 19:25	127-18-4	
Toluene	ND	ug/L	25.0	5		05/23/14 19:25	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	25.0	5		05/23/14 19:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	5		05/23/14 19:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	5		05/23/14 19:25	79-00-5	
Trichloroethene	3280	ug/L	250	50		05/23/14 19:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	25.0	5		05/23/14 19:25	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	25.0	5		05/23/14 19:25	76-13-1	
Vinyl chloride	ND	ug/L	10.0	5		05/23/14 19:25	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0606-S1(051314)		Lab ID: 5097624012	Collected: 05/13/14 10:20	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		50.0	5		05/23/14 19:25	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100 %.		79-116	5		05/23/14 19:25	1868-53-7	D4
4-Bromofluorobenzene (S)	86 %.		80-114	5		05/23/14 19:25	460-00-4	
Toluene-d8 (S)	99 %.		81-110	5		05/23/14 19:25	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0704-S1(051314)		Lab ID: 5097624013	Collected: 05/13/14 10:30	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	500	5		05/23/14 20:30	67-64-1	
Benzene	ND	ug/L	25.0	5		05/23/14 20:30	71-43-2	1d
Bromodichloromethane	ND	ug/L	25.0	5		05/23/14 20:30	75-27-4	
Bromoform	ND	ug/L	25.0	5		05/23/14 20:30	75-25-2	
Bromomethane	ND	ug/L	25.0	5		05/23/14 20:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	125	5		05/23/14 20:30	78-93-3	
Carbon disulfide	ND	ug/L	50.0	5		05/23/14 20:30	75-15-0	
Carbon tetrachloride	ND	ug/L	25.0	5		05/23/14 20:30	56-23-5	
Chlorobenzene	ND	ug/L	25.0	5		05/23/14 20:30	108-90-7	
Chloroethane	ND	ug/L	25.0	5		05/23/14 20:30	75-00-3	
Chloroform	ND	ug/L	25.0	5		05/23/14 20:30	67-66-3	
Chloromethane	ND	ug/L	25.0	5		05/23/14 20:30	74-87-3	
Cyclohexane	ND	ug/L	500	5		05/23/14 20:30	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	5		05/23/14 20:30	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	5		05/23/14 20:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	5		05/23/14 20:30	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	25.0	5		05/23/14 20:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	5		05/23/14 20:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	5		05/23/14 20:30	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	5		05/23/14 20:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	5		05/23/14 20:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	5		05/23/14 20:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	5		05/23/14 20:30	75-35-4	
cis-1,2-Dichloroethene	606	ug/L	25.0	5		05/23/14 20:30	156-59-2	
trans-1,2-Dichloroethene	77.4	ug/L	25.0	5		05/23/14 20:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	5		05/23/14 20:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	25.0	5		05/23/14 20:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	25.0	5		05/23/14 20:30	10061-02-6	
Ethylbenzene	ND	ug/L	25.0	5		05/23/14 20:30	100-41-4	
2-Hexanone	ND	ug/L	125	5		05/23/14 20:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	25.0	5		05/23/14 20:30	98-82-8	
Methyl acetate	ND	ug/L	250	5		05/23/14 20:30	79-20-9	N2
Methylcyclohexane	ND	ug/L	250	5		05/23/14 20:30	108-87-2	N2
Methylene Chloride	ND	ug/L	25.0	5		05/23/14 20:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	125	5		05/23/14 20:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	20.0	5		05/23/14 20:30	1634-04-4	
Styrene	ND	ug/L	25.0	5		05/23/14 20:30	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	5		05/23/14 20:30	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	5		05/23/14 20:30	127-18-4	
Toluene	ND	ug/L	25.0	5		05/23/14 20:30	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	25.0	5		05/23/14 20:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	5		05/23/14 20:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	5		05/23/14 20:30	79-00-5	
Trichloroethene	2080	ug/L	250	50		05/23/14 21:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	25.0	5		05/23/14 20:30	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	25.0	5		05/23/14 20:30	76-13-1	
Vinyl chloride	ND	ug/L	10.0	5		05/23/14 20:30	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0704-S1(051314)		Lab ID: 5097624013	Collected: 05/13/14 10:30	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	50.0	5		05/23/14 20:30	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	79-116	5		05/23/14 20:30	1868-53-7	D4
4-Bromofluorobenzene (S)	86	%.	80-114	5		05/23/14 20:30	460-00-4	
Toluene-d8 (S)	102	%.	81-110	5		05/23/14 20:30	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0516-S1(051314)		Lab ID: 5097624014	Collected: 05/13/14 10:55	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/23/14 21:34	67-64-1	
Benzene	ND ug/L		5.0	1		05/23/14 21:34	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/23/14 21:34	75-27-4	
Bromoform	ND ug/L		5.0	1		05/23/14 21:34	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/23/14 21:34	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/23/14 21:34	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/23/14 21:34	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/23/14 21:34	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/23/14 21:34	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/23/14 21:34	75-00-3	
Chloroform	ND ug/L		5.0	1		05/23/14 21:34	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/23/14 21:34	74-87-3	
Cyclohexane	ND ug/L		100	1		05/23/14 21:34	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/23/14 21:34	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/23/14 21:34	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/23/14 21:34	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 21:34	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 21:34	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 21:34	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/23/14 21:34	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/23/14 21:34	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/23/14 21:34	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/23/14 21:34	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/23/14 21:34	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/23/14 21:34	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/23/14 21:34	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/23/14 21:34	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/23/14 21:34	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/23/14 21:34	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/23/14 21:34	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/23/14 21:34	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/23/14 21:34	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/23/14 21:34	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/23/14 21:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/23/14 21:34	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/23/14 21:34	1634-04-4	
Styrene	ND ug/L		5.0	1		05/23/14 21:34	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/23/14 21:34	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/23/14 21:34	127-18-4	
Toluene	ND ug/L		5.0	1		05/23/14 21:34	108-88-3	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		05/23/14 21:34	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/23/14 21:34	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/23/14 21:34	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/23/14 21:34	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/23/14 21:34	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/23/14 21:34	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/23/14 21:34	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0516-S1(051314)		Lab ID: 5097624014		Collected: 05/13/14 10:55		Received: 05/13/14 15:01		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/23/14 21:34	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		107	%.	79-116	1		05/23/14 21:34	1868-53-7	
4-Bromofluorobenzene (S)		90	%.	80-114	1		05/23/14 21:34	460-00-4	
Toluene-d8 (S)		102	%.	81-110	1		05/23/14 21:34	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0603-S1(051314)		Lab ID: 5097624015	Collected: 05/13/14 11:20	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/24/14 02:41	67-64-1	
Benzene	ND ug/L		5.0	1		05/24/14 02:41	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/24/14 02:41	75-27-4	
Bromoform	ND ug/L		5.0	1		05/24/14 02:41	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/24/14 02:41	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/24/14 02:41	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/24/14 02:41	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/24/14 02:41	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/24/14 02:41	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/24/14 02:41	75-00-3	
Chloroform	ND ug/L		5.0	1		05/24/14 02:41	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/24/14 02:41	74-87-3	
Cyclohexane	ND ug/L		100	1		05/24/14 02:41	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/24/14 02:41	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/24/14 02:41	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/24/14 02:41	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 02:41	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 02:41	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 02:41	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/24/14 02:41	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/24/14 02:41	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/24/14 02:41	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/24/14 02:41	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 02:41	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 02:41	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/24/14 02:41	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 02:41	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 02:41	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/24/14 02:41	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/24/14 02:41	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/24/14 02:41	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/24/14 02:41	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/24/14 02:41	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/24/14 02:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/24/14 02:41	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/24/14 02:41	1634-04-4	
Styrene	ND ug/L		5.0	1		05/24/14 02:41	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/24/14 02:41	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/24/14 02:41	127-18-4	
Toluene	ND ug/L		5.0	1		05/24/14 02:41	108-88-3	
1,2,4-Trichlorobenzene	2.7J ug/L		5.0	1		05/24/14 02:41	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/24/14 02:41	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/24/14 02:41	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/24/14 02:41	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/24/14 02:41	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/24/14 02:41	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/24/14 02:41	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0603-S1(051314)		Lab ID: 5097624015		Collected: 05/13/14 11:20		Received: 05/13/14 15:01		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/24/14 02:41	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		101	%.	79-116	1		05/24/14 02:41	1868-53-7	
4-Bromofluorobenzene (S)		101	%.	80-114	1		05/24/14 02:41	460-00-4	
Toluene-d8 (S)		99	%.	81-110	1		05/24/14 02:41	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0622-S1(051314)		Lab ID: 5097624016	Collected: 05/13/14 11:35	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	1000	10		05/24/14 03:13	67-64-1	
Benzene	ND	ug/L	50.0	10		05/24/14 03:13	71-43-2	1d
Bromodichloromethane	ND	ug/L	50.0	10		05/24/14 03:13	75-27-4	
Bromoform	ND	ug/L	50.0	10		05/24/14 03:13	75-25-2	
Bromomethane	ND	ug/L	50.0	10		05/24/14 03:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		05/24/14 03:13	78-93-3	
Carbon disulfide	ND	ug/L	100	10		05/24/14 03:13	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		05/24/14 03:13	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		05/24/14 03:13	108-90-7	
Chloroethane	ND	ug/L	50.0	10		05/24/14 03:13	75-00-3	
Chloroform	ND	ug/L	50.0	10		05/24/14 03:13	67-66-3	
Chloromethane	ND	ug/L	50.0	10		05/24/14 03:13	74-87-3	
Cyclohexane	ND	ug/L	1000	10		05/24/14 03:13	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		05/24/14 03:13	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		05/24/14 03:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		05/24/14 03:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		05/24/14 03:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		05/24/14 03:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		05/24/14 03:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		05/24/14 03:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		05/24/14 03:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		05/24/14 03:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		05/24/14 03:13	75-35-4	
cis-1,2-Dichloroethene	2650	ug/L	50.0	10		05/24/14 03:13	156-59-2	
trans-1,2-Dichloroethene	29.8J	ug/L	50.0	10		05/24/14 03:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		05/24/14 03:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		05/24/14 03:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		05/24/14 03:13	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		05/24/14 03:13	100-41-4	
2-Hexanone	ND	ug/L	250	10		05/24/14 03:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		05/24/14 03:13	98-82-8	
Methyl acetate	ND	ug/L	500	10		05/24/14 03:13	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		05/24/14 03:13	108-87-2	N2
Methylene Chloride	ND	ug/L	50.0	10		05/24/14 03:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		05/24/14 03:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		05/24/14 03:13	1634-04-4	
Styrene	ND	ug/L	50.0	10		05/24/14 03:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		05/24/14 03:13	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		05/24/14 03:13	127-18-4	
Toluene	ND	ug/L	50.0	10		05/24/14 03:13	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		05/24/14 03:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		05/24/14 03:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		05/24/14 03:13	79-00-5	
Trichloroethene	18400	ug/L	1000	200		05/27/14 15:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		05/24/14 03:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		05/24/14 03:13	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		05/24/14 03:13	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0622-S1(051314)		Lab ID: 5097624016	Collected: 05/13/14 11:35	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	100	10		05/24/14 03:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	10		05/24/14 03:13	1868-53-7	D4
4-Bromofluorobenzene (S)	103	%.	80-114	10		05/24/14 03:13	460-00-4	
Toluene-d8 (S)	102	%.	81-110	10		05/24/14 03:13	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: FD-2(051314)		Lab ID: 5097624017	Collected: 05/13/14 08:00	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	1000	10		05/24/14 04:18	67-64-1	
Benzene	ND	ug/L	50.0	10		05/24/14 04:18	71-43-2	1d
Bromodichloromethane	ND	ug/L	50.0	10		05/24/14 04:18	75-27-4	
Bromoform	ND	ug/L	50.0	10		05/24/14 04:18	75-25-2	
Bromomethane	ND	ug/L	50.0	10		05/24/14 04:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		05/24/14 04:18	78-93-3	
Carbon disulfide	ND	ug/L	100	10		05/24/14 04:18	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		05/24/14 04:18	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		05/24/14 04:18	108-90-7	
Chloroethane	ND	ug/L	50.0	10		05/24/14 04:18	75-00-3	
Chloroform	ND	ug/L	50.0	10		05/24/14 04:18	67-66-3	
Chloromethane	ND	ug/L	50.0	10		05/24/14 04:18	74-87-3	
Cyclohexane	ND	ug/L	1000	10		05/24/14 04:18	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		05/24/14 04:18	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		05/24/14 04:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		05/24/14 04:18	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		05/24/14 04:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		05/24/14 04:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		05/24/14 04:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		05/24/14 04:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		05/24/14 04:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		05/24/14 04:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		05/24/14 04:18	75-35-4	
cis-1,2-Dichloroethene	2660	ug/L	50.0	10		05/24/14 04:18	156-59-2	
trans-1,2-Dichloroethene	28.8J	ug/L	50.0	10		05/24/14 04:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		05/24/14 04:18	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		05/24/14 04:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		05/24/14 04:18	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		05/24/14 04:18	100-41-4	
2-Hexanone	ND	ug/L	250	10		05/24/14 04:18	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		05/24/14 04:18	98-82-8	
Methyl acetate	ND	ug/L	500	10		05/24/14 04:18	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		05/24/14 04:18	108-87-2	N2
Methylene Chloride	ND	ug/L	50.0	10		05/24/14 04:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		05/24/14 04:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		05/24/14 04:18	1634-04-4	
Styrene	ND	ug/L	50.0	10		05/24/14 04:18	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		05/24/14 04:18	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		05/24/14 04:18	127-18-4	
Toluene	ND	ug/L	50.0	10		05/24/14 04:18	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		05/24/14 04:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		05/24/14 04:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		05/24/14 04:18	79-00-5	
Trichloroethene	22700	ug/L	500	100		05/24/14 04:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		05/24/14 04:18	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		05/24/14 04:18	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		05/24/14 04:18	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: FD-2(051314)		Lab ID: 5097624017	Collected: 05/13/14 08:00	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		100	10		05/24/14 04:18	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100 %.		79-116	10		05/24/14 04:18	1868-53-7	D4
4-Bromofluorobenzene (S)	98 %.		80-114	10		05/24/14 04:18	460-00-4	
Toluene-d8 (S)	99 %.		81-110	10		05/24/14 04:18	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0620-S1(051314)		Lab ID: 5097624018	Collected: 05/13/14 11:45	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		05/27/14 02:54	67-64-1	
Benzene	ND	ug/L	5.0	1		05/27/14 02:54	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/27/14 02:54	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/27/14 02:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/27/14 02:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/27/14 02:54	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/27/14 02:54	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/27/14 02:54	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/27/14 02:54	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/27/14 02:54	75-00-3	
Chloroform	7.7	ug/L	5.0	1		05/27/14 02:54	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/27/14 02:54	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/27/14 02:54	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/27/14 02:54	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/27/14 02:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/27/14 02:54	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/27/14 02:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/27/14 02:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/27/14 02:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/27/14 02:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/27/14 02:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/27/14 02:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/27/14 02:54	75-35-4	
cis-1,2-Dichloroethene	167	ug/L	125	25		05/27/14 03:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/27/14 02:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/27/14 02:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/27/14 02:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/27/14 02:54	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/27/14 02:54	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/27/14 02:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/27/14 02:54	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/27/14 02:54	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/27/14 02:54	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/27/14 02:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/27/14 02:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/27/14 02:54	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/27/14 02:54	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/27/14 02:54	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/27/14 02:54	127-18-4	
Toluene	ND	ug/L	5.0	1		05/27/14 02:54	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/27/14 02:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/27/14 02:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/27/14 02:54	79-00-5	
Trichloroethene	5770	ug/L	500	100		05/27/14 16:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/27/14 02:54	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/27/14 02:54	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/27/14 02:54	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0620-S1(051314)		Lab ID: 5097624018	Collected: 05/13/14 11:45	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/27/14 02:54	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104 %.		79-116	1		05/27/14 02:54	1868-53-7	
4-Bromofluorobenzene (S)	93 %.		80-114	1		05/27/14 02:54	460-00-4	
Toluene-d8 (S)	97 %.		81-110	1		05/27/14 02:54	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0101-S1U(051314)		Lab ID: 5097624019	Collected: 05/13/14 12:05	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	1000	10		05/26/14 16:08	67-64-1	
Benzene	ND	ug/L	50.0	10		05/26/14 16:08	71-43-2	2d
Bromodichloromethane	ND	ug/L	50.0	10		05/26/14 16:08	75-27-4	
Bromoform	ND	ug/L	50.0	10		05/26/14 16:08	75-25-2	
Bromomethane	ND	ug/L	50.0	10		05/26/14 16:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		05/26/14 16:08	78-93-3	
Carbon disulfide	ND	ug/L	100	10		05/26/14 16:08	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		05/26/14 16:08	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		05/26/14 16:08	108-90-7	
Chloroethane	ND	ug/L	50.0	10		05/26/14 16:08	75-00-3	
Chloroform	ND	ug/L	50.0	10		05/26/14 16:08	67-66-3	
Chloromethane	ND	ug/L	50.0	10		05/26/14 16:08	74-87-3	
Cyclohexane	ND	ug/L	1000	10		05/26/14 16:08	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		05/26/14 16:08	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		05/26/14 16:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		05/26/14 16:08	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		05/26/14 16:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		05/26/14 16:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		05/26/14 16:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		05/26/14 16:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		05/26/14 16:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		05/26/14 16:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		05/26/14 16:08	75-35-4	
cis-1,2-Dichloroethene	1240	ug/L	50.0	10		05/26/14 16:08	156-59-2	
trans-1,2-Dichloroethene	49.03	ug/L	50.0	10		05/26/14 16:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		05/26/14 16:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		05/26/14 16:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		05/26/14 16:08	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		05/26/14 16:08	100-41-4	
2-Hexanone	ND	ug/L	250	10		05/26/14 16:08	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		05/26/14 16:08	98-82-8	
Methyl acetate	ND	ug/L	500	10		05/26/14 16:08	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		05/26/14 16:08	108-87-2	N2
Methylene Chloride	ND	ug/L	50.0	10		05/26/14 16:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		05/26/14 16:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		05/26/14 16:08	1634-04-4	
Styrene	ND	ug/L	50.0	10		05/26/14 16:08	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		05/26/14 16:08	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		05/26/14 16:08	127-18-4	
Toluene	ND	ug/L	50.0	10		05/26/14 16:08	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		05/26/14 16:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		05/26/14 16:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		05/26/14 16:08	79-00-5	
Trichloroethene	11200	ug/L	500	100		05/27/14 16:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		05/26/14 16:08	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		05/26/14 16:08	76-13-1	
Vinyl chloride	50.0	ug/L	20.0	10		05/26/14 16:08	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0101-S1U(051314)		Lab ID: 5097624019	Collected: 05/13/14 12:05	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		100	10		05/26/14 16:08	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101 %.		79-116	10		05/26/14 16:08	1868-53-7	D4
4-Bromofluorobenzene (S)	95 %.		80-114	10		05/26/14 16:08	460-00-4	
Toluene-d8 (S)	100 %.		81-110	10		05/26/14 16:08	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0502-S1(051314)		Lab ID: 5097624020	Collected: 05/13/14 12:10	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/26/14 15:03	67-64-1	
Benzene	ND ug/L		5.0	1		05/26/14 15:03	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/26/14 15:03	75-27-4	
Bromoform	ND ug/L		5.0	1		05/26/14 15:03	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/26/14 15:03	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/26/14 15:03	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/26/14 15:03	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/26/14 15:03	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/26/14 15:03	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/26/14 15:03	75-00-3	
Chloroform	ND ug/L		5.0	1		05/26/14 15:03	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/26/14 15:03	74-87-3	
Cyclohexane	ND ug/L		100	1		05/26/14 15:03	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/26/14 15:03	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/26/14 15:03	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/26/14 15:03	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/26/14 15:03	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/26/14 15:03	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/26/14 15:03	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/26/14 15:03	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/26/14 15:03	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/26/14 15:03	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/26/14 15:03	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/26/14 15:03	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/26/14 15:03	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/26/14 15:03	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/26/14 15:03	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/26/14 15:03	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/26/14 15:03	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/26/14 15:03	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/26/14 15:03	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/26/14 15:03	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/26/14 15:03	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/26/14 15:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/26/14 15:03	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/26/14 15:03	1634-04-4	
Styrene	ND ug/L		5.0	1		05/26/14 15:03	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/26/14 15:03	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/26/14 15:03	127-18-4	
Toluene	ND ug/L		5.0	1		05/26/14 15:03	108-88-3	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		05/26/14 15:03	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/26/14 15:03	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/26/14 15:03	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/26/14 15:03	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/26/14 15:03	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/26/14 15:03	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/26/14 15:03	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0502-S1(051314)		Lab ID: 5097624020		Collected: 05/13/14 12:10		Received: 05/13/14 15:01		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/26/14 15:03	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		102	%.	79-116	1		05/26/14 15:03	1868-53-7	
4-Bromofluorobenzene (S)		101	%.	80-114	1		05/26/14 15:03	460-00-4	
Toluene-d8 (S)		100	%.	81-110	1		05/26/14 15:03	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0605-S1(051314)		Lab ID: 5097624021	Collected: 05/13/14 12:20	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	50.2J	ug/L	100	1		05/27/14 00:45	67-64-1	
Benzene	ND	ug/L	5.0	1		05/27/14 00:45	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/27/14 00:45	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/27/14 00:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/27/14 00:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/27/14 00:45	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/27/14 00:45	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/27/14 00:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/27/14 00:45	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/27/14 00:45	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/27/14 00:45	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/27/14 00:45	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/27/14 00:45	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/27/14 00:45	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/27/14 00:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/27/14 00:45	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/27/14 00:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/27/14 00:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/27/14 00:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/27/14 00:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/27/14 00:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/27/14 00:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/27/14 00:45	75-35-4	
cis-1,2-Dichloroethene	14.1	ug/L	5.0	1		05/27/14 00:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/27/14 00:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/27/14 00:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/27/14 00:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/27/14 00:45	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/27/14 00:45	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/27/14 00:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/27/14 00:45	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/27/14 00:45	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/27/14 00:45	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/27/14 00:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/27/14 00:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/27/14 00:45	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/27/14 00:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/27/14 00:45	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/27/14 00:45	127-18-4	
Toluene	ND	ug/L	5.0	1		05/27/14 00:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/27/14 00:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/27/14 00:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/27/14 00:45	79-00-5	
Trichloroethene	2630	ug/L	125	25		05/27/14 01:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/27/14 00:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/27/14 00:45	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/27/14 00:45	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0605-S1(051314)		Lab ID: 5097624021	Collected: 05/13/14 12:20	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		05/27/14 00:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	79-116	1		05/27/14 00:45	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		05/27/14 00:45	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		05/27/14 00:45	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: FD-1(051314)		Lab ID: 5097624022	Collected: 05/13/14 08:00	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	1000	10		05/27/14 01:50	67-64-1	
Benzene	ND	ug/L	50.0	10		05/27/14 01:50	71-43-2	2d
Bromodichloromethane	ND	ug/L	50.0	10		05/27/14 01:50	75-27-4	
Bromoform	ND	ug/L	50.0	10		05/27/14 01:50	75-25-2	
Bromomethane	ND	ug/L	50.0	10		05/27/14 01:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		05/27/14 01:50	78-93-3	
Carbon disulfide	ND	ug/L	100	10		05/27/14 01:50	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		05/27/14 01:50	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		05/27/14 01:50	108-90-7	
Chloroethane	ND	ug/L	50.0	10		05/27/14 01:50	75-00-3	
Chloroform	ND	ug/L	50.0	10		05/27/14 01:50	67-66-3	
Chloromethane	ND	ug/L	50.0	10		05/27/14 01:50	74-87-3	
Cyclohexane	ND	ug/L	1000	10		05/27/14 01:50	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		05/27/14 01:50	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		05/27/14 01:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		05/27/14 01:50	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		05/27/14 01:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		05/27/14 01:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		05/27/14 01:50	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		05/27/14 01:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		05/27/14 01:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		05/27/14 01:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		05/27/14 01:50	75-35-4	
cis-1,2-Dichloroethene	505	ug/L	50.0	10		05/27/14 01:50	156-59-2	
trans-1,2-Dichloroethene	58.6	ug/L	50.0	10		05/27/14 01:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		05/27/14 01:50	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		05/27/14 01:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		05/27/14 01:50	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		05/27/14 01:50	100-41-4	
2-Hexanone	ND	ug/L	250	10		05/27/14 01:50	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		05/27/14 01:50	98-82-8	
Methyl acetate	ND	ug/L	500	10		05/27/14 01:50	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		05/27/14 01:50	108-87-2	N2
Methylene Chloride	ND	ug/L	50.0	10		05/27/14 01:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		05/27/14 01:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		05/27/14 01:50	1634-04-4	
Styrene	ND	ug/L	50.0	10		05/27/14 01:50	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		05/27/14 01:50	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		05/27/14 01:50	127-18-4	
Toluene	ND	ug/L	50.0	10		05/27/14 01:50	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		05/27/14 01:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		05/27/14 01:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		05/27/14 01:50	79-00-5	
Trichloroethene	4240	ug/L	500	100		05/27/14 02:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		05/27/14 01:50	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		05/27/14 01:50	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		05/27/14 01:50	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: FD-1(051314)		Lab ID: 5097624022	Collected: 05/13/14 08:00	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		100	10		05/27/14 01:50	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104 %.		79-116	10		05/27/14 01:50	1868-53-7	D4
4-Bromofluorobenzene (S)	95 %.		80-114	10		05/27/14 01:50	460-00-4	
Toluene-d8 (S)	100 %.		81-110	10		05/27/14 01:50	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0517-S1(051314)		Lab ID: 5097624023	Collected: 05/13/14 12:50	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	55.9J	ug/L	100	1		05/26/14 20:59	67-64-1	
Benzene	1.1J	ug/L	5.0	1		05/26/14 20:59	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/26/14 20:59	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/26/14 20:59	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/26/14 20:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/26/14 20:59	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/26/14 20:59	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/26/14 20:59	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/26/14 20:59	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/26/14 20:59	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/26/14 20:59	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/26/14 20:59	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/26/14 20:59	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/26/14 20:59	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/26/14 20:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/26/14 20:59	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/26/14 20:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/26/14 20:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/26/14 20:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/26/14 20:59	75-71-8	
1,1-Dichloroethane	4.3J	ug/L	5.0	1		05/26/14 20:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/26/14 20:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/26/14 20:59	75-35-4	
cis-1,2-Dichloroethene	582	ug/L	125	25		05/26/14 21:31	156-59-2	
trans-1,2-Dichloroethene	84.5	ug/L	5.0	1		05/26/14 20:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/26/14 20:59	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/26/14 20:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/26/14 20:59	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/26/14 20:59	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/26/14 20:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/26/14 20:59	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/26/14 20:59	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/26/14 20:59	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/26/14 20:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/26/14 20:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/26/14 20:59	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/26/14 20:59	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/26/14 20:59	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/26/14 20:59	127-18-4	
Toluene	ND	ug/L	5.0	1		05/26/14 20:59	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/26/14 20:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/26/14 20:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/26/14 20:59	79-00-5	
Trichloroethene	2830	ug/L	250	50		05/27/14 16:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/26/14 20:59	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/26/14 20:59	76-13-1	
Vinyl chloride	2.7	ug/L	2.0	1		05/26/14 20:59	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0517-S1(051314)		Lab ID: 5097624023		Collected: 05/13/14 12:50		Received: 05/13/14 15:01		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/26/14 20:59	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		98	%.	79-116	1		05/26/14 20:59	1868-53-7	
4-Bromofluorobenzene (S)		92	%.	80-114	1		05/26/14 20:59	460-00-4	
Toluene-d8 (S)		100	%.	81-110	1		05/26/14 20:59	2037-26-5	

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

QC Batch: MSV/64999

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 5097624003

METHOD BLANK: 1098592

Matrix: Water

Associated Lab Samples: 5097624003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	05/22/14 23:45	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/22/14 23:45	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/22/14 23:45	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	05/22/14 23:45	
1,1-Dichloroethane	ug/L	ND	5.0	05/22/14 23:45	
1,1-Dichloroethene	ug/L	ND	5.0	05/22/14 23:45	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	05/22/14 23:45	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	05/22/14 23:45	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	05/22/14 23:45	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/22/14 23:45	
1,2-Dichloroethane	ug/L	ND	5.0	05/22/14 23:45	
1,2-Dichloropropane	ug/L	ND	5.0	05/22/14 23:45	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/22/14 23:45	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/22/14 23:45	
2-Butanone (MEK)	ug/L	ND	25.0	05/22/14 23:45	
2-Hexanone	ug/L	ND	25.0	05/22/14 23:45	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	05/22/14 23:45	
Acetone	ug/L	ND	100	05/22/14 23:45	
Benzene	ug/L	ND	5.0	05/22/14 23:45	
Bromodichloromethane	ug/L	ND	5.0	05/22/14 23:45	
Bromoform	ug/L	ND	5.0	05/22/14 23:45	
Bromomethane	ug/L	ND	5.0	05/22/14 23:45	
Carbon disulfide	ug/L	ND	10.0	05/22/14 23:45	
Carbon tetrachloride	ug/L	ND	5.0	05/22/14 23:45	
Chlorobenzene	ug/L	ND	5.0	05/22/14 23:45	
Chloroethane	ug/L	ND	5.0	05/22/14 23:45	
Chloroform	ug/L	ND	5.0	05/22/14 23:45	
Chloromethane	ug/L	ND	5.0	05/22/14 23:45	
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/22/14 23:45	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/22/14 23:45	
Cyclohexane	ug/L	ND	100	05/22/14 23:45	N2
Dibromochloromethane	ug/L	ND	5.0	05/22/14 23:45	
Dichlorodifluoromethane	ug/L	ND	5.0	05/22/14 23:45	
Ethylbenzene	ug/L	ND	5.0	05/22/14 23:45	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	05/22/14 23:45	
Methyl acetate	ug/L	ND	50.0	05/22/14 23:45	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	05/22/14 23:45	
Methylcyclohexane	ug/L	ND	50.0	05/22/14 23:45	N2
Methylene Chloride	ug/L	ND	5.0	05/22/14 23:45	
Styrene	ug/L	ND	5.0	05/22/14 23:45	
Tetrachloroethene	ug/L	ND	5.0	05/22/14 23:45	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

METHOD BLANK: 1098592

Matrix: Water

Associated Lab Samples: 5097624003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	05/22/14 23:45	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/22/14 23:45	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/22/14 23:45	
Trichloroethene	ug/L	ND	5.0	05/22/14 23:45	
Trichlorofluoromethane	ug/L	ND	5.0	05/22/14 23:45	
Vinyl chloride	ug/L	ND	2.0	05/22/14 23:45	
Xylene (Total)	ug/L	ND	10.0	05/22/14 23:45	
4-Bromofluorobenzene (S)	%	92	80-114	05/22/14 23:45	
Dibromofluoromethane (S)	%	98	79-116	05/22/14 23:45	
Toluene-d8 (S)	%	100	81-110	05/22/14 23:45	

LABORATORY CONTROL SAMPLE: 1098593

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	42.2	84	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	45.8	92	66-126	
1,1,2-Trichloroethane	ug/L	50	45.6	91	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	45.4	91	68-139	
1,1-Dichloroethane	ug/L	50	44.4	89	75-130	
1,1-Dichloroethene	ug/L	50	43.0	86	68-127	
1,2,4-Trichlorobenzene	ug/L	50	44.7	89	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	41.9	84	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	45.4	91	76-125	
1,2-Dichlorobenzene	ug/L	50	45.7	91	75-123	
1,2-Dichloroethane	ug/L	50	43.4	87	75-128	
1,2-Dichloropropane	ug/L	50	43.5	87	74-121	
1,3-Dichlorobenzene	ug/L	50	45.0	90	74-122	
1,4-Dichlorobenzene	ug/L	50	44.1	88	76-120	
2-Butanone (MEK)	ug/L	250	227	91	58-139	
2-Hexanone	ug/L	250	237	95	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	217	87	58-138	
Acetone	ug/L	250	232	93	49-150	
Benzene	ug/L	50	46.3	93	74-122	
Bromodichloromethane	ug/L	50	43.8	88	62-136	
Bromoform	ug/L	50	44.6	89	44-134	
Bromomethane	ug/L	50	54.0	108	22-181	
Carbon disulfide	ug/L	100	86.5	86	59-132	
Carbon tetrachloride	ug/L	50	43.2	86	56-137	
Chlorobenzene	ug/L	50	45.3	91	78-123	
Chloroethane	ug/L	50	47.0	94	60-144	
Chloroform	ug/L	50	44.0	88	78-126	
Chloromethane	ug/L	50	48.0	96	42-134	
cis-1,2-Dichloroethene	ug/L	50	42.9	86	75-122	
cis-1,3-Dichloropropene	ug/L	50	40.4	81	64-126	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

LABORATORY CONTROL SAMPLE: 1098593

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	ND	91	62-119	N2
Dibromochloromethane	ug/L	50	47.7	95	58-128	
Dichlorodifluoromethane	ug/L	50	49.5	99	35-181	
Ethylbenzene	ug/L	50	40.1	80	66-133	
Isopropylbenzene (Cumene)	ug/L	50	45.9	92	69-124	
Methyl acetate	ug/L	50	49.9J	100	10-142	N2
Methyl-tert-butyl ether	ug/L	100	91.5	91	69-122	
Methylcyclohexane	ug/L	50	43.6J	87	63-130	N2
Methylene Chloride	ug/L	50	41.5	83	68-132	
Styrene	ug/L	50	50.1	100	74-126	
Tetrachloroethene	ug/L	50	41.8	84	69-130	
Toluene	ug/L	50	46.2	92	72-122	
trans-1,2-Dichloroethene	ug/L	50	44.4	89	72-124	
trans-1,3-Dichloropropene	ug/L	50	40.9	82	64-121	
Trichloroethene	ug/L	50	43.2	86	76-126	
Trichlorofluoromethane	ug/L	50	48.7	97	76-149	
Vinyl chloride	ug/L	50	45.7	91	59-126	
Xylene (Total)	ug/L	150	132	88	70-124	
4-Bromofluorobenzene (S)	%			106	80-114	
Dibromofluoromethane (S)	%			101	79-116	
Toluene-d8 (S)	%			101	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1096808 1096809

Parameter	Units	5097777012 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
			Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/L	ND	50	50	43.8	45.4	88	91	60-138	4	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	46.0	44.0	92	88	55-128	4	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	45.1	44.9	90	90	61-139	1	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	44.6	47.4	89	95	55-151	6	20	
1,1-Dichloroethane	ug/L	ND	50	50	47.4	49.6	94	99	57-147	5	20	
1,1-Dichloroethene	ug/L	ND	50	50	43.4	45.4	87	91	55-145	4	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	46.4	48.9	93	98	25-143	5	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	42.7	40.2	85	80	37-130	6	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	43.5	42.8	87	86	63-129	2	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	46.3	47.4	93	95	38-136	2	20	
1,2-Dichloroethane	ug/L	ND	50	50	43.0	44.4	86	89	62-138	3	20	
1,2-Dichloropropane	ug/L	ND	50	50	43.5	45.3	87	91	59-130	4	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	44.8	46.8	90	94	28-141	4	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	44.8	46.7	90	93	30-139	4	20	
2-Butanone (MEK)	ug/L	ND	250	250	220	213	88	85	37-156	3	20	
2-Hexanone	ug/L	ND	250	250	223	206	89	82	44-143	8	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	204	189	81	76	46-144	7	20	
Acetone	ug/L	ND	250	250	229	218	91	87	39-156	5	20	
Benzene	ug/L	ND	50	50	46.4	58.2	93	116	62-129	23	20	R1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1096808 1096809											
Parameter	Units	5097777012		MS	MSD	MS		MSD	% Rec	Max	
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	RPD
Bromodichloromethane	ug/L	ND	50	50	50	45.0	45.5	90	91	50-142	1 20
Bromoform	ug/L	ND	50	50	50	44.4	43.0	89	86	36-125	3 20
Bromomethane	ug/L	ND	50	50	50	49.1	51.4	98	103	13-179	5 20
Carbon disulfide	ug/L	ND	100	100	100	86.7	90.6	87	91	45-142	4 20
Carbon tetrachloride	ug/L	ND	50	50	50	44.9	43.9	90	88	46-142	2 20
Chlorobenzene	ug/L	ND	50	50	50	44.9	45.6	90	91	49-136	2 20
Chloroethane	ug/L	ND	50	50	50	46.5	47.3	93	95	47-160	2 20
Chloroform	ug/L	ND	50	50	50	44.4	45.7	89	91	54-150	3 20
Chloromethane	ug/L	ND	50	50	50	46.2	45.3	92	91	30-148	2 20
cis-1,2-Dichloroethene	ug/L	ND	50	50	50	47.3	49.2	87	91	60-135	4 20
cis-1,3-Dichloropropene	ug/L	ND	50	50	50	37.2	37.7	74	75	52-123	1 20
Cyclohexane	ug/L	ND	50	50	50	ND	50.6J	96	101	43-135	20 N2
Dibromochloromethane	ug/L	ND	50	50	50	47.1	45.0	94	90	48-125	5 20
Dichlorodifluoromethane	ug/L	ND	50	50	50	42.9	44.9	86	90	24-197	5 20
Ethylbenzene	ug/L	ND	50	50	50	40.1	41.2	80	82	28-153	3 20
Isopropylbenzene (Cumene)	ug/L	ND	50	50	50	47.9	48.4	96	97	18-152	1 20
Methyl acetate	ug/L	ND	50	50	50	42.5J	42.8J	85	86	10-125	20 N2
Methyl-tert-butyl ether	ug/L	ND	100	100	100	85.4	86.2	85	86	63-130	1 20
Methylcyclohexane	ug/L	ND	50	50	50	46.6J	49.1J	93	98	32-155	20 N2
Methylene Chloride	ug/L	ND	50	50	50	40.9	42.6	82	85	45-156	4 20
Styrene	ug/L	ND	50	50	50	48.3	48.9	97	98	36-139	1 20
Tetrachloroethene	ug/L	ND	50	50	50	42.2	44.2	82	86	33-151	5 20
Toluene	ug/L	ND	50	50	50	45.3	46.2	91	92	50-132	2 20
trans-1,2-Dichloroethene	ug/L	ND	50	50	50	45.2	45.9	90	92	40-153	2 20
trans-1,3-Dichloropropene	ug/L	ND	50	50	50	37.4	36.3	75	73	48-122	3 20
Trichloroethene	ug/L	20.7	50	50	50	63.7	67.0	86	92	50-143	5 20
Trichlorofluoromethane	ug/L	ND	50	50	50	47.3	48.8	95	98	60-175	3 20
Vinyl chloride	ug/L	ND	50	50	50	44.3	44.0	89	88	44-145	1 20
Xylene (Total)	ug/L	ND	150	150	150	132	135	88	90	29-145	2 20
4-Bromofluorobenzene (S)	%							108	104	80-114	
Dibromofluoromethane (S)	%							107	105	79-116	
Toluene-d8 (S)	%							101	97	81-110	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

QC Batch: MSV/65042

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 5097624007, 5097624008, 5097624015, 5097624016, 5097624017

METHOD BLANK: 1099526

Matrix: Water

Associated Lab Samples: 5097624007, 5097624008, 5097624015, 5097624016, 5097624017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	05/23/14 23:59	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/23/14 23:59	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/23/14 23:59	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	05/23/14 23:59	
1,1-Dichloroethane	ug/L	ND	5.0	05/23/14 23:59	
1,1-Dichloroethene	ug/L	ND	5.0	05/23/14 23:59	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	05/23/14 23:59	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	05/23/14 23:59	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	05/23/14 23:59	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/23/14 23:59	
1,2-Dichloroethane	ug/L	ND	5.0	05/23/14 23:59	
1,2-Dichloropropane	ug/L	ND	5.0	05/23/14 23:59	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/23/14 23:59	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/23/14 23:59	
2-Butanone (MEK)	ug/L	ND	25.0	05/23/14 23:59	
2-Hexanone	ug/L	ND	25.0	05/23/14 23:59	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	05/23/14 23:59	
Acetone	ug/L	ND	100	05/23/14 23:59	
Benzene	ug/L	ND	5.0	05/23/14 23:59	
Bromodichloromethane	ug/L	ND	5.0	05/23/14 23:59	
Bromoform	ug/L	ND	5.0	05/23/14 23:59	
Bromomethane	ug/L	ND	5.0	05/23/14 23:59	
Carbon disulfide	ug/L	ND	10.0	05/23/14 23:59	
Carbon tetrachloride	ug/L	ND	5.0	05/23/14 23:59	
Chlorobenzene	ug/L	ND	5.0	05/23/14 23:59	
Chloroethane	ug/L	ND	5.0	05/23/14 23:59	
Chloroform	ug/L	ND	5.0	05/23/14 23:59	
Chloromethane	ug/L	ND	5.0	05/23/14 23:59	
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/23/14 23:59	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/23/14 23:59	
Cyclohexane	ug/L	ND	100	05/23/14 23:59	N2
Dibromochloromethane	ug/L	ND	5.0	05/23/14 23:59	
Dichlorodifluoromethane	ug/L	ND	5.0	05/23/14 23:59	
Ethylbenzene	ug/L	ND	5.0	05/23/14 23:59	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	05/23/14 23:59	
Methyl acetate	ug/L	ND	50.0	05/23/14 23:59	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	05/23/14 23:59	
Methylcyclohexane	ug/L	ND	50.0	05/23/14 23:59	N2
Methylene Chloride	ug/L	ND	5.0	05/23/14 23:59	
Styrene	ug/L	ND	5.0	05/23/14 23:59	
Tetrachloroethene	ug/L	ND	5.0	05/23/14 23:59	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

METHOD BLANK: 1099526

Matrix: Water

Associated Lab Samples: 5097624007, 5097624008, 5097624015, 5097624016, 5097624017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	05/23/14 23:59	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/23/14 23:59	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/23/14 23:59	
Trichloroethene	ug/L	ND	5.0	05/23/14 23:59	
Trichlorofluoromethane	ug/L	ND	5.0	05/23/14 23:59	
Vinyl chloride	ug/L	ND	2.0	05/23/14 23:59	
Xylene (Total)	ug/L	ND	10.0	05/23/14 23:59	
4-Bromofluorobenzene (S)	%	100	80-114	05/23/14 23:59	
Dibromofluoromethane (S)	%	103	79-116	05/23/14 23:59	
Toluene-d8 (S)	%	101	81-110	05/23/14 23:59	

LABORATORY CONTROL SAMPLE: 1099527

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.2	102	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	50.1	100	66-126	
1,1,2-Trichloroethane	ug/L	50	51.0	102	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	56.0	112	68-139	
1,1-Dichloroethane	ug/L	50	53.1	106	75-130	
1,1-Dichloroethene	ug/L	50	52.8	106	68-127	
1,2,4-Trichlorobenzene	ug/L	50	49.8	100	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	46.7	93	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	54.5	109	76-125	
1,2-Dichlorobenzene	ug/L	50	50.2	100	75-123	
1,2-Dichloroethane	ug/L	50	55.7	111	75-128	
1,2-Dichloropropane	ug/L	50	48.8	98	74-121	
1,3-Dichlorobenzene	ug/L	50	53.2	106	74-122	
1,4-Dichlorobenzene	ug/L	50	53.7	107	76-120	
2-Butanone (MEK)	ug/L	250	255	102	58-139	
2-Hexanone	ug/L	250	296	118	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	297	119	58-138	
Acetone	ug/L	250	268	107	49-150	
Benzene	ug/L	50	55.0	110	74-122	
Bromodichloromethane	ug/L	50	51.8	104	62-136	
Bromoform	ug/L	50	47.8	96	44-134	
Bromomethane	ug/L	50	39.8	80	22-181	
Carbon disulfide	ug/L	100	109	109	59-132	
Carbon tetrachloride	ug/L	50	51.6	103	56-137	
Chlorobenzene	ug/L	50	55.8	112	78-123	
Chloroethane	ug/L	50	50.3	101	60-144	
Chloroform	ug/L	50	53.9	108	78-126	
Chloromethane	ug/L	50	87.8	176	42-134 L3	
cis-1,2-Dichloroethene	ug/L	50	51.4	103	75-122	
cis-1,3-Dichloropropene	ug/L	50	46.8	94	64-126	

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

LABORATORY CONTROL SAMPLE: 1099527

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	53.7J	107	62-119	N2
Dibromochloromethane	ug/L	50	49.9	100	58-128	
Dichlorodifluoromethane	ug/L	50	57.5	115	35-181	
Ethylbenzene	ug/L	50	55.5	111	66-133	
Isopropylbenzene (Cumene)	ug/L	50	58.6	117	69-124	
Methyl acetate	ug/L	50	53.4	107	10-142	N2
Methyl-tert-butyl ether	ug/L	100	97.6	98	69-122	
Methylcyclohexane	ug/L	50	53.9	108	63-130	N2
Methylene Chloride	ug/L	50	51.4	103	68-132	
Styrene	ug/L	50	58.4	117	74-126	
Tetrachloroethene	ug/L	50	54.7	109	69-130	
Toluene	ug/L	50	55.9	112	72-122	
trans-1,2-Dichloroethene	ug/L	50	54.6	109	72-124	
trans-1,3-Dichloropropene	ug/L	50	46.9	94	64-121	
Trichloroethene	ug/L	50	50.6	101	76-126	
Trichlorofluoromethane	ug/L	50	58.5	117	76-149	
Vinyl chloride	ug/L	50	52.3	105	59-126	
Xylene (Total)	ug/L	150	177	118	70-124	
4-Bromofluorobenzene (S)	%			101	80-114	
Dibromofluoromethane (S)	%			108	79-116	
Toluene-d8 (S)	%			102	81-110	

MATRIX SPIKE SAMPLE: 1099528

Parameter	Units	5097624007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	46.6	93	60-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	43.1	86	55-128	
1,1,2-Trichloroethane	ug/L	ND	50	43.8	88	61-139	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	52.2	104	55-151	
1,1-Dichloroethane	ug/L	ND	50	49.1	98	57-147	
1,1-Dichloroethene	ug/L	ND	50	48.9	98	55-145	
1,2,4-Trichlorobenzene	ug/L	ND	50	48.3	97	25-143	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	39.2	78	37-130	
1,2-Dibromoethane (EDB)	ug/L	ND	50	47.2	94	63-129	
1,2-Dichlorobenzene	ug/L	ND	50	47.4	95	38-136	
1,2-Dichloroethane	ug/L	ND	50	47.7	95	62-138	
1,2-Dichloropropane	ug/L	ND	50	44.5	89	59-130	
1,3-Dichlorobenzene	ug/L	ND	50	49.4	99	28-141	
1,4-Dichlorobenzene	ug/L	ND	50	48.9	98	30-139	
2-Butanone (MEK)	ug/L	ND	250	205	82	37-156	
2-Hexanone	ug/L	ND	250	235	94	44-143	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	239	96	46-144	
Acetone	ug/L	ND	250	264	88	39-156	
Benzene	ug/L	ND	50	51.1	102	62-129	
Bromodichloromethane	ug/L	ND	50	45.9	92	50-142	

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

MATRIX SPIKE SAMPLE: 1099528		5097624007	Spike	MS	MS	% Rec	Qualifiers
Parameter	Units	Result	Conc.	Result	% Rec	Limits	
Bromoform	ug/L	ND	50	41.2	82	36-125	
Bromomethane	ug/L	ND	50	35.7	71	13-179	
Carbon disulfide	ug/L	ND	100	104	104	45-142	
Carbon tetrachloride	ug/L	ND	50	48.0	96	46-142	
Chlorobenzene	ug/L	ND	50	50.4	101	49-136	
Chloroethane	ug/L	ND	50	51.5	103	47-160	
Chloroform	ug/L	ND	50	49.7	99	54-150	
Chloromethane	ug/L	ND	50	77.3	155	30-148	M0
cis-1,2-Dichloroethene	ug/L	ND	50	48.8	98	60-135	
cis-1,3-Dichloropropene	ug/L	ND	50	41.3	83	52-123	
Cyclohexane	ug/L	ND	50	50.6J	101	43-135	N2
Dibromochloromethane	ug/L	ND	50	43.0	86	48-125	
Dichlorodifluoromethane	ug/L	ND	50	55.7	111	24-197	
Ethylbenzene	ug/L	ND	50	50.3	101	28-153	
Isopropylbenzene (Cumene)	ug/L	ND	50	53.8	108	18-152	
Methyl acetate	ug/L	ND	50	35.3J	71	10-125	N2
Methyl-tert-butyl ether	ug/L	ND	100	84.6	85	63-130	
Methylcyclohexane	ug/L	ND	50	51.0	102	32-155	N2
Methylene Chloride	ug/L	ND	50	47.7	95	45-156	
Styrene	ug/L	ND	50	51.9	104	36-139	
Tetrachloroethene	ug/L	ND	50	51.1	102	33-151	
Toluene	ug/L	ND	50	50.2	100	50-132	
trans-1,2-Dichloroethene	ug/L	ND	50	51.5	103	40-153	
trans-1,3-Dichloropropene	ug/L	ND	50	39.5	79	48-122	
Trichloroethene	ug/L	ND	50	46.9	94	50-143	
Trichlorofluoromethane	ug/L	ND	50	54.9	110	60-175	
Vinyl chloride	ug/L	ND	50	52.2	104	44-145	
Xylene (Total)	ug/L	ND	150	159	106	29-145	
4-Bromofluorobenzene (S)	%				101	80-114	
Dibromofluoromethane (S)	%				107	79-116	
Toluene-d8 (S)	%				102	81-110	

SAMPLE DUPLICATE: 1099529

Parameter	Units	5097624008	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
1,1,1-Trichloroethane	ug/L	ND	ND		20	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,2-Trichloroethane	ug/L	ND	ND		20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		20	
1,1-Dichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethene	ug/L	ND	ND		20	
1,2,4-Trichlorobenzene	ug/L	ND	ND		20	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		20	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1,2-Dichlorobenzene	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

SAMPLE DUPLICATE: 1099529

Parameter	Units	5097624008 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		20	
1,2-Dichloropropane	ug/L	ND	ND		20	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2-Butanone (MEK)	ug/L	ND	ND		20	
2-Hexanone	ug/L	ND	ND		20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		20	
Acetone	ug/L	ND	50.3J		20	
Benzene	ug/L	ND	ND		20	
Bromodichloromethane	ug/L	ND	ND		20	
Bromoform	ug/L	ND	ND		20	
Bromomethane	ug/L	ND	ND		20	
Carbon disulfide	ug/L	ND	ND		20	
Carbon tetrachloride	ug/L	ND	ND		20	
Chlorobenzene	ug/L	ND	ND		20	
Chloroethane	ug/L	ND	ND		20	
Chloroform	ug/L	ND	ND		20	
Chloromethane	ug/L	ND	ND		20	
cis-1,2-Dichloroethene	ug/L	ND	ND		20	
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Cyclohexane	ug/L	ND	ND		20	N2
Dibromochloromethane	ug/L	ND	ND		20	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Isopropylbenzene (Cumene)	ug/L	ND	ND		20	
Methyl acetate	ug/L	ND	ND		20	N2
Methyl-tert-butyl ether	ug/L	ND	ND		20	
Methylcyclohexane	ug/L	ND	ND		20	N2
Methylene Chloride	ug/L	ND	ND		20	
Styrene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	ND		20	
Toluene	ug/L	ND	ND		20	
trans-1,2-Dichloroethene	ug/L	ND	ND		20	
trans-1,3-Dichloropropene	ug/L	ND	ND		20	
Trichloroethene	ug/L	ND	ND		20	
Trichlorofluoromethane	ug/L	ND	ND		20	
Vinyl chloride	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%.	98	99	1		
Dibromofluoromethane (S)	%.	101	105	4		
Toluene-d8 (S)	%.	101	99	2		

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

QC Batch: MSV/65043 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5097624001, 5097624002, 5097624004, 5097624006, 5097624009, 5097624010, 5097624011, 5097624012, 5097624013, 5097624014

METHOD BLANK: 1099530 Matrix: Water
Associated Lab Samples: 5097624001, 5097624002, 5097624004, 5097624006, 5097624009, 5097624010, 5097624011, 5097624012, 5097624013, 5097624014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	05/23/14 15:39	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/23/14 15:39	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/23/14 15:39	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	05/23/14 15:39	
1,1-Dichloroethane	ug/L	ND	5.0	05/23/14 15:39	
1,1-Dichloroethene	ug/L	ND	5.0	05/23/14 15:39	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	05/23/14 15:39	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	05/23/14 15:39	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	05/23/14 15:39	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/23/14 15:39	
1,2-Dichloroethane	ug/L	ND	5.0	05/23/14 15:39	
1,2-Dichloropropane	ug/L	ND	5.0	05/23/14 15:39	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/23/14 15:39	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/23/14 15:39	
2-Butanone (MEK)	ug/L	ND	25.0	05/23/14 15:39	
2-Hexanone	ug/L	ND	25.0	05/23/14 15:39	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	05/23/14 15:39	
Acetone	ug/L	ND	100	05/23/14 15:39	
Benzene	ug/L	ND	5.0	05/23/14 15:39	
Bromodichloromethane	ug/L	ND	5.0	05/23/14 15:39	
Bromoform	ug/L	ND	5.0	05/23/14 15:39	
Bromomethane	ug/L	ND	5.0	05/23/14 15:39	
Carbon disulfide	ug/L	ND	10.0	05/23/14 15:39	
Carbon tetrachloride	ug/L	ND	5.0	05/23/14 15:39	
Chlorobenzene	ug/L	ND	5.0	05/23/14 15:39	
Chloroethane	ug/L	ND	5.0	05/23/14 15:39	
Chloroform	ug/L	ND	5.0	05/23/14 15:39	
Chloromethane	ug/L	ND	5.0	05/23/14 15:39	
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/23/14 15:39	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/23/14 15:39	
Cyclohexane	ug/L	ND	100	05/23/14 15:39	N2
Dibromochloromethane	ug/L	ND	5.0	05/23/14 15:39	
Dichlorodifluoromethane	ug/L	ND	5.0	05/23/14 15:39	
Ethylbenzene	ug/L	ND	5.0	05/23/14 15:39	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	05/23/14 15:39	
Methyl acetate	ug/L	ND	50.0	05/23/14 15:39	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	05/23/14 15:39	
Methylcyclohexane	ug/L	ND	50.0	05/23/14 15:39	N2
Methylene Chloride	ug/L	ND	5.0	05/23/14 15:39	
Styrene	ug/L	ND	5.0	05/23/14 15:39	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

METHOD BLANK: 1099530

Matrix: Water

Associated Lab Samples: 5097624001, 5097624002, 5097624004, 5097624006, 5097624009, 5097624010, 5097624011, 5097624012, 5097624013, 5097624014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	5.0	05/23/14 15:39	
Toluene	ug/L	ND	5.0	05/23/14 15:39	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/23/14 15:39	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/23/14 15:39	
Trichloroethene	ug/L	ND	5.0	05/23/14 15:39	
Trichlorofluoromethane	ug/L	ND	5.0	05/23/14 15:39	
Vinyl chloride	ug/L	ND	2.0	05/23/14 15:39	
Xylene (Total)	ug/L	ND	10.0	05/23/14 15:39	
4-Bromofluorobenzene (S)	%	87	80-114	05/23/14 15:39	
Dibromofluoromethane (S)	%	98	79-116	05/23/14 15:39	
Toluene-d8 (S)	%	99	81-110	05/23/14 15:39	

LABORATORY CONTROL SAMPLE: 1099531

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	46.0	92	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	47.1	94	66-126	
1,1,2-Trichloroethane	ug/L	50	46.3	93	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	49.3	99	68-139	
1,1-Dichloroethane	ug/L	50	48.9	98	75-130	
1,1-Dichloroethene	ug/L	50	44.8	90	68-127	
1,2,4-Trichlorobenzene	ug/L	50	53.3	107	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	43.2	86	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	45.9	92	76-125	
1,2-Dichlorobenzene	ug/L	50	50.6	101	75-123	
1,2-Dichloroethane	ug/L	50	44.4	89	75-128	
1,2-Dichloropropane	ug/L	50	45.3	91	74-121	
1,3-Dichlorobenzene	ug/L	50	49.5	99	74-122	
1,4-Dichlorobenzene	ug/L	50	50.4	101	76-120	
2-Butanone (MEK)	ug/L	250	220	88	58-139	
2-Hexanone	ug/L	250	219	87	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	204	81	58-138	
Acetone	ug/L	250	232	93	49-150	
Benzene	ug/L	50	48.9	98	74-122	
Bromodichloromethane	ug/L	50	46.8	94	62-136	
Bromoform	ug/L	50	48.1	96	44-134	
Bromomethane	ug/L	50	55.1	110	22-181	
Carbon disulfide	ug/L	100	92.3	92	59-132	
Carbon tetrachloride	ug/L	50	48.5	97	56-137	
Chlorobenzene	ug/L	50	48.6	97	78-123	
Chloroethane	ug/L	50	48.2	96	60-144	
Chloroform	ug/L	50	46.8	94	78-126	
Chloromethane	ug/L	50	51.2	102	42-134	

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

LABORATORY CONTROL SAMPLE: 1099531

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	50	45.1	90	75-122	
cis-1,3-Dichloropropene	ug/L	50	43.0	86	64-126	
Cyclohexane	ug/L	50	50.0J	100	62-119	N2
Dibromochloromethane	ug/L	50	49.9	100	58-128	
Dichlorodifluoromethane	ug/L	50	51.1	102	35-181	
Ethylbenzene	ug/L	50	43.2	86	66-133	
Isopropylbenzene (Cumene)	ug/L	50	49.4	99	69-124	
Methyl acetate	ug/L	50	47.8J	96	10-142	N2
Methyl-tert-butyl ether	ug/L	100	89.5	89	69-122	
Methylcyclohexane	ug/L	50	49.6J	99	63-130	N2
Methylene Chloride	ug/L	50	45.0	90	68-132	
Styrene	ug/L	50	52.0	104	74-126	
Tetrachloroethene	ug/L	50	46.4	93	69-130	
Toluene	ug/L	50	48.3	97	72-122	
trans-1,2-Dichloroethene	ug/L	50	46.2	92	72-124	
trans-1,3-Dichloropropene	ug/L	50	42.5	85	64-121	
Trichloroethene	ug/L	50	45.4	91	76-126	
Trichlorofluoromethane	ug/L	50	51.3	103	76-149	
Vinyl chloride	ug/L	50	46.6	93	59-126	
Xylene (Total)	ug/L	150	141	94	70-124	
4-Bromofluorobenzene (S)	%			107	80-114	
Dibromofluoromethane (S)	%			106	79-116	
Toluene-d8 (S)	%			99	81-110	

MATRIX SPIKE SAMPLE: 1099532

Parameter	Units	5097624001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	39.6	79	60-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	41.8	84	55-128	
1,1,2-Trichloroethane	ug/L	ND	50	40.5	81	61-139	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	43.9	88	55-151	
1,1-Dichloroethane	ug/L	ND	50	42.1	84	57-147	
1,1-Dichloroethene	ug/L	ND	50	40.7	81	55-145	
1,2,4-Trichlorobenzene	ug/L	ND	50	41.1	82	25-143	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	36.6	73	37-130	
1,2-Dibromoethane (EDB)	ug/L	ND	50	38.9	78	63-129	
1,2-Dichlorobenzene	ug/L	ND	50	42.3	85	38-136	
1,2-Dichloroethane	ug/L	ND	50	38.8	78	62-138	
1,2-Dichloropropane	ug/L	ND	50	38.8	78	59-130	
1,3-Dichlorobenzene	ug/L	ND	50	41.4	83	28-141	
1,4-Dichlorobenzene	ug/L	ND	50	40.5	81	30-139	
2-Butanone (MEK)	ug/L	ND	250	186	74	37-156	
2-Hexanone	ug/L	ND	250	198	79	44-143	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	182	73	46-144	
Acetone	ug/L	ND	250	246	79	39-156	

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

MATRIX SPIKE SAMPLE: 1099532		5097624001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Benzene	ug/L	ND	50	41.3	83	62-129	
Bromodichloromethane	ug/L	ND	50	38.4	77	50-142	
Bromoform	ug/L	ND	50	39.9	80	36-125	
Bromomethane	ug/L	ND	50	47.1	94	13-179	
Carbon disulfide	ug/L	ND	100	82.6	82	45-142	
Carbon tetrachloride	ug/L	ND	50	41.5	83	46-142	
Chlorobenzene	ug/L	ND	50	40.7	81	49-136	
Chloroethane	ug/L	ND	50	42.9	86	47-160	
Chloroform	ug/L	ND	50	39.8	80	54-150	
Chloromethane	ug/L	ND	50	44.4	89	30-148	
cis-1,2-Dichloroethene	ug/L	ND	50	40.2	77	60-135	
cis-1,3-Dichloropropene	ug/L	ND	50	35.6	71	52-123	
Cyclohexane	ug/L	ND	50	ND	89	43-135	N2
Dibromochloromethane	ug/L	ND	50	40.8	82	48-125	
Dichlorodifluoromethane	ug/L	ND	50	46.4	93	24-197	
Ethylbenzene	ug/L	ND	50	36.4	73	28-153	
Isopropylbenzene (Cumene)	ug/L	ND	50	42.4	85	18-152	
Methyl acetate	ug/L	ND	50	41.7J	83	10-125	N2
Methyl-tert-butyl ether	ug/L	ND	100	75.7	76	63-130	
Methylcyclohexane	ug/L	ND	50	43.9J	88	32-155	N2
Methylene Chloride	ug/L	ND	50	37.7	75	45-156	
Styrene	ug/L	ND	50	42.8	86	36-139	
Tetrachloroethene	ug/L	ND	50	40.8	82	33-151	
Toluene	ug/L	ND	50	41.8	84	50-132	
trans-1,2-Dichloroethene	ug/L	ND	50	42.2	84	40-153	
trans-1,3-Dichloropropene	ug/L	ND	50	34.1	68	48-122	
Trichloroethene	ug/L	ND	50	39.5	79	50-143	
Trichlorofluoromethane	ug/L	ND	50	47.5	95	60-175	
Vinyl chloride	ug/L	ND	50	43.2	86	44-145	
Xylene (Total)	ug/L	ND	150	120	80	29-145	
4-Bromofluorobenzene (S)	%				106	80-114	
Dibromofluoromethane (S)	%				104	79-116	
Toluene-d8 (S)	%				100	81-110	

SAMPLE DUPLICATE: 1099533

Parameter	Units	5097624002	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	ND		20	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,2-Trichloroethane	ug/L	ND	ND		20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		20	
1,1-Dichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethene	ug/L	ND	ND		20	
1,2,4-Trichlorobenzene	ug/L	ND	ND		20	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

SAMPLE DUPLICATE: 1099533

Parameter	Units	5097624002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1,2-Dichlorobenzene	ug/L	ND	ND		20	
1,2-Dichloroethane	ug/L	ND	ND		20	
1,2-Dichloropropane	ug/L	ND	ND		20	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2-Butanone (MEK)	ug/L	ND	ND		20	
2-Hexanone	ug/L	ND	ND		20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		20	
Acetone	ug/L	ND	ND		20	
Benzene	ug/L	ND	ND		20	
Bromodichloromethane	ug/L	ND	ND		20	
Bromoform	ug/L	ND	ND		20	
Bromomethane	ug/L	ND	ND		20	
Carbon disulfide	ug/L	ND	ND		20	
Carbon tetrachloride	ug/L	ND	ND		20	
Chlorobenzene	ug/L	ND	ND		20	
Chloroethane	ug/L	ND	ND		20	
Chloroform	ug/L	ND	ND		20	
Chloromethane	ug/L	ND	ND		20	
cis-1,2-Dichloroethene	ug/L	ND	ND		20	
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Cyclohexane	ug/L	ND	ND		20	N2
Dibromochloromethane	ug/L	ND	ND		20	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Isopropylbenzene (Cumene)	ug/L	ND	ND		20	
Methyl acetate	ug/L	ND	ND		20	N2
Methyl-tert-butyl ether	ug/L	ND	ND		20	
Methylcyclohexane	ug/L	ND	ND		20	N2
Methylene Chloride	ug/L	ND	ND		20	
Styrene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	ND		20	
Toluene	ug/L	ND	ND		20	
trans-1,2-Dichloroethene	ug/L	ND	ND		20	
trans-1,3-Dichloropropene	ug/L	ND	ND		20	
Trichloroethene	ug/L	ND	ND		20	
Trichlorofluoromethane	ug/L	ND	ND		20	
Vinyl chloride	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%	93	92	2		
Dibromofluoromethane (S)	%	98	100	2		
Toluene-d8 (S)	%	103	100	3		

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

QC Batch: MSV/65102 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5097624005, 5097624019, 5097624020, 5097624023

METHOD BLANK: 1100239 Matrix: Water
Associated Lab Samples: 5097624005, 5097624019, 5097624020, 5097624023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	05/26/14 12:20	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/26/14 12:20	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/26/14 12:20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	05/26/14 12:20	
1,1-Dichloroethane	ug/L	ND	5.0	05/26/14 12:20	
1,1-Dichloroethene	ug/L	ND	5.0	05/26/14 12:20	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	05/26/14 12:20	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	05/26/14 12:20	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	05/26/14 12:20	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/26/14 12:20	
1,2-Dichloroethane	ug/L	ND	5.0	05/26/14 12:20	
1,2-Dichloropropane	ug/L	ND	5.0	05/26/14 12:20	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/26/14 12:20	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/26/14 12:20	
2-Butanone (MEK)	ug/L	ND	25.0	05/26/14 12:20	
2-Hexanone	ug/L	ND	25.0	05/26/14 12:20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	05/26/14 12:20	
Acetone	ug/L	ND	100	05/26/14 12:20	
Benzene	ug/L	ND	5.0	05/26/14 12:20	
Bromodichloromethane	ug/L	ND	5.0	05/26/14 12:20	
Bromoform	ug/L	ND	5.0	05/26/14 12:20	
Bromomethane	ug/L	ND	5.0	05/26/14 12:20	
Carbon disulfide	ug/L	ND	10.0	05/26/14 12:20	
Carbon tetrachloride	ug/L	ND	5.0	05/26/14 12:20	
Chlorobenzene	ug/L	ND	5.0	05/26/14 12:20	
Chloroethane	ug/L	ND	5.0	05/26/14 12:20	
Chloroform	ug/L	ND	5.0	05/26/14 12:20	
Chloromethane	ug/L	ND	5.0	05/26/14 12:20	
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/26/14 12:20	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/26/14 12:20	
Cyclohexane	ug/L	ND	100	05/26/14 12:20	N2
Dibromochloromethane	ug/L	ND	5.0	05/26/14 12:20	
Dichlorodifluoromethane	ug/L	ND	5.0	05/26/14 12:20	
Ethylbenzene	ug/L	ND	5.0	05/26/14 12:20	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	05/26/14 12:20	
Methyl acetate	ug/L	ND	50.0	05/26/14 12:20	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	05/26/14 12:20	
Methylcyclohexane	ug/L	ND	50.0	05/26/14 12:20	N2
Methylene Chloride	ug/L	ND	5.0	05/26/14 12:20	
Styrene	ug/L	ND	5.0	05/26/14 12:20	
Tetrachloroethene	ug/L	ND	5.0	05/26/14 12:20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

METHOD BLANK: 1100239

Matrix: Water

Associated Lab Samples: 5097624005, 5097624019, 5097624020, 5097624023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	05/26/14 12:20	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/26/14 12:20	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/26/14 12:20	
Trichloroethene	ug/L	ND	5.0	05/26/14 12:20	
Trichlorofluoromethane	ug/L	ND	5.0	05/26/14 12:20	
Vinyl chloride	ug/L	ND	2.0	05/26/14 12:20	
Xylene (Total)	ug/L	ND	10.0	05/26/14 12:20	
4-Bromofluorobenzene (S)	%	96	80-114	05/26/14 12:20	
Dibromofluoromethane (S)	%	101	79-116	05/26/14 12:20	
Toluene-d8 (S)	%	101	81-110	05/26/14 12:20	

LABORATORY CONTROL SAMPLE: 1100240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.8	110	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	55.4	111	66-126	
1,1,2-Trichloroethane	ug/L	50	53.5	107	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	57.3	115	68-139	
1,1-Dichloroethane	ug/L	50	53.6	107	75-130	
1,1-Dichloroethene	ug/L	50	51.5	103	68-127	
1,2,4-Trichlorobenzene	ug/L	50	65.3	131	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	52.8	106	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	53.3	107	76-125	
1,2-Dichlorobenzene	ug/L	50	60.2	120	75-123	
1,2-Dichloroethane	ug/L	50	53.5	107	75-128	
1,2-Dichloropropane	ug/L	50	52.5	105	74-121	
1,3-Dichlorobenzene	ug/L	50	58.7	117	74-122	
1,4-Dichlorobenzene	ug/L	50	57.7	115	76-120	
2-Butanone (MEK)	ug/L	250	264	106	58-139	
2-Hexanone	ug/L	250	272	109	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	248	99	58-138	
Acetone	ug/L	250	278	111	49-150	
Benzene	ug/L	50	55.0	110	74-122	
Bromodichloromethane	ug/L	50	55.3	111	62-136	
Bromoform	ug/L	50	58.9	118	44-134	
Bromomethane	ug/L	50	43.3	87	22-181	
Carbon disulfide	ug/L	100	106	106	59-132	
Carbon tetrachloride	ug/L	50	58.8	118	56-137	
Chlorobenzene	ug/L	50	55.1	110	78-123	
Chloroethane	ug/L	50	55.2	110	60-144	
Chloroform	ug/L	50	54.0	108	78-126	
Chloromethane	ug/L	50	55.3	111	42-134	
cis-1,2-Dichloroethene	ug/L	50	51.1	102	75-122	
cis-1,3-Dichloropropene	ug/L	50	50.8	102	64-126	

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

LABORATORY CONTROL SAMPLE: 1100240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	57.1J	114	62-119	N2
Dibromochloromethane	ug/L	50	60.1	120	58-128	
Dichlorodifluoromethane	ug/L	50	57.8	116	35-181	
Ethylbenzene	ug/L	50	49.3	99	66-133	
Isopropylbenzene (Cumene)	ug/L	50	59.1	118	69-124	
Methyl acetate	ug/L	50	58.5	117	10-142	N2
Methyl-tert-butyl ether	ug/L	100	110	110	69-122	
Methylcyclohexane	ug/L	50	58.5	117	63-130	N2
Methylene Chloride	ug/L	50	52.6	105	68-132	
Styrene	ug/L	50	60.2	120	74-126	
Tetrachloroethene	ug/L	50	52.6	105	69-130	
Toluene	ug/L	50	54.8	110	72-122	
trans-1,2-Dichloroethene	ug/L	50	53.5	107	72-124	
trans-1,3-Dichloropropene	ug/L	50	51.4	103	64-121	
Trichloroethene	ug/L	50	52.6	105	76-126	
Trichlorofluoromethane	ug/L	50	60.2	120	76-149	
Vinyl chloride	ug/L	50	52.6	105	59-126	
Xylene (Total)	ug/L	150	162	108	70-124	
4-Bromofluorobenzene (S)	%			112	80-114	
Dibromofluoromethane (S)	%			105	79-116	
Toluene-d8 (S)	%			100	81-110	

MATRIX SPIKE SAMPLE: 1100242

Parameter	Units	5097624005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	39.7	79	60-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	39.1	78	55-128	
1,1,2-Trichloroethane	ug/L	ND	50	38.1	76	61-139	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	44.5	89	55-151	
1,1-Dichloroethane	ug/L	ND	50	41.3	83	57-147	
1,1-Dichloroethene	ug/L	ND	50	40.2	80	55-145	
1,2,4-Trichlorobenzene	ug/L	ND	50	40.7	81	25-143	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	32.5	65	37-130	
1,2-Dibromoethane (EDB)	ug/L	ND	50	37.1	74	63-129	
1,2-Dichlorobenzene	ug/L	ND	50	41.1	82	38-136	
1,2-Dichloroethane	ug/L	ND	50	39.6	79	62-138	
1,2-Dichloropropane	ug/L	ND	50	38.4	77	59-130	
1,3-Dichlorobenzene	ug/L	ND	50	40.5	81	28-141	
1,4-Dichlorobenzene	ug/L	ND	50	40.4	81	30-139	
2-Butanone (MEK)	ug/L	ND	250	174	70	37-156	
2-Hexanone	ug/L	ND	250	182	73	44-143	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	167	67	46-144	
Acetone	ug/L	ND	250	214	75	39-156	
Benzene	ug/L	1.6J	50	42.8	83	62-129	
Bromodichloromethane	ug/L	ND	50	39.4	79	50-142	

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

MATRIX SPIKE SAMPLE:		1100242					
Parameter	Units	5097624005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	ND	50	37.6	75	36-125	
Bromomethane	ug/L	ND	50	34.8	70	13-179	
Carbon disulfide	ug/L	ND	100	79.9	80	45-142	
Carbon tetrachloride	ug/L	ND	50	40.9	82	46-142	
Chlorobenzene	ug/L	ND	50	40.8	82	49-136	
Chloroethane	ug/L	ND	50	41.4	83	47-160	
Chloroform	ug/L	ND	50	40.2	80	54-150	
Chloromethane	ug/L	ND	50	39.0	78	30-148	
cis-1,2-Dichloroethene	ug/L	ND	50	38.0	76	60-135	
cis-1,3-Dichloropropene	ug/L	ND	50	34.5	69	52-123	
Cyclohexane	ug/L	ND	50	ND	88	43-135	N2
Dibromochloromethane	ug/L	ND	50	40.7	81	48-125	
Dichlorodifluoromethane	ug/L	ND	50	36.3	73	24-197	
Ethylbenzene	ug/L	ND	50	37.3	74	28-153	
Isopropylbenzene (Cumene)	ug/L	ND	50	43.8	88	18-152	
Methyl acetate	ug/L	ND	50	41.3J	83	10-125	N2
Methyl-tert-butyl ether	ug/L	ND	100	77.6	78	63-130	
Methylcyclohexane	ug/L	ND	50	44.2J	88	32-155	N2
Methylene Chloride	ug/L	ND	50	38.1	76	45-156	
Styrene	ug/L	ND	50	43.6	87	36-139	
Tetrachloroethene	ug/L	ND	50	40.1	80	33-151	
Toluene	ug/L	ND	50	41.5	83	50-132	
trans-1,2-Dichloroethene	ug/L	ND	50	40.8	82	40-153	
trans-1,3-Dichloropropene	ug/L	ND	50	33.4	67	48-122	
Trichloroethene	ug/L	ND	50	39.4	79	50-143	
Trichlorofluoromethane	ug/L	ND	50	46.5	93	60-175	
Vinyl chloride	ug/L	ND	50	39.5	79	44-145	
Xylene (Total)	ug/L	ND	150	120	80	29-145	
4-Bromofluorobenzene (S)	%				106	80-114	
Dibromofluoromethane (S)	%				107	79-116	
Toluene-d8 (S)	%				99	81-110	

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

QC Batch: MSV/65103

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 5097624018, 5097624021, 5097624022

METHOD BLANK: 1100243

Matrix: Water

Associated Lab Samples: 5097624018, 5097624021, 5097624022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	05/27/14 00:13	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/27/14 00:13	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/27/14 00:13	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	05/27/14 00:13	
1,1-Dichloroethane	ug/L	ND	5.0	05/27/14 00:13	
1,1-Dichloroethene	ug/L	ND	5.0	05/27/14 00:13	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	05/27/14 00:13	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	05/27/14 00:13	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	05/27/14 00:13	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/27/14 00:13	
1,2-Dichloroethane	ug/L	ND	5.0	05/27/14 00:13	
1,2-Dichloropropane	ug/L	ND	5.0	05/27/14 00:13	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/27/14 00:13	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/27/14 00:13	
2-Butanone (MEK)	ug/L	ND	25.0	05/27/14 00:13	
2-Hexanone	ug/L	ND	25.0	05/27/14 00:13	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	05/27/14 00:13	
Acetone	ug/L	ND	100	05/27/14 00:13	
Benzene	ug/L	ND	5.0	05/27/14 00:13	
Bromodichloromethane	ug/L	ND	5.0	05/27/14 00:13	
Bromoform	ug/L	ND	5.0	05/27/14 00:13	
Bromomethane	ug/L	ND	5.0	05/27/14 00:13	
Carbon disulfide	ug/L	ND	10.0	05/27/14 00:13	
Carbon tetrachloride	ug/L	ND	5.0	05/27/14 00:13	
Chlorobenzene	ug/L	ND	5.0	05/27/14 00:13	
Chloroethane	ug/L	ND	5.0	05/27/14 00:13	
Chloroform	ug/L	ND	5.0	05/27/14 00:13	
Chloromethane	ug/L	ND	5.0	05/27/14 00:13	
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/27/14 00:13	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/27/14 00:13	
Cyclohexane	ug/L	ND	100	05/27/14 00:13	N2
Dibromochloromethane	ug/L	ND	5.0	05/27/14 00:13	
Dichlorodifluoromethane	ug/L	ND	5.0	05/27/14 00:13	
Ethylbenzene	ug/L	ND	5.0	05/27/14 00:13	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	05/27/14 00:13	
Methyl acetate	ug/L	ND	50.0	05/27/14 00:13	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	05/27/14 00:13	
Methylcyclohexane	ug/L	ND	50.0	05/27/14 00:13	N2
Methylene Chloride	ug/L	ND	5.0	05/27/14 00:13	
Styrene	ug/L	ND	5.0	05/27/14 00:13	
Tetrachloroethene	ug/L	ND	5.0	05/27/14 00:13	

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

METHOD BLANK: 1100243

Matrix: Water

Associated Lab Samples: 5097624018, 5097624021, 5097624022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	05/27/14 00:13	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/27/14 00:13	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/27/14 00:13	
Trichloroethene	ug/L	ND	5.0	05/27/14 00:13	
Trichlorofluoromethane	ug/L	ND	5.0	05/27/14 00:13	
Vinyl chloride	ug/L	ND	2.0	05/27/14 00:13	
Xylene (Total)	ug/L	ND	10.0	05/27/14 00:13	
4-Bromofluorobenzene (S)	%	95	80-114	05/27/14 00:13	
Dibromofluoromethane (S)	%	102	79-116	05/27/14 00:13	
Toluene-d8 (S)	%	99	81-110	05/27/14 00:13	

LABORATORY CONTROL SAMPLE: 1100244

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.5	109	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	57.1	114	66-126	
1,1,2-Trichloroethane	ug/L	50	56.1	112	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	58.0	116	68-139	
1,1-Dichloroethane	ug/L	50	54.1	108	75-130	
1,1-Dichloroethene	ug/L	50	53.1	106	68-127	
1,2,4-Trichlorobenzene	ug/L	50	61.6	123	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	54.3	109	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	55.2	110	76-125	
1,2-Dichlorobenzene	ug/L	50	59.1	118	75-123	
1,2-Dichloroethane	ug/L	50	53.8	108	75-128	
1,2-Dichloropropane	ug/L	50	52.8	106	74-121	
1,3-Dichlorobenzene	ug/L	50	57.2	114	74-122	
1,4-Dichlorobenzene	ug/L	50	57.4	115	76-120	
2-Butanone (MEK)	ug/L	250	280	112	58-139	
2-Hexanone	ug/L	250	288	115	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	261	104	58-138	
Acetone	ug/L	250	296	118	49-150	
Benzene	ug/L	50	56.7	113	74-122	
Bromodichloromethane	ug/L	50	55.1	110	62-136	
Bromoform	ug/L	50	54.5	109	44-134	
Bromomethane	ug/L	50	49.9	100	22-181	
Carbon disulfide	ug/L	100	108	108	59-132	
Carbon tetrachloride	ug/L	50	56.9	114	56-137	
Chlorobenzene	ug/L	50	57.4	115	78-123	
Chloroethane	ug/L	50	58.0	116	60-144	
Chloroform	ug/L	50	53.8	108	78-126	
Chloromethane	ug/L	50	56.5	113	42-134	
cis-1,2-Dichloroethene	ug/L	50	52.9	106	75-122	
cis-1,3-Dichloropropene	ug/L	50	49.0	98	64-126	

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QUALITY CONTROL DATA

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

LABORATORY CONTROL SAMPLE: 1100244

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	57.2J	114	62-119	N2
Dibromochloromethane	ug/L	50	59.8	120	58-128	
Dichlorodifluoromethane	ug/L	50	58.3	117	35-181	
Ethylbenzene	ug/L	50	50.6	101	66-133	
Isopropylbenzene (Cumene)	ug/L	50	59.9	120	69-124	
Methyl acetate	ug/L	50	61.5	123	10-142	N2
Methyl-tert-butyl ether	ug/L	100	109	109	69-122	
Methylcyclohexane	ug/L	50	56.9	114	63-130	N2
Methylene Chloride	ug/L	50	53.0	106	68-132	
Styrene	ug/L	50	61.6	123	74-126	
Tetrachloroethene	ug/L	50	52.6	105	69-130	
Toluene	ug/L	50	56.6	113	72-122	
trans-1,2-Dichloroethene	ug/L	50	53.9	108	72-124	
trans-1,3-Dichloropropene	ug/L	50	48.1	96	64-121	
Trichloroethene	ug/L	50	54.8	110	76-126	
Trichlorofluoromethane	ug/L	50	62.3	125	76-149	
Vinyl chloride	ug/L	50	55.4	111	59-126	
Xylene (Total)	ug/L	150	166	111	70-124	
4-Bromofluorobenzene (S)	%			107	80-114	
Dibromofluoromethane (S)	%			105	79-116	
Toluene-d8 (S)	%			100	81-110	

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QUALIFIERS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1d	Benzene evaluated to 5 ug/L estimated RL. AMV 5/26/14
2d	Benzene evaluated to 5 ug/L estimated RL. AMV 5/27/14
D4	Sample was diluted due to the presence of high levels of target analytes.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
N2	The lab does not hold TNI accreditation for this parameter.
R1	RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5097624001	MW-0618-S1(051314)	EPA 8260	MSV/65043		
5097624002	MW-0613-S1(051314)	EPA 8260	MSV/65043		
5097624003	EB-2(051314)	EPA 8260	MSV/64999		
5097624004	TB-01(051314)_LM	EPA 8260	MSV/65043		
5097624005	MW-0607-S1(051314)	EPA 8260	MSV/65102		
5097624006	MW-0609-S1(051314)	EPA 8260	MSV/65043		
5097624007	MW-0610-S1(051314)	EPA 8260	MSV/65042		
5097624008	MW-0602-S1(051314)	EPA 8260	MSV/65042		
5097624009	MW-0705-S1(051314)	EPA 8260	MSV/65043		
5097624010	MW-0612-S1(051314)	EPA 8260	MSV/65043		
5097624011	MW-0608-S1(051314)	EPA 8260	MSV/65043		
5097624012	MW-0606-S1(051314)	EPA 8260	MSV/65043		
5097624013	MW-0704-S1(051314)	EPA 8260	MSV/65043		
5097624014	MW-0516-S1(051314)	EPA 8260	MSV/65043		
5097624015	MW-0603-S1(051314)	EPA 8260	MSV/65042		
5097624016	MW-0622-S1(051314)	EPA 8260	MSV/65042		
5097624017	FD-2(051314)	EPA 8260	MSV/65042		
5097624018	MW-0620-S1(051314)	EPA 8260	MSV/65103		
5097624019	MW-0101-S1U(051314)	EPA 8260	MSV/65102		
5097624020	MW-0502-S1(051314)	EPA 8260	MSV/65102		
5097624021	MW-0605-S1(051314)	EPA 8260	MSV/65103		
5097624022	FD-1(051314)	EPA 8260	MSV/65103		
5097624023	MW-0517-S1(051314)	EPA 8260	MSV/65102		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: ARCAS		Report To: WAL Fisher		Attention: 1686376	
Address: 132 E Washington St. Ste 600		Copy To: Matt Gries		Company Name: REGULATORY AGENCY	
Email To: Matt Gries		Purchase Order No.: 10000884-2014-0000		Address: NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ RORA ☐ OTHER ☐	
Phone: 317-231-6000		Project Name: GM Velco Plant		Site Location: PA	
Requested Due Date/TAT: Standard		Project Number: 10000884-2014-0000		Pace Profile #: 10000884-2014-0000	

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE Drinking Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Tissue TS Other OT	MATRIX CODE (see Vellid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test Y/N	Requested Analysis Filtered (Y/N)	Pace Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
					COMPOSITE START	COMPOSITE END/GRAB			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
1	MW-0618-51(051314)					DATE	TIME	DATE	TIME																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

Section E Additional Comments		Section F Relinquished By / Affiliation		Section G Accepted By / Affiliation		Section H Sample Conditions	
H.S. 5-13-14		WAL Fisher		Carli Reacock		5-13-14 15:01	
ORIGINAL 3:06		DATE SIGNED (MM/DD/YY): 05/13/14		DATE SIGNED (MM/DD/YY): 05/13/14		DATE SIGNED (MM/DD/YY): 05/13/14	
PRINT Name of SAMPLER: Luke Math		SIGNATURE of SAMPLER: <i>[Signature]</i>		PRINT Name of SAMPLER: Luke Math		SIGNATURE of SAMPLER: <i>[Signature]</i>	
SAMPLER NAME AND SIGNATURE		SAMPLER NAME AND SIGNATURE		SAMPLER NAME AND SIGNATURE		SAMPLER NAME AND SIGNATURE	
Temp In °C		Received on		Custody		Sealed Cooler	
1.8		Y		Y		Y	
Temp In °C		Received on		Custody		Sealed Cooler	
1.8		Y		Y		Y	

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information: Company: <u>ARLANS</u> Address: <u>132 E Washington St Ste 600</u> City: <u>Indianapolis, IN 46204</u> Email: <u>Matthew.Brick@paceanals.com</u> Phone: <u>317-231-6500</u> Fax: <u>317-231-6514</u> Requested Due Date/TAT: <u>stad</u>		Section B Required Project Information: Report To: <u>Sarah.Fisher@arlanal.us.com</u> Copy To: <u>Matthew.Brick</u> Purchase Order No.: <u>110000884.2014.0006</u> Project Name: <u>FM Delco - Race track</u> Project Number: <u>110000884.2014.0006</u>		Section C Invoice Information: Attention: Company Name: Address: Pace Quote Reference: Pace Project Manager: <u>Deana Spiker</u> Pace Profile #:	
Regulatory Agency: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER		Site Location: <u>IN</u> STATE:		Page: <u>2</u> of <u>2</u> 1686375	

ITEM #	Section D Required Client Information	Matrix Codes MATRIX L CODE Drinking Water DW Waste Water WT Product Water PW Soil/Solid SLS Oil OL Wipe WIP Air AR Tissue TS Other OT	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	# OF CONTAINERS	PRESERVATIVES Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other	Analysis Test ↑	Requested Analysis Filtered (Y/N)	Temp in °C	Received on Ice (Y/N)	Custody (Y/N)	Samples Intact (Y/N)
			COMPOSITE START	COMPOSITE END/GRAB										
1	MW-0704-S1051314	Drinking Water	DATE: 5-13-14	TIME: 1030			3							
2	MW-0576-S1051314	Drinking Water	DATE: 5-13-14	TIME: 1055			3							
3	MW-0603-S1051314	Drinking Water	DATE: 5-13-14	TIME: 1120			3							
4	MW-0622-S1051314	Drinking Water	DATE: 5-13-14	TIME: 1135			3							
5	FD-2051314	Drinking Water	DATE: 5-13-14	TIME: —			3							
6	MW-0620-S1051314	Drinking Water	DATE: 5-13-14	TIME: 1145			3							
7	MW-0101-S1051314	Drinking Water	DATE: 5-13-14	TIME: 1205			3							
8	MW-0502-S1051314	Drinking Water	DATE: 5-13-14	TIME: 1210			3							
9	MW-0605-S1051314	Drinking Water	DATE: 5-13-14	TIME: 1220			3							
10	FD-1051314	Drinking Water	DATE: 5-13-14	TIME: —			3							
11	MW-0517-S1051314	Drinking Water	DATE: 5-13-14	TIME: 1250			3							
12														
ADDITIONAL COMMENTS: <u>Level 11 QAC</u>														
RELINQUISHED BY / AFFILIATION: <u>ARLANS</u> DATE: <u>5/13/14</u>														
ACCEPTED BY / AFFILIATION: <u>Carl Spencer</u> DATE: <u>5-13-14</u> TIME: <u>15:01</u>														
SAMPLE CONDITIONS: <u>Y</u> <u>N</u> <u>Y</u>														
SAMPLER NAME AND SIGNATURE: <u>14.S 5-13-14</u> PRINT Name of SAMPLER: <u>ORIGINAL</u> SIGNATURE of SAMPLER: <u>5:06</u> DATE Signed (MM/DD/YY): <u>05/13/14</u>														

Sample Condition Upon Receipt

Face Analytical

Client Name: Arceid's

Project # 5097624

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

Tracking #: _____

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

Date/Time 5035A kits placed in freezer _____

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other FOAM

Thermometer Used 1 2 3 4 6 A B C D E

Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 1.8
(Corrected, if applicable)

Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: AS 8-18-14

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	5.
Rush Turn Around Time Requested:	☐ Yes ☒ No ☐ N/A	6.
Containers Intact:	☒ Yes ☐ No ☐ N/A	7.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	8.
-Includes date/time/ID/Analysis		
All containers needing acid/base pres. have been checked?	☐ Yes ☐ No ☒ N/A	9.
exceptions: VOA, coliform, TOC, O&G		
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Headspace in VOA Vials (>6mm):	☒ Yes ☐ No ☐ N/A	10. Trip Blank (1-vial), MW-0610 (1-vial)
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	11.
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☐ Yes ☐ No ☐ N/A	12.
Sufficient Volume:	☐ Yes ☐ No ☐ N/A	13.
Correct Containers Used:	☐ Yes ☐ No ☐ N/A	14.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____

Date/Time: _____

Comments/ Resolution:

Headspace in vials: Trip Blank (1-vial), MW-0610 (1-vial)

Project Manager Review: _____

Date: 5/13/14

Arend's

2

$$\begin{array}{r} 1686376 \\ \times 1 \\ \hline \end{array}$$

Item

[illegible]

Container Codes

DG9H	40mL HCL amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WG9U	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

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Acordis

COC PAGE 2 of 2
COC ID# 1686375

Project #

DCQH AG11 WGEI AG11 R 4 / 6 BP2N BP21 BP2S BP3N BP3U BP3S AG3S AG1H BP3C BP1U SPST pH <2 pH>12 Comments

Container Codes

Container Codes								
DG9H	40mL HCL amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial	
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial	
WG9U	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial	
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial	
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab	
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide	
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can	
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial	
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial	
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial	
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL	
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe	
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag	

May 28, 2014

Mr. Matt Griles
Arcadis U.S., Inc.
132 E. Washington
Suite 600
Indianapolis, IN 46204

RE: Project: GM-Delco
Pace Project No.: 5097643

Dear Mr. Griles:

Enclosed are the analytical results for sample(s) received by the laboratory on May 13, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Tina Sayer for
Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: GM-Delco

Pace Project No.: 5097643

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268

Illinois Certification #: 200074

Indiana Certification #: C-49-06

Kansas Certification #: E-10247

Kentucky UST Certification #: 0042

Louisiana/NELAP Certification #: 04076

Ohio VAP Certification #: CL-0065

West Virginia Certification #: 330

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: GM-Delco

Pace Project No.: 5097643

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5097643001	MW-0501-S1 (051314)	Water	05/13/14 09:00	05/13/14 15:00
5097643002	MW-0103-S1U (051314)	Water	05/13/14 09:20	05/13/14 15:00
5097643003	MW-0623-S1 (051314)	Water	05/13/14 09:40	05/13/14 15:00
5097643004	MW-0509-S1 (051314)	Water	05/13/14 09:55	05/13/14 15:00
5097643005	MW-0619-S1 (051314)	Water	05/13/14 10:15	05/13/14 15:00
5097643006	MW-0102-S1U (051314)	Water	05/13/14 10:30	05/13/14 15:00
5097643007	MW-0621-S1 (051314)	Water	05/13/14 10:45	05/13/14 15:00
5097643008	MW-0504-S1 (051314)	Water	05/13/14 11:00	05/13/14 15:00
5097643009	EB-1 (051314)	Water	05/13/14 11:15	05/13/14 15:00
5097643010	MW-0506-S1 (051314)	Water	05/13/14 11:30	05/13/14 15:00
5097643011	MW-0617-S1 (051314)	Water	05/13/14 11:45	05/13/14 15:00
5097643012	MW-0507-S1 (051314)	Water	05/13/14 12:00	05/13/14 15:00
5097643013	MW-0503-S1 (051314)	Water	05/13/14 12:15	05/13/14 15:00
5097643014	MW-0604-S1 (051314)	Water	05/13/14 12:45	05/13/14 15:00
5097643015	TB-2-BC	Water	05/13/14 08:00	05/13/14 15:00

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SAMPLE ANALYTE COUNT

Project: GM-Delco

Pace Project No.: 5097643

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5097643001	MW-0501-S1 (051314)	EPA 8260	DAE	51
5097643002	MW-0103-S1U (051314)	EPA 8260	DAE	51
5097643003	MW-0623-S1 (051314)	EPA 8260	DAE	51
5097643004	MW-0509-S1 (051314)	EPA 8260	DAE	51
5097643005	MW-0619-S1 (051314)	EPA 8260	DAE	51
5097643006	MW-0102-S1U (051314)	EPA 8260	DAE	51
5097643007	MW-0621-S1 (051314)	EPA 8260	DAE	51
5097643008	MW-0504-S1 (051314)	EPA 8260	DAE	51
5097643009	EB-1 (051314)	EPA 8260	DAE	51
5097643010	MW-0506-S1 (051314)	EPA 8260	DAE	51
5097643011	MW-0617-S1 (051314)	EPA 8260	DAE	51
5097643012	MW-0507-S1 (051314)	EPA 8260	DAE	51
5097643013	MW-0503-S1 (051314)	EPA 8260	DAE	51
5097643014	MW-0604-S1 (051314)	EPA 8260	DAE	51
5097643015	TB-2-BC	EPA 8260	DAE	51

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0501-S1 (051314)		Lab ID: 5097643001	Collected: 05/13/14 09:00	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	63.4J	ug/L	100	1		05/23/14 21:56	67-64-1	
Benzene	ND	ug/L	5.0	1		05/23/14 21:56	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/23/14 21:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/23/14 21:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/23/14 21:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/23/14 21:56	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/23/14 21:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/23/14 21:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/23/14 21:56	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/23/14 21:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/23/14 21:56	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/23/14 21:56	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/23/14 21:56	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/23/14 21:56	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/23/14 21:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/23/14 21:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/23/14 21:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/23/14 21:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/23/14 21:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/23/14 21:56	75-35-4	
cis-1,2-Dichloroethene	3.0J	ug/L	5.0	1		05/23/14 21:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/14 21:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/23/14 21:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 21:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 21:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/23/14 21:56	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/23/14 21:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/23/14 21:56	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/23/14 21:56	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/23/14 21:56	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/23/14 21:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/23/14 21:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/23/14 21:56	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/23/14 21:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/14 21:56	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/23/14 21:56	127-18-4	
Toluene	ND	ug/L	5.0	1		05/23/14 21:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/23/14 21:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/23/14 21:56	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/23/14 21:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/23/14 21:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/23/14 21:56	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/23/14 21:56	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0501-S1 (051314)		Lab ID: 5097643001	Collected: 05/13/14 09:00	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		05/23/14 21:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105	%.	79-116	1		05/23/14 21:56	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	80-114	1		05/23/14 21:56	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		05/23/14 21:56	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0103-S1U (051314)		Lab ID: 5097643002	Collected: 05/13/14 09:20	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	62.5J	ug/L	100	1		05/23/14 21:23	67-64-1	
Benzene	ND	ug/L	5.0	1		05/23/14 21:23	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/23/14 21:23	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/23/14 21:23	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/23/14 21:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/23/14 21:23	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/23/14 21:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/23/14 21:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/23/14 21:23	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/23/14 21:23	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/23/14 21:23	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/23/14 21:23	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/23/14 21:23	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/23/14 21:23	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/23/14 21:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/23/14 21:23	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/23/14 21:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/23/14 21:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/23/14 21:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/23/14 21:23	75-35-4	
cis-1,2-Dichloroethene	3.6J	ug/L	5.0	1		05/23/14 21:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/14 21:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/23/14 21:23	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 21:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 21:23	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/23/14 21:23	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/23/14 21:23	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/23/14 21:23	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/23/14 21:23	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/23/14 21:23	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/23/14 21:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/23/14 21:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/23/14 21:23	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/23/14 21:23	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/14 21:23	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/23/14 21:23	127-18-4	
Toluene	ND	ug/L	5.0	1		05/23/14 21:23	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/23/14 21:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/23/14 21:23	79-00-5	
Trichloroethene	8.8	ug/L	5.0	1		05/23/14 21:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/23/14 21:23	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/23/14 21:23	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/23/14 21:23	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0103-S1U (051314)		Lab ID: 5097643002	Collected: 05/13/14 09:20	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/23/14 21:23	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	109 %.		79-116	1		05/23/14 21:23	1868-53-7	
4-Bromofluorobenzene (S)	99 %.		80-114	1		05/23/14 21:23	460-00-4	
Toluene-d8 (S)	96 %.		81-110	1		05/23/14 21:23	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0623-S1 (051314)		Lab ID: 5097643003	Collected: 05/13/14 09:40	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/24/14 11:39	67-64-1	
Benzene	ND ug/L		5.0	1		05/24/14 11:39	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/24/14 11:39	75-27-4	
Bromoform	ND ug/L		5.0	1		05/24/14 11:39	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/24/14 11:39	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/24/14 11:39	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/24/14 11:39	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/24/14 11:39	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/24/14 11:39	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/24/14 11:39	75-00-3	
Chloroform	ND ug/L		5.0	1		05/24/14 11:39	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/24/14 11:39	74-87-3	
Cyclohexane	ND ug/L		100	1		05/24/14 11:39	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/24/14 11:39	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/24/14 11:39	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/24/14 11:39	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 11:39	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 11:39	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 11:39	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/24/14 11:39	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/24/14 11:39	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/24/14 11:39	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/24/14 11:39	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 11:39	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 11:39	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/24/14 11:39	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 11:39	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 11:39	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/24/14 11:39	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/24/14 11:39	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/24/14 11:39	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/24/14 11:39	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/24/14 11:39	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/24/14 11:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/24/14 11:39	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/24/14 11:39	1634-04-4	
Styrene	ND ug/L		5.0	1		05/24/14 11:39	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/24/14 11:39	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/24/14 11:39	127-18-4	
Toluene	ND ug/L		5.0	1		05/24/14 11:39	108-88-3	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		05/24/14 11:39	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/24/14 11:39	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/24/14 11:39	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/24/14 11:39	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/24/14 11:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/24/14 11:39	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/24/14 11:39	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0623-S1 (051314)		Lab ID: 5097643003	Collected: 05/13/14 09:40	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/24/14 11:39	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104 %.		79-116	1		05/24/14 11:39	1868-53-7	
4-Bromofluorobenzene (S)	101 %.		80-114	1		05/24/14 11:39	460-00-4	
Toluene-d8 (S)	98 %.		81-110	1		05/24/14 11:39	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0509-S1 (051314)		Lab ID: 5097643004	Collected: 05/13/14 09:55	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/24/14 02:37	67-64-1	
Benzene	ND ug/L		5.0	1		05/24/14 02:37	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/24/14 02:37	75-27-4	
Bromoform	ND ug/L		5.0	1		05/24/14 02:37	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/24/14 02:37	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/24/14 02:37	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/24/14 02:37	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/24/14 02:37	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/24/14 02:37	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/24/14 02:37	75-00-3	
Chloroform	ND ug/L		5.0	1		05/24/14 02:37	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/24/14 02:37	74-87-3	
Cyclohexane	ND ug/L		100	1		05/24/14 02:37	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/24/14 02:37	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/24/14 02:37	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/24/14 02:37	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 02:37	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 02:37	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 02:37	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/24/14 02:37	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/24/14 02:37	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/24/14 02:37	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/24/14 02:37	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 02:37	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 02:37	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/24/14 02:37	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 02:37	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 02:37	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/24/14 02:37	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/24/14 02:37	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/24/14 02:37	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/24/14 02:37	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/24/14 02:37	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/24/14 02:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/24/14 02:37	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/24/14 02:37	1634-04-4	
Styrene	ND ug/L		5.0	1		05/24/14 02:37	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/24/14 02:37	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/24/14 02:37	127-18-4	
Toluene	ND ug/L		5.0	1		05/24/14 02:37	108-88-3	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		05/24/14 02:37	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/24/14 02:37	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/24/14 02:37	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/24/14 02:37	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/24/14 02:37	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/24/14 02:37	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/24/14 02:37	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0509-S1 (051314)		Lab ID: 5097643004	Collected: 05/13/14 09:55	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/24/14 02:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104 %.		79-116	1		05/24/14 02:37	1868-53-7	
4-Bromofluorobenzene (S)	98 %.		80-114	1		05/24/14 02:37	460-00-4	
Toluene-d8 (S)	98 %.		81-110	1		05/24/14 02:37	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0619-S1 (051314)		Lab ID: 5097643005	Collected: 05/13/14 10:15	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	54.4J	ug/L	100	1		05/24/14 03:11	67-64-1	CC
Benzene	ND	ug/L	5.0	1		05/24/14 03:11	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/14 03:11	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/14 03:11	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/14 03:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/14 03:11	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/24/14 03:11	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/14 03:11	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/14 03:11	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/14 03:11	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/14 03:11	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/14 03:11	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/24/14 03:11	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/24/14 03:11	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/14 03:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/14 03:11	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 03:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 03:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 03:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/14 03:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/14 03:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/14 03:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/24/14 03:11	75-35-4	
cis-1,2-Dichloroethene	19.7	ug/L	5.0	1		05/24/14 03:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/14 03:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/14 03:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 03:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 03:11	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/14 03:11	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/24/14 03:11	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/14 03:11	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/24/14 03:11	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/24/14 03:11	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/24/14 03:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/14 03:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/14 03:11	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/24/14 03:11	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/14 03:11	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/14 03:11	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/14 03:11	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/14 03:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/14 03:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/14 03:11	79-00-5	
Trichloroethene	2.3J	ug/L	5.0	1		05/24/14 03:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/14 03:11	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/24/14 03:11	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/24/14 03:11	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0619-S1 (051314)		Lab ID: 5097643005		Collected: 05/13/14 10:15		Received: 05/13/14 15:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/24/14 03:11	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		107	%.	79-116	1		05/24/14 03:11	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	80-114	1		05/24/14 03:11	460-00-4	
Toluene-d8 (S)		97	%.	81-110	1		05/24/14 03:11	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0102-S1U (051314)		Lab ID: 5097643006	Collected: 05/13/14 10:30	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		05/24/14 04:17	67-64-1	
Benzene	ND	ug/L	5.0	1		05/24/14 04:17	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/14 04:17	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/14 04:17	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/14 04:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/14 04:17	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/24/14 04:17	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/14 04:17	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/14 04:17	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/14 04:17	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/14 04:17	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/14 04:17	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/24/14 04:17	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/24/14 04:17	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/14 04:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/14 04:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/14 04:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/14 04:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/14 04:17	107-06-2	
1,1-Dichloroethene	4.9J	ug/L	5.0	1		05/24/14 04:17	75-35-4	
cis-1,2-Dichloroethene	826	ug/L	125	25		05/24/14 04:50	156-59-2	
trans-1,2-Dichloroethene	103	ug/L	5.0	1		05/24/14 04:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/14 04:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 04:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 04:17	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/14 04:17	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/24/14 04:17	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/14 04:17	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/24/14 04:17	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/24/14 04:17	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/24/14 04:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/14 04:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/14 04:17	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/24/14 04:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/14 04:17	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/14 04:17	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/14 04:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/14 04:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/14 04:17	79-00-5	
Trichloroethene	2910	ug/L	125	25		05/24/14 04:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/14 04:17	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/24/14 04:17	76-13-1	
Vinyl chloride	21.8	ug/L	2.0	1		05/24/14 04:17	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0102-S1U (051314)		Lab ID: 5097643006		Collected: 05/13/14 10:30		Received: 05/13/14 15:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/24/14 04:17	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		107	%.	79-116	1		05/24/14 04:17	1868-53-7	
4-Bromofluorobenzene (S)		100	%.	80-114	1		05/24/14 04:17	460-00-4	
Toluene-d8 (S)		101	%.	81-110	1		05/24/14 04:17	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0621-S1 (051314)		Lab ID: 5097643007	Collected: 05/13/14 10:45	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	55.5J	ug/L	100	1		05/24/14 05:23	67-64-1	CC
Benzene	ND	ug/L	5.0	1		05/24/14 05:23	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/14 05:23	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/14 05:23	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/14 05:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/14 05:23	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/24/14 05:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/14 05:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/14 05:23	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/14 05:23	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/14 05:23	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/14 05:23	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/24/14 05:23	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/24/14 05:23	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/14 05:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/14 05:23	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 05:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 05:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 05:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/14 05:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/14 05:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/14 05:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/24/14 05:23	75-35-4	
cis-1,2-Dichloroethene	71.2	ug/L	5.0	1		05/24/14 05:23	156-59-2	
trans-1,2-Dichloroethene	28.5	ug/L	5.0	1		05/24/14 05:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/14 05:23	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 05:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 05:23	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/14 05:23	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/24/14 05:23	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/14 05:23	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/24/14 05:23	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/24/14 05:23	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/24/14 05:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/14 05:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/14 05:23	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/24/14 05:23	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/14 05:23	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/14 05:23	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/14 05:23	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/14 05:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/14 05:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/14 05:23	79-00-5	
Trichloroethene	1070	ug/L	50.0	10		05/24/14 23:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/14 05:23	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/24/14 05:23	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/24/14 05:23	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0621-S1 (051314)		Lab ID: 5097643007		Collected: 05/13/14 10:45		Received: 05/13/14 15:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND ug/L		10.0	1		05/24/14 05:23	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		106 %.		79-116	1		05/24/14 05:23	1868-53-7	
4-Bromofluorobenzene (S)		100 %.		80-114	1		05/24/14 05:23	460-00-4	
Toluene-d8 (S)		101 %.		81-110	1		05/24/14 05:23	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0504-S1 (051314)		Lab ID: 5097643008	Collected: 05/13/14 11:00	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	57.3J	ug/L	100	1		05/24/14 05:56	67-64-1	CC
Benzene	ND	ug/L	5.0	1		05/24/14 05:56	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/14 05:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/14 05:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/14 05:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/14 05:56	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/24/14 05:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/14 05:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/14 05:56	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/14 05:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/14 05:56	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/14 05:56	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/24/14 05:56	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/24/14 05:56	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/14 05:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/14 05:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 05:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 05:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 05:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/14 05:56	75-71-8	
1,1-Dichloroethane	7.8	ug/L	5.0	1		05/24/14 05:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/14 05:56	107-06-2	
1,1-Dichloroethene	6.4	ug/L	5.0	1		05/24/14 05:56	75-35-4	
cis-1,2-Dichloroethene	826	ug/L	100	20		05/24/14 06:30	156-59-2	
trans-1,2-Dichloroethene	154	ug/L	5.0	1		05/24/14 05:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/14 05:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 05:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 05:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/14 05:56	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/24/14 05:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/14 05:56	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/24/14 05:56	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/24/14 05:56	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/24/14 05:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/14 05:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/14 05:56	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/24/14 05:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/14 05:56	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/14 05:56	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/14 05:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/14 05:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/14 05:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/14 05:56	79-00-5	
Trichloroethene	2740	ug/L	100	20		05/24/14 06:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/14 05:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/24/14 05:56	76-13-1	
Vinyl chloride	24.4	ug/L	2.0	1		05/24/14 05:56	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0504-S1 (051314)		Lab ID: 5097643008	Collected: 05/13/14 11:00	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		05/24/14 05:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107	%.	79-116	1		05/24/14 05:56	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114	1		05/24/14 05:56	460-00-4	
Toluene-d8 (S)	103	%.	81-110	1		05/24/14 05:56	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: EB-1 (051314)		Lab ID: 5097643009	Collected: 05/13/14 11:15	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	88.6J	ug/L	100	1		05/24/14 02:54	67-64-1	
Benzene	ND	ug/L	5.0	1		05/24/14 02:54	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/14 02:54	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/14 02:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/14 02:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/14 02:54	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/24/14 02:54	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/14 02:54	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/14 02:54	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/14 02:54	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/14 02:54	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/14 02:54	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/24/14 02:54	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/24/14 02:54	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/14 02:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/14 02:54	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 02:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 02:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 02:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/14 02:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/14 02:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/14 02:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/24/14 02:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/14 02:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/14 02:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/14 02:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 02:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 02:54	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/14 02:54	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/24/14 02:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/14 02:54	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/24/14 02:54	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/24/14 02:54	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/24/14 02:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/14 02:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/14 02:54	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/24/14 02:54	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/14 02:54	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/14 02:54	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/14 02:54	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/14 02:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/14 02:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/14 02:54	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/24/14 02:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/14 02:54	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/24/14 02:54	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/24/14 02:54	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: EB-1 (051314)		Lab ID: 5097643009		Collected: 05/13/14 11:15		Received: 05/13/14 15:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/24/14 02:54	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		108	%.	79-116	1		05/24/14 02:54	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	80-114	1		05/24/14 02:54	460-00-4	
Toluene-d8 (S)		97	%.	81-110	1		05/24/14 02:54	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0506-S1 (051314)		Lab ID: 5097643010	Collected: 05/13/14 11:30	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	56.7J	ug/L	100	1		05/24/14 03:27	67-64-1	
Benzene	ND	ug/L	5.0	1		05/24/14 03:27	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/14 03:27	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/14 03:27	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/14 03:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/14 03:27	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/24/14 03:27	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/14 03:27	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/14 03:27	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/14 03:27	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/14 03:27	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/14 03:27	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/24/14 03:27	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/24/14 03:27	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/14 03:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/14 03:27	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 03:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 03:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 03:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/14 03:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/14 03:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/14 03:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/24/14 03:27	75-35-4	
cis-1,2-Dichloroethene	3.2J	ug/L	5.0	1		05/24/14 03:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/14 03:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/14 03:27	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 03:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 03:27	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/14 03:27	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/24/14 03:27	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/14 03:27	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/24/14 03:27	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/24/14 03:27	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/24/14 03:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/14 03:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/14 03:27	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/24/14 03:27	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/14 03:27	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/14 03:27	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/14 03:27	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/14 03:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/14 03:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/14 03:27	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/24/14 03:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/14 03:27	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/24/14 03:27	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/24/14 03:27	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0506-S1 (051314)		Lab ID: 5097643010	Collected: 05/13/14 11:30	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/24/14 03:27	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105 %.		79-116	1		05/24/14 03:27	1868-53-7	
4-Bromofluorobenzene (S)	97 %.		80-114	1		05/24/14 03:27	460-00-4	
Toluene-d8 (S)	97 %.		81-110	1		05/24/14 03:27	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0617-S1 (051314)		Lab ID: 5097643011	Collected: 05/13/14 11:45	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	56.5J	ug/L	100	1		05/24/14 04:00	67-64-1	
Benzene	ND	ug/L	5.0	1		05/24/14 04:00	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/14 04:00	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/14 04:00	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/14 04:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/14 04:00	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/24/14 04:00	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/14 04:00	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/14 04:00	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/14 04:00	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/14 04:00	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/14 04:00	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/24/14 04:00	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/24/14 04:00	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/14 04:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/14 04:00	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/14 04:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/14 04:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/14 04:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/24/14 04:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/14 04:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/14 04:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/14 04:00	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 04:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 04:00	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/14 04:00	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/24/14 04:00	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/14 04:00	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/24/14 04:00	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/24/14 04:00	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/24/14 04:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/14 04:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/14 04:00	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/24/14 04:00	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/14 04:00	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/14 04:00	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/14 04:00	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/14 04:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/14 04:00	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/24/14 04:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/14 04:00	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/24/14 04:00	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/24/14 04:00	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0617-S1 (051314)		Lab ID: 5097643011	Collected: 05/13/14 11:45	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/24/14 04:00	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104 %.		79-116	1		05/24/14 04:00	1868-53-7	
4-Bromofluorobenzene (S)	97 %.		80-114	1		05/24/14 04:00	460-00-4	
Toluene-d8 (S)	98 %.		81-110	1		05/24/14 04:00	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0507-S1 (051314)		Lab ID: 5097643012	Collected: 05/13/14 12:00	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		05/24/14 04:33	67-64-1	
Benzene	ND	ug/L	5.0	1		05/24/14 04:33	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/14 04:33	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/14 04:33	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/14 04:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/14 04:33	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/24/14 04:33	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/14 04:33	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/14 04:33	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/14 04:33	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/14 04:33	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/14 04:33	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/24/14 04:33	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/24/14 04:33	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/14 04:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/14 04:33	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/14 04:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/14 04:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/14 04:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/24/14 04:33	75-35-4	
cis-1,2-Dichloroethene	3.2J	ug/L	5.0	1		05/24/14 04:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/14 04:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/14 04:33	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 04:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 04:33	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/14 04:33	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/24/14 04:33	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/14 04:33	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/24/14 04:33	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/24/14 04:33	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/24/14 04:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/14 04:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/14 04:33	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/24/14 04:33	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/14 04:33	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/14 04:33	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/14 04:33	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/14 04:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/14 04:33	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/24/14 04:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/14 04:33	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/24/14 04:33	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/24/14 04:33	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0507-S1 (051314)		Lab ID: 5097643012	Collected: 05/13/14 12:00	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/24/14 04:33	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105 %.		79-116	1		05/24/14 04:33	1868-53-7	
4-Bromofluorobenzene (S)	99 %.		80-114	1		05/24/14 04:33	460-00-4	
Toluene-d8 (S)	98 %.		81-110	1		05/24/14 04:33	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0503-S1 (051314)		Lab ID: 5097643013	Collected: 05/13/14 12:15	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	66.9J ug/L	ug/L	100	1		05/23/14 21:40	67-64-1	CC
Benzene	ND	ug/L	5.0	1		05/23/14 21:40	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/23/14 21:40	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/23/14 21:40	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/23/14 21:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/23/14 21:40	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/23/14 21:40	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/23/14 21:40	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/23/14 21:40	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/23/14 21:40	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/23/14 21:40	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/23/14 21:40	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/23/14 21:40	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/23/14 21:40	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/23/14 21:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/23/14 21:40	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/23/14 21:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/23/14 21:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/23/14 21:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/23/14 21:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/14 21:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/14 21:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/23/14 21:40	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 21:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 21:40	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/23/14 21:40	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/23/14 21:40	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/23/14 21:40	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/23/14 21:40	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/23/14 21:40	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/23/14 21:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/23/14 21:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/23/14 21:40	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/23/14 21:40	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/14 21:40	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/23/14 21:40	127-18-4	
Toluene	ND	ug/L	5.0	1		05/23/14 21:40	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/23/14 21:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/23/14 21:40	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/23/14 21:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/23/14 21:40	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/23/14 21:40	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/23/14 21:40	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0503-S1 (051314)		Lab ID: 5097643013		Collected: 05/13/14 12:15		Received: 05/13/14 15:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/23/14 21:40	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		108	%.	79-116	1		05/23/14 21:40	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	80-114	1		05/23/14 21:40	460-00-4	
Toluene-d8 (S)		97	%.	81-110	1		05/23/14 21:40	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0604-S1 (051314)		Lab ID: 5097643014	Collected: 05/13/14 12:45	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	62.5J	ug/L	100	1		05/24/14 05:06	67-64-1	
Benzene	ND	ug/L	5.0	1		05/24/14 05:06	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/14 05:06	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/14 05:06	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/14 05:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/14 05:06	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/24/14 05:06	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/14 05:06	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/14 05:06	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/14 05:06	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/14 05:06	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/14 05:06	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/24/14 05:06	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/24/14 05:06	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/14 05:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/14 05:06	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 05:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 05:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 05:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/14 05:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/14 05:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/14 05:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/24/14 05:06	75-35-4	
cis-1,2-Dichloroethene	271	ug/L	5.0	1		05/24/14 05:06	156-59-2	
trans-1,2-Dichloroethene	27.2	ug/L	5.0	1		05/24/14 05:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/14 05:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 05:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 05:06	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/14 05:06	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/24/14 05:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/14 05:06	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/24/14 05:06	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/24/14 05:06	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/24/14 05:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/14 05:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/14 05:06	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/24/14 05:06	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/14 05:06	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/14 05:06	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/14 05:06	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/14 05:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/14 05:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/14 05:06	79-00-5	
Trichloroethene	747	ug/L	50.0	10		05/25/14 00:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/14 05:06	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/24/14 05:06	76-13-1	
Vinyl chloride	16.2	ug/L	2.0	1		05/24/14 05:06	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0604-S1 (051314)		Lab ID: 5097643014	Collected: 05/13/14 12:45	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/24/14 05:06	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107 %.		79-116	1		05/24/14 05:06	1868-53-7	
4-Bromofluorobenzene (S)	97 %.		80-114	1		05/24/14 05:06	460-00-4	
Toluene-d8 (S)	99 %.		81-110	1		05/24/14 05:06	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: TB-2-BC		Lab ID: 5097643015	Collected: 05/13/14 08:00	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/24/14 02:04	67-64-1	
Benzene	ND ug/L		5.0	1		05/24/14 02:04	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/24/14 02:04	75-27-4	
Bromoform	ND ug/L		5.0	1		05/24/14 02:04	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/24/14 02:04	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/24/14 02:04	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/24/14 02:04	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/24/14 02:04	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/24/14 02:04	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/24/14 02:04	75-00-3	
Chloroform	ND ug/L		5.0	1		05/24/14 02:04	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/24/14 02:04	74-87-3	
Cyclohexane	ND ug/L		100	1		05/24/14 02:04	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/24/14 02:04	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/24/14 02:04	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/24/14 02:04	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 02:04	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 02:04	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 02:04	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/24/14 02:04	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/24/14 02:04	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/24/14 02:04	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/24/14 02:04	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 02:04	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 02:04	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/24/14 02:04	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 02:04	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 02:04	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/24/14 02:04	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/24/14 02:04	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/24/14 02:04	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/24/14 02:04	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/24/14 02:04	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/24/14 02:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/24/14 02:04	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/24/14 02:04	1634-04-4	
Styrene	ND ug/L		5.0	1		05/24/14 02:04	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/24/14 02:04	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/24/14 02:04	127-18-4	
Toluene	ND ug/L		5.0	1		05/24/14 02:04	108-88-3	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		05/24/14 02:04	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/24/14 02:04	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/24/14 02:04	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/24/14 02:04	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/24/14 02:04	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/24/14 02:04	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/24/14 02:04	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: TB-2-BC		Lab ID: 5097643015	Collected: 05/13/14 08:00	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		05/24/14 02:04	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	79-116	1		05/24/14 02:04	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114	1		05/24/14 02:04	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		05/24/14 02:04	2037-26-5	

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

QC Batch: MSV/65047

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 5097643004, 5097643005, 5097643006, 5097643007, 5097643008, 5097643015

METHOD BLANK: 1099542

Matrix: Water

Associated Lab Samples: 5097643004, 5097643005, 5097643006, 5097643007, 5097643008, 5097643015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	05/24/14 01:31	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/24/14 01:31	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/24/14 01:31	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	05/24/14 01:31	
1,1-Dichloroethane	ug/L	ND	5.0	05/24/14 01:31	
1,1-Dichloroethene	ug/L	ND	5.0	05/24/14 01:31	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	05/24/14 01:31	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	05/24/14 01:31	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	05/24/14 01:31	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/24/14 01:31	
1,2-Dichloroethane	ug/L	ND	5.0	05/24/14 01:31	
1,2-Dichloropropane	ug/L	ND	5.0	05/24/14 01:31	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/24/14 01:31	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/24/14 01:31	
2-Butanone (MEK)	ug/L	ND	25.0	05/24/14 01:31	
2-Hexanone	ug/L	ND	25.0	05/24/14 01:31	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	05/24/14 01:31	
Acetone	ug/L	ND	100	05/24/14 01:31	
Benzene	ug/L	ND	5.0	05/24/14 01:31	
Bromodichloromethane	ug/L	ND	5.0	05/24/14 01:31	
Bromoform	ug/L	ND	5.0	05/24/14 01:31	
Bromomethane	ug/L	ND	5.0	05/24/14 01:31	
Carbon disulfide	ug/L	ND	10.0	05/24/14 01:31	
Carbon tetrachloride	ug/L	ND	5.0	05/24/14 01:31	
Chlorobenzene	ug/L	ND	5.0	05/24/14 01:31	
Chloroethane	ug/L	ND	5.0	05/24/14 01:31	
Chloroform	ug/L	ND	5.0	05/24/14 01:31	
Chloromethane	ug/L	ND	5.0	05/24/14 01:31	
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/24/14 01:31	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/24/14 01:31	
Cyclohexane	ug/L	ND	100	05/24/14 01:31	N2
Dibromochloromethane	ug/L	ND	5.0	05/24/14 01:31	
Dichlorodifluoromethane	ug/L	ND	5.0	05/24/14 01:31	
Ethylbenzene	ug/L	ND	5.0	05/24/14 01:31	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	05/24/14 01:31	
Methyl acetate	ug/L	ND	50.0	05/24/14 01:31	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	05/24/14 01:31	
Methylcyclohexane	ug/L	ND	50.0	05/24/14 01:31	N2
Methylene Chloride	ug/L	ND	5.0	05/24/14 01:31	
Styrene	ug/L	ND	5.0	05/24/14 01:31	
Tetrachloroethene	ug/L	ND	5.0	05/24/14 01:31	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

METHOD BLANK: 1099542

Matrix: Water

Associated Lab Samples: 5097643004, 5097643005, 5097643006, 5097643007, 5097643008, 5097643015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	05/24/14 01:31	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/24/14 01:31	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/24/14 01:31	
Trichloroethene	ug/L	ND	5.0	05/24/14 01:31	
Trichlorofluoromethane	ug/L	ND	5.0	05/24/14 01:31	
Vinyl chloride	ug/L	ND	2.0	05/24/14 01:31	
Xylene (Total)	ug/L	ND	10.0	05/24/14 01:31	
4-Bromofluorobenzene (S)	%	99	80-114	05/24/14 01:31	
Dibromofluoromethane (S)	%	106	79-116	05/24/14 01:31	
Toluene-d8 (S)	%	98	81-110	05/24/14 01:31	

LABORATORY CONTROL SAMPLE: 1099543

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.8	114	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	46.7	93	66-126	
1,1,2-Trichloroethane	ug/L	50	51.8	104	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	55.3	111	68-139	
1,1-Dichloroethane	ug/L	50	47.9	96	75-130	
1,1-Dichloroethene	ug/L	50	52.4	105	68-127	
1,2,4-Trichlorobenzene	ug/L	50	54.8	110	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	48.9	98	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	52.1	104	76-125	
1,2-Dichlorobenzene	ug/L	50	49.3	99	75-123	
1,2-Dichloroethane	ug/L	50	56.3	113	75-128	
1,2-Dichloropropane	ug/L	50	49.7	99	74-121	
1,3-Dichlorobenzene	ug/L	50	47.7	95	74-122	
1,4-Dichlorobenzene	ug/L	50	48.3	97	76-120	
2-Butanone (MEK)	ug/L	250	271	108	58-139	
2-Hexanone	ug/L	250	280	112	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	277	111	58-138	
Acetone	ug/L	250	322	129	49-150	
Benzene	ug/L	50	50.0	100	74-122	
Bromodichloromethane	ug/L	50	56.4	113	62-136	
Bromoform	ug/L	50	48.9	98	44-134	
Bromomethane	ug/L	50	61.9	124	22-181	
Carbon disulfide	ug/L	100	104	104	59-132	
Carbon tetrachloride	ug/L	50	58.1	116	56-137	
Chlorobenzene	ug/L	50	49.5	99	78-123	
Chloroethane	ug/L	50	60.6	121	60-144	
Chloroform	ug/L	50	52.3	105	78-126	
Chloromethane	ug/L	50	51.0	102	42-134	
cis-1,2-Dichloroethene	ug/L	50	45.8	92	75-122	
cis-1,3-Dichloropropene	ug/L	50	52.1	104	64-126	

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

LABORATORY CONTROL SAMPLE: 1099543

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	51.4J	103	62-119	N2
Dibromochloromethane	ug/L	50	56.5	113	58-128	
Dichlorodifluoromethane	ug/L	50	65.9	132	35-181	
Ethylbenzene	ug/L	50	50.4	101	66-133	
Isopropylbenzene (Cumene)	ug/L	50	56.4	113	69-124	
Methyl acetate	ug/L	50	81.6	163	10-142	L3,N2
Methyl-tert-butyl ether	ug/L	100	106	106	69-122	
Methylcyclohexane	ug/L	50	52.1	104	63-130	N2
Methylene Chloride	ug/L	50	50.1	100	68-132	
Styrene	ug/L	50	53.1	106	74-126	
Tetrachloroethene	ug/L	50	48.6	97	69-130	
Toluene	ug/L	50	49.5	99	72-122	
trans-1,2-Dichloroethene	ug/L	50	48.2	96	72-124	
trans-1,3-Dichloropropene	ug/L	50	44.9	90	64-121	
Trichloroethene	ug/L	50	50.7	101	76-126	
Trichlorofluoromethane	ug/L	50	64.7	129	76-149	
Vinyl chloride	ug/L	50	50.2	100	59-126	
Xylene (Total)	ug/L	150	155	103	70-124	
4-Bromofluorobenzene (S)	%			106	80-114	
Dibromofluoromethane (S)	%			101	79-116	
Toluene-d8 (S)	%			99	81-110	

MATRIX SPIKE SAMPLE: 1099545

Parameter	Units	5097643007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	58.1	116	60-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	46.2	92	55-128	
1,1,2-Trichloroethane	ug/L	ND	50	50.1	100	61-139	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	55.5	111	55-151	
1,1-Dichloroethane	ug/L	ND	50	47.5	95	57-147	
1,1-Dichloroethene	ug/L	ND	50	52.7	105	55-145	
1,2,4-Trichlorobenzene	ug/L	ND	50	52.9	106	25-143	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	49.6	99	37-130	
1,2-Dibromoethane (EDB)	ug/L	ND	50	51.7	103	63-129	
1,2-Dichlorobenzene	ug/L	ND	50	49.7	99	38-136	
1,2-Dichloroethane	ug/L	ND	50	56.5	113	62-138	
1,2-Dichloropropane	ug/L	ND	50	50.6	101	59-130	
1,3-Dichlorobenzene	ug/L	ND	50	48.2	96	28-141	
1,4-Dichlorobenzene	ug/L	ND	50	48.5	97	30-139	
2-Butanone (MEK)	ug/L	ND	250	285	114	37-156	
2-Hexanone	ug/L	ND	250	288	115	44-143	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	284	114	46-144	
Acetone	ug/L	55.5J	250	380	130	39-156	
Benzene	ug/L	ND	50	50.4	101	62-129	
Bromodichloromethane	ug/L	ND	50	57.6	115	50-142	

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

MATRIX SPIKE SAMPLE: 1099545		5097643007	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromoform	ug/L	ND	50	48.5	97	36-125	
Bromomethane	ug/L	ND	50	52.5	105	13-179	
Carbon disulfide	ug/L	ND	100	107	107	45-142	
Carbon tetrachloride	ug/L	ND	50	61.5	123	46-142	
Chlorobenzene	ug/L	ND	50	49.5	99	49-136	
Chloroethane	ug/L	ND	50	61.1	122	47-160	
Chloroform	ug/L	ND	50	53.3	107	54-150	
Chloromethane	ug/L	ND	50	51.2	102	30-148	
cis-1,2-Dichloroethene	ug/L	71.2	50	117	91	60-135	
cis-1,3-Dichloropropene	ug/L	ND	50	50.9	102	52-123	
Cyclohexane	ug/L	ND	50	55.3J	111	43-135	N2
Dibromochloromethane	ug/L	ND	50	57.9	116	48-125	
Dichlorodifluoromethane	ug/L	ND	50	65.2	130	24-197	
Ethylbenzene	ug/L	ND	50	49.5	99	28-153	
Isopropylbenzene (Cumene)	ug/L	ND	50	55.8	112	18-152	
Methyl acetate	ug/L	ND	50	45.0J	90	10-125	N2
Methyl-tert-butyl ether	ug/L	ND	100	104	104	63-130	
Methylcyclohexane	ug/L	ND	50	57.0	114	32-155	N2
Methylene Chloride	ug/L	ND	50	51.7	103	45-156	
Styrene	ug/L	ND	50	52.1	104	36-139	
Tetrachloroethene	ug/L	ND	50	47.1	94	33-151	
Toluene	ug/L	ND	50	49.9	100	50-132	
trans-1,2-Dichloroethene	ug/L	28.5	50	76.9	97	40-153	
trans-1,3-Dichloropropene	ug/L	ND	50	44.1	88	48-122	
Trichloroethene	ug/L	1070	50	1350	554	50-143	M0
Trichlorofluoromethane	ug/L	ND	50	64.3	129	60-175	
Vinyl chloride	ug/L	ND	50	53.3	107	44-145	
Xylene (Total)	ug/L	ND	150	154	103	29-145	
4-Bromofluorobenzene (S)	%				104	80-114	
Dibromofluoromethane (S)	%				104	79-116	
Toluene-d8 (S)	%				101	81-110	

SAMPLE DUPLICATE: 1099544

Parameter	Units	5097643004	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	ND		20	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,2-Trichloroethane	ug/L	ND	ND		20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		20	
1,1-Dichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethene	ug/L	ND	ND		20	
1,2,4-Trichlorobenzene	ug/L	ND	ND		20	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		20	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1,2-Dichlorobenzene	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

SAMPLE DUPLICATE: 1099544

Parameter	Units	5097643004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		20	
1,2-Dichloropropane	ug/L	ND	ND		20	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2-Butanone (MEK)	ug/L	ND	ND		20	
2-Hexanone	ug/L	ND	ND		20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		20	
Acetone	ug/L	ND	ND		20	
Benzene	ug/L	ND	ND		20	
Bromodichloromethane	ug/L	ND	ND		20	
Bromoform	ug/L	ND	ND		20	
Bromomethane	ug/L	ND	ND		20	
Carbon disulfide	ug/L	ND	ND		20	
Carbon tetrachloride	ug/L	ND	ND		20	
Chlorobenzene	ug/L	ND	ND		20	
Chloroethane	ug/L	ND	ND		20	
Chloroform	ug/L	ND	ND		20	
Chloromethane	ug/L	ND	ND		20	
cis-1,2-Dichloroethene	ug/L	ND	ND		20	
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Cyclohexane	ug/L	ND	ND		20	N2
Dibromochloromethane	ug/L	ND	ND		20	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Isopropylbenzene (Cumene)	ug/L	ND	ND		20	
Methyl acetate	ug/L	ND	ND		20	N2
Methyl-tert-butyl ether	ug/L	ND	ND		20	
Methylcyclohexane	ug/L	ND	ND		20	N2
Methylene Chloride	ug/L	ND	ND		20	
Styrene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	ND		20	
Toluene	ug/L	ND	ND		20	
trans-1,2-Dichloroethene	ug/L	ND	ND		20	
trans-1,3-Dichloropropene	ug/L	ND	ND		20	
Trichloroethene	ug/L	ND	ND		20	
Trichlorofluoromethane	ug/L	ND	ND		20	
Vinyl chloride	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%	98	97	1		
Dibromofluoromethane (S)	%	104	106	2		
Toluene-d8 (S)	%	98	99	0		

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

QC Batch: MSV/65048

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 5097643009, 5097643010, 5097643011, 5097643012, 5097643014

METHOD BLANK: 1099552

Matrix: Water

Associated Lab Samples: 5097643009, 5097643010, 5097643011, 5097643012, 5097643014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	05/24/14 01:48	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/24/14 01:48	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/24/14 01:48	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	05/24/14 01:48	
1,1-Dichloroethane	ug/L	ND	5.0	05/24/14 01:48	
1,1-Dichloroethene	ug/L	ND	5.0	05/24/14 01:48	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	05/24/14 01:48	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	05/24/14 01:48	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	05/24/14 01:48	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/24/14 01:48	
1,2-Dichloroethane	ug/L	ND	5.0	05/24/14 01:48	
1,2-Dichloropropane	ug/L	ND	5.0	05/24/14 01:48	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/24/14 01:48	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/24/14 01:48	
2-Butanone (MEK)	ug/L	ND	25.0	05/24/14 01:48	
2-Hexanone	ug/L	ND	25.0	05/24/14 01:48	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	05/24/14 01:48	
Acetone	ug/L	ND	100	05/24/14 01:48	
Benzene	ug/L	ND	5.0	05/24/14 01:48	
Bromodichloromethane	ug/L	ND	5.0	05/24/14 01:48	
Bromoform	ug/L	ND	5.0	05/24/14 01:48	
Bromomethane	ug/L	ND	5.0	05/24/14 01:48	
Carbon disulfide	ug/L	ND	10.0	05/24/14 01:48	
Carbon tetrachloride	ug/L	ND	5.0	05/24/14 01:48	
Chlorobenzene	ug/L	ND	5.0	05/24/14 01:48	
Chloroethane	ug/L	ND	5.0	05/24/14 01:48	
Chloroform	ug/L	ND	5.0	05/24/14 01:48	
Chloromethane	ug/L	ND	5.0	05/24/14 01:48	
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/24/14 01:48	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/24/14 01:48	
Cyclohexane	ug/L	ND	100	05/24/14 01:48	N2
Dibromochloromethane	ug/L	ND	5.0	05/24/14 01:48	
Dichlorodifluoromethane	ug/L	ND	5.0	05/24/14 01:48	
Ethylbenzene	ug/L	ND	5.0	05/24/14 01:48	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	05/24/14 01:48	
Methyl acetate	ug/L	ND	50.0	05/24/14 01:48	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	05/24/14 01:48	
Methylcyclohexane	ug/L	ND	50.0	05/24/14 01:48	N2
Methylene Chloride	ug/L	ND	5.0	05/24/14 01:48	
Styrene	ug/L	ND	5.0	05/24/14 01:48	
Tetrachloroethene	ug/L	ND	5.0	05/24/14 01:48	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

METHOD BLANK: 1099552

Matrix: Water

Associated Lab Samples: 5097643009, 5097643010, 5097643011, 5097643012, 5097643014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	05/24/14 01:48	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/24/14 01:48	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/24/14 01:48	
Trichloroethene	ug/L	ND	5.0	05/24/14 01:48	
Trichlorofluoromethane	ug/L	ND	5.0	05/24/14 01:48	
Vinyl chloride	ug/L	ND	2.0	05/24/14 01:48	
Xylene (Total)	ug/L	ND	10.0	05/24/14 01:48	
4-Bromofluorobenzene (S)	%	97	80-114	05/24/14 01:48	
Dibromofluoromethane (S)	%	103	79-116	05/24/14 01:48	
Toluene-d8 (S)	%	98	81-110	05/24/14 01:48	

LABORATORY CONTROL SAMPLE: 1099553

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.7	111	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	45.4	91	66-126	
1,1,2-Trichloroethane	ug/L	50	49.1	98	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	51.9	104	68-139	
1,1-Dichloroethane	ug/L	50	50.5	101	75-130	
1,1-Dichloroethene	ug/L	50	51.2	102	68-127	
1,2,4-Trichlorobenzene	ug/L	50	55.1	110	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	47.5	95	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	52.3	105	76-125	
1,2-Dichlorobenzene	ug/L	50	49.1	98	75-123	
1,2-Dichloroethane	ug/L	50	56.8	114	75-128	
1,2-Dichloropropane	ug/L	50	50.1	100	74-121	
1,3-Dichlorobenzene	ug/L	50	48.3	97	74-122	
1,4-Dichlorobenzene	ug/L	50	49.0	98	76-120	
2-Butanone (MEK)	ug/L	250	230	92	58-139	
2-Hexanone	ug/L	250	247	99	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	254	101	58-138	
Acetone	ug/L	250	324	129	49-150	
Benzene	ug/L	50	49.8	100	74-122	
Bromodichloromethane	ug/L	50	57.1	114	62-136	
Bromoform	ug/L	50	48.6	97	44-134	
Bromomethane	ug/L	50	101	201	22-181	L3
Carbon disulfide	ug/L	100	99.9	100	59-132	
Carbon tetrachloride	ug/L	50	51.9	104	56-137	
Chlorobenzene	ug/L	50	48.6	97	78-123	
Chloroethane	ug/L	50	59.3	119	60-144	
Chloroform	ug/L	50	51.9	104	78-126	
Chloromethane	ug/L	50	57.2	114	42-134	
cis-1,2-Dichloroethene	ug/L	50	45.8	92	75-122	
cis-1,3-Dichloropropene	ug/L	50	53.8	108	64-126	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

LABORATORY CONTROL SAMPLE: 1099553

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	50.5J	101	62-119	N2
Dibromochloromethane	ug/L	50	61.0	122	58-128	
Dichlorodifluoromethane	ug/L	50	68.4	137	35-181	
Ethylbenzene	ug/L	50	48.0	96	66-133	
Isopropylbenzene (Cumene)	ug/L	50	56.3	113	69-124	
Methyl acetate	ug/L	50	65.2	130	10-142	N2
Methyl-tert-butyl ether	ug/L	100	99.7	100	69-122	
Methylcyclohexane	ug/L	50	51.3	103	63-130	N2
Methylene Chloride	ug/L	50	52.1	104	68-132	
Styrene	ug/L	50	52.5	105	74-126	
Tetrachloroethene	ug/L	50	49.7	99	69-130	
Toluene	ug/L	50	48.8	98	72-122	
trans-1,2-Dichloroethene	ug/L	50	45.8	92	72-124	
trans-1,3-Dichloropropene	ug/L	50	44.3	89	64-121	
Trichloroethene	ug/L	50	49.0	98	76-126	
Trichlorofluoromethane	ug/L	50	63.8	128	76-149	
Vinyl chloride	ug/L	50	54.2	108	59-126	
Xylene (Total)	ug/L	150	152	101	70-124	
4-Bromofluorobenzene (S)	%			105	80-114	
Dibromofluoromethane (S)	%			103	79-116	
Toluene-d8 (S)	%			98	81-110	

MATRIX SPIKE SAMPLE: 1099555

Parameter	Units	5097742006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	59.3	119	60-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	43.9	88	55-128	
1,1,2-Trichloroethane	ug/L	ND	50	47.0	94	61-139	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	53.2	106	55-151	
1,1-Dichloroethane	ug/L	ND	50	50.8	102	57-147	
1,1-Dichloroethene	ug/L	ND	50	55.5	106	55-145	
1,2,4-Trichlorobenzene	ug/L	ND	50	38.0	76	25-143	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	55.3	111	37-130	
1,2-Dibromoethane (EDB)	ug/L	ND	50	48.6	97	63-129	
1,2-Dichlorobenzene	ug/L	ND	50	42.7	85	38-136	
1,2-Dichloroethane	ug/L	ND	50	55.7	111	62-138	
1,2-Dichloropropane	ug/L	ND	50	48.7	97	59-130	
1,3-Dichlorobenzene	ug/L	ND	50	41.5	83	28-141	
1,4-Dichlorobenzene	ug/L	ND	50	42.9	86	30-139	
2-Butanone (MEK)	ug/L	219	250	404	74	37-156	
2-Hexanone	ug/L	ND	250	257	103	44-143	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	259	103	46-144	
Acetone	ug/L	ND	250	386	124	39-156	
Benzene	ug/L	ND	50	54.8	104	62-129	
Bromodichloromethane	ug/L	ND	50	57.8	116	50-142	

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

MATRIX SPIKE SAMPLE: 1099555		5097742006	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromoform	ug/L	ND	50	50.4	101	36-125	
Bromomethane	ug/L	ND	50	76.6	153	13-179	
Carbon disulfide	ug/L	ND	100	106	106	45-142	
Carbon tetrachloride	ug/L	ND	50	59.8	120	46-142	
Chlorobenzene	ug/L	ND	50	46.5	93	49-136	
Chloroethane	ug/L	ND	50	62.9	126	47-160	
Chloroform	ug/L	ND	50	53.7	107	54-150	
Chloromethane	ug/L	ND	50	59.5	119	30-148	
cis-1,2-Dichloroethene	ug/L	1240	50	1250	25	60-135	M0
cis-1,3-Dichloropropene	ug/L	ND	50	51.6	103	52-123	
Cyclohexane	ug/L	ND	50	50.1J	100	43-135	N2
Dibromochloromethane	ug/L	ND	50	58.1	116	48-125	
Dichlorodifluoromethane	ug/L	ND	50	69.4	139	24-197	
Ethylbenzene	ug/L	ND	50	46.3	93	28-153	
Isopropylbenzene (Cumene)	ug/L	ND	50	50.8	102	18-152	
Methyl acetate	ug/L	ND	50	665	1320	10-125	M0,N2
Methyl-tert-butyl ether	ug/L	ND	100	93.1	93	63-130	
Methylcyclohexane	ug/L	ND	50	ND	88	32-155	N2
Methylene Chloride	ug/L	ND	50	54.7	109	45-156	
Styrene	ug/L	ND	50	50.3	101	36-139	
Tetrachloroethene	ug/L	14.6	50	61.1	93	33-151	
Toluene	ug/L	ND	50	48.1	96	50-132	
trans-1,2-Dichloroethene	ug/L	ND	50	50.3	96	40-153	
trans-1,3-Dichloropropene	ug/L	ND	50	45.0	90	48-122	
Trichloroethene	ug/L	5.3	50	57.3	104	50-143	
Trichlorofluoromethane	ug/L	ND	50	68.2	136	60-175	
Vinyl chloride	ug/L	148	50	200	104	44-145	
Xylene (Total)	ug/L	ND	150	146	97	29-145	
4-Bromofluorobenzene (S)	%				104	80-114	
Dibromofluoromethane (S)	%				108	79-116	
Toluene-d8 (S)	%				99	81-110	

SAMPLE DUPLICATE: 1099554

Parameter	Units	5097742005	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	ND		20	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,2-Trichloroethane	ug/L	ND	ND		20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		20	
1,1-Dichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethene	ug/L	ND	ND		20	
1,2,4-Trichlorobenzene	ug/L	ND	ND		20	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		20	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1,2-Dichlorobenzene	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

SAMPLE DUPLICATE: 1099554

Parameter	Units	5097742005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		20	
1,2-Dichloropropane	ug/L	ND	ND		20	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2-Butanone (MEK)	ug/L	81.8	82.4	1	20	
2-Hexanone	ug/L	ND	ND		20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		20	
Acetone	ug/L	ND	ND		20	
Benzene	ug/L	ND	ND		20	
Bromodichloromethane	ug/L	ND	ND		20	
Bromoform	ug/L	ND	ND		20	
Bromomethane	ug/L	ND	ND		20	
Carbon disulfide	ug/L	ND	ND		20	
Carbon tetrachloride	ug/L	ND	ND		20	
Chlorobenzene	ug/L	ND	ND		20	
Chloroethane	ug/L	ND	ND		20	
Chloroform	ug/L	ND	ND		20	
Chloromethane	ug/L	ND	ND		20	
cis-1,2-Dichloroethene	ug/L	21.5	22.1	3	20	
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Cyclohexane	ug/L	ND	ND		20	N2
Dibromochloromethane	ug/L	ND	ND		20	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Isopropylbenzene (Cumene)	ug/L	ND	ND		20	
Methyl acetate	ug/L	ND	ND		20	N2
Methyl-tert-butyl ether	ug/L	ND	ND		20	
Methylcyclohexane	ug/L	ND	ND		20	N2
Methylene Chloride	ug/L	ND	ND		20	
Styrene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	ND		20	
Toluene	ug/L	ND	ND		20	
trans-1,2-Dichloroethene	ug/L	ND	3.0J		20	
trans-1,3-Dichloropropene	ug/L	ND	ND		20	
Trichloroethene	ug/L	ND	1.7J		20	
Trichlorofluoromethane	ug/L	ND	ND		20	
Vinyl chloride	ug/L	17.7	19.3	9	20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%	98	100	1		
Dibromofluoromethane (S)	%	109	104	4		
Toluene-d8 (S)	%	97	97	0		

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

QC Batch: MSV/65050

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 5097643013

METHOD BLANK: 1099573

Matrix: Water

Associated Lab Samples: 5097643013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	05/23/14 13:24	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/23/14 13:24	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/23/14 13:24	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	05/23/14 13:24	
1,1-Dichloroethane	ug/L	ND	5.0	05/23/14 13:24	
1,1-Dichloroethene	ug/L	ND	5.0	05/23/14 13:24	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	05/23/14 13:24	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	05/23/14 13:24	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	05/23/14 13:24	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/23/14 13:24	
1,2-Dichloroethane	ug/L	ND	5.0	05/23/14 13:24	
1,2-Dichloropropane	ug/L	ND	5.0	05/23/14 13:24	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/23/14 13:24	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/23/14 13:24	
2-Butanone (MEK)	ug/L	ND	25.0	05/23/14 13:24	
2-Hexanone	ug/L	ND	25.0	05/23/14 13:24	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	05/23/14 13:24	
Acetone	ug/L	ND	100	05/23/14 13:24	
Benzene	ug/L	ND	5.0	05/23/14 13:24	
Bromodichloromethane	ug/L	ND	5.0	05/23/14 13:24	
Bromoform	ug/L	ND	5.0	05/23/14 13:24	
Bromomethane	ug/L	ND	5.0	05/23/14 13:24	
Carbon disulfide	ug/L	ND	10.0	05/23/14 13:24	
Carbon tetrachloride	ug/L	ND	5.0	05/23/14 13:24	
Chlorobenzene	ug/L	ND	5.0	05/23/14 13:24	
Chloroethane	ug/L	ND	5.0	05/23/14 13:24	
Chloroform	ug/L	ND	5.0	05/23/14 13:24	
Chloromethane	ug/L	ND	5.0	05/23/14 13:24	
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/23/14 13:24	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/23/14 13:24	
Cyclohexane	ug/L	ND	100	05/23/14 13:24	N2
Dibromochloromethane	ug/L	ND	5.0	05/23/14 13:24	
Dichlorodifluoromethane	ug/L	ND	5.0	05/23/14 13:24	
Ethylbenzene	ug/L	ND	5.0	05/23/14 13:24	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	05/23/14 13:24	
Methyl acetate	ug/L	ND	50.0	05/23/14 13:24	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	05/23/14 13:24	
Methylcyclohexane	ug/L	ND	50.0	05/23/14 13:24	N2
Methylene Chloride	ug/L	ND	5.0	05/23/14 13:24	
Styrene	ug/L	ND	5.0	05/23/14 13:24	
Tetrachloroethene	ug/L	ND	5.0	05/23/14 13:24	

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

METHOD BLANK: 1099573

Matrix: Water

Associated Lab Samples: 5097643013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	05/23/14 13:24	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/23/14 13:24	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/23/14 13:24	
Trichloroethene	ug/L	ND	5.0	05/23/14 13:24	
Trichlorofluoromethane	ug/L	ND	5.0	05/23/14 13:24	
Vinyl chloride	ug/L	ND	2.0	05/23/14 13:24	
Xylene (Total)	ug/L	ND	10.0	05/23/14 13:24	
4-Bromofluorobenzene (S)	%	99	80-114	05/23/14 13:24	
Dibromofluoromethane (S)	%	103	79-116	05/23/14 13:24	
Toluene-d8 (S)	%	98	81-110	05/23/14 13:24	

LABORATORY CONTROL SAMPLE: 1099574

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	56.7	113	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	48.6	97	66-126	
1,1,2-Trichloroethane	ug/L	50	51.1	102	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	57.1	114	68-139	
1,1-Dichloroethane	ug/L	50	46.2	92	75-130	
1,1-Dichloroethene	ug/L	50	52.0	104	68-127	
1,2,4-Trichlorobenzene	ug/L	50	54.7	109	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	51.6	103	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	53.7	107	76-125	
1,2-Dichlorobenzene	ug/L	50	50.5	101	75-123	
1,2-Dichloroethane	ug/L	50	57.2	114	75-128	
1,2-Dichloropropane	ug/L	50	50.1	100	74-121	
1,3-Dichlorobenzene	ug/L	50	48.9	98	74-122	
1,4-Dichlorobenzene	ug/L	50	48.7	97	76-120	
2-Butanone (MEK)	ug/L	250	333	133	58-139	
2-Hexanone	ug/L	250	318	127	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	291	116	58-138	
Acetone	ug/L	250	476	190	49-150	L0
Benzene	ug/L	50	48.5	97	74-122	
Bromodichloromethane	ug/L	50	58.2	116	62-136	
Bromoform	ug/L	50	50.4	101	44-134	
Bromomethane	ug/L	50	58.9	118	22-181	
Carbon disulfide	ug/L	100	105	105	59-132	
Carbon tetrachloride	ug/L	50	59.1	118	56-137	
Chlorobenzene	ug/L	50	50.0	100	78-123	
Chloroethane	ug/L	50	59.4	119	60-144	
Chloroform	ug/L	50	51.9	104	78-126	
Chloromethane	ug/L	50	51.2	102	42-134	
cis-1,2-Dichloroethene	ug/L	50	46.2	92	75-122	
cis-1,3-Dichloropropene	ug/L	50	55.4	111	64-126	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

LABORATORY CONTROL SAMPLE: 1099574

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	52.3J	105	62-119	N2
Dibromochloromethane	ug/L	50	57.8	116	58-128	
Dichlorodifluoromethane	ug/L	50	66.4	133	35-181	
Ethylbenzene	ug/L	50	50.1	100	66-133	
Isopropylbenzene (Cumene)	ug/L	50	57.1	114	69-124	
Methyl acetate	ug/L	50	63.0	126	10-142	N2
Methyl-tert-butyl ether	ug/L	100	106	106	69-122	
Methylcyclohexane	ug/L	50	54.7	109	63-130	N2
Methylene Chloride	ug/L	50	52.2	104	68-132	
Styrene	ug/L	50	53.4	107	74-126	
Tetrachloroethene	ug/L	50	49.3	99	69-130	
Toluene	ug/L	50	49.6	99	72-122	
trans-1,2-Dichloroethene	ug/L	50	48.2	96	72-124	
trans-1,3-Dichloropropene	ug/L	50	47.6	95	64-121	
Trichloroethene	ug/L	50	51.3	103	76-126	
Trichlorofluoromethane	ug/L	50	64.7	129	76-149	
Vinyl chloride	ug/L	50	50.8	102	59-126	
Xylene (Total)	ug/L	150	157	105	70-124	
4-Bromofluorobenzene (S)	%			108	80-114	
Dibromofluoromethane (S)	%			107	79-116	
Toluene-d8 (S)	%			100	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1099575 1099576

Parameter	Units	5097643013		MS		MSD		MS		MSD		% Rec		Max		Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Conc.	% Rec	% Rec	% Rec	% Rec	Limits	RPD	RPD	RPD	
1,1,1-Trichloroethane	ug/L	ND	50	50	50	56.1	57.0	112	114	60-138	2	20				
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	50	41.7	43.9	83	88	55-128	5	20				
1,1,2-Trichloroethane	ug/L	ND	50	50	50	47.8	50.3	96	101	61-139	5	20				
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	50	56.1	57.4	112	115	55-151	2	20				
1,1-Dichloroethane	ug/L	ND	50	50	50	53.7	47.5	107	95	57-147	12	20				
1,1-Dichloroethene	ug/L	ND	50	50	50	52.3	52.4	105	105	55-145	0	20				
1,2,4-Trichlorobenzene	ug/L	ND	50	50	50	47.2	51.4	94	103	25-143	9	20				
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	50	43.9	48.7	88	97	37-130	10	20				
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	50	46.3	51.1	93	102	63-129	10	20				
1,2-Dichlorobenzene	ug/L	ND	50	50	50	45.9	47.9	92	96	38-136	4	20				
1,2-Dichloroethane	ug/L	ND	50	50	50	56.3	56.5	113	113	62-138	0	20				
1,2-Dichloropropane	ug/L	ND	50	50	50	47.6	48.0	95	96	59-130	1	20				
1,3-Dichlorobenzene	ug/L	ND	50	50	50	44.3	46.0	89	92	28-141	4	20				
1,4-Dichlorobenzene	ug/L	ND	50	50	50	45.2	46.9	90	94	30-139	4	20				
2-Butanone (MEK)	ug/L	ND	250	250	250	256	274	102	109	37-156	7	20				
2-Hexanone	ug/L	ND	250	250	250	246	271	98	108	44-143	10	20				
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	250	245	268	98	107	46-144	9	20				
Acetone	ug/L	66.9J	250	250	250	361	383	117	127	39-156	6	20				
Benzene	ug/L	ND	50	50	50	48.6	49.9	97	100	62-129	3	20				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1099575 1099576											
Parameter	Units	5097643013		MS	MSD	MS		MSD	% Rec	Max	
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	RPD
Bromodichloromethane	ug/L	ND	50	50	50	55.7	57.3	111	115	50-142	3
Bromoform	ug/L	ND	50	50	50	42.0	46.6	84	93	36-125	10
Bromomethane	ug/L	ND	50	50	50	51.1	60.2	102	120	13-179	16
Carbon disulfide	ug/L	ND	100	100	100	105	109	105	109	45-142	4
Carbon tetrachloride	ug/L	ND	50	50	50	58.1	59.9	116	120	46-142	3
Chlorobenzene	ug/L	ND	50	50	50	46.5	47.9	93	96	49-136	3
Chloroethane	ug/L	ND	50	50	50	59.4	62.1	119	124	47-160	4
Chloroform	ug/L	ND	50	50	50	52.7	53.3	105	107	54-150	1
Chloromethane	ug/L	ND	50	50	50	49.0	52.1	98	104	30-148	6
cis-1,2-Dichloroethene	ug/L	ND	50	50	50	45.6	46.6	91	93	60-135	2
cis-1,3-Dichloropropene	ug/L	ND	50	50	50	45.7	50.1	91	100	52-123	9
Cyclohexane	ug/L	ND	50	50	50	51.1J	52.8J	102	106	43-135	20 N2
Dibromochloromethane	ug/L	ND	50	50	50	50.9	56.5	102	113	48-125	10
Dichlorodifluoromethane	ug/L	ND	50	50	50	64.9	66.9	130	134	24-197	3
Ethylbenzene	ug/L	ND	50	50	50	46.2	48.7	92	97	28-153	5
Isopropylbenzene (Cumene)	ug/L	ND	50	50	50	52.9	54.4	106	109	18-152	3
Methyl acetate	ug/L	ND	50	50	50	47.9J	51.0	96	102	10-125	20 N2
Methyl-tert-butyl ether	ug/L	ND	100	100	100	98.7	105	99	105	63-130	6
Methylcyclohexane	ug/L	ND	50	50	50	50.8	52.1	102	104	32-155	3
Methylene Chloride	ug/L	ND	50	50	50	49.9	50.9	100	102	45-156	2
Styrene	ug/L	ND	50	50	50	49.1	50.2	98	100	36-139	2
Tetrachloroethene	ug/L	ND	50	50	50	45.3	47.0	91	94	33-151	4
Toluene	ug/L	ND	50	50	50	47.2	48.6	94	97	50-132	3
trans-1,2-Dichloroethene	ug/L	ND	50	50	50	48.3	50.1	97	100	40-153	4
trans-1,3-Dichloropropene	ug/L	ND	50	50	50	38.9	43.5	78	87	48-122	11
Trichloroethene	ug/L	ND	50	50	50	50.0	50.3	100	101	50-143	1
Trichlorofluoromethane	ug/L	ND	50	50	50	66.4	68.9	133	138	60-175	4
Vinyl chloride	ug/L	ND	50	50	50	50.1	52.5	100	105	44-145	5
Xylene (Total)	ug/L	ND	150	150	150	146	151	98	101	29-145	3
4-Bromofluorobenzene (S)	%							106	106	80-114	
Dibromofluoromethane (S)	%							109	105	79-116	
Toluene-d8 (S)	%							98	98	81-110	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

QC Batch: MSV/65052

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 5097643001, 5097643002

METHOD BLANK: 1099586

Matrix: Water

Associated Lab Samples: 5097643001, 5097643002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	05/23/14 13:41	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/23/14 13:41	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/23/14 13:41	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	05/23/14 13:41	
1,1-Dichloroethane	ug/L	ND	5.0	05/23/14 13:41	
1,1-Dichloroethene	ug/L	ND	5.0	05/23/14 13:41	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	05/23/14 13:41	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	05/23/14 13:41	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	05/23/14 13:41	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/23/14 13:41	
1,2-Dichloroethane	ug/L	ND	5.0	05/23/14 13:41	
1,2-Dichloropropane	ug/L	ND	5.0	05/23/14 13:41	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/23/14 13:41	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/23/14 13:41	
2-Butanone (MEK)	ug/L	ND	25.0	05/23/14 13:41	
2-Hexanone	ug/L	ND	25.0	05/23/14 13:41	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	05/23/14 13:41	
Acetone	ug/L	ND	100	05/23/14 13:41	
Benzene	ug/L	ND	5.0	05/23/14 13:41	
Bromodichloromethane	ug/L	ND	5.0	05/23/14 13:41	
Bromoform	ug/L	ND	5.0	05/23/14 13:41	
Bromomethane	ug/L	ND	5.0	05/23/14 13:41	
Carbon disulfide	ug/L	ND	10.0	05/23/14 13:41	
Carbon tetrachloride	ug/L	ND	5.0	05/23/14 13:41	
Chlorobenzene	ug/L	ND	5.0	05/23/14 13:41	
Chloroethane	ug/L	ND	5.0	05/23/14 13:41	
Chloroform	ug/L	ND	5.0	05/23/14 13:41	
Chloromethane	ug/L	ND	5.0	05/23/14 13:41	
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/23/14 13:41	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/23/14 13:41	
Cyclohexane	ug/L	ND	100	05/23/14 13:41	N2
Dibromochloromethane	ug/L	ND	5.0	05/23/14 13:41	
Dichlorodifluoromethane	ug/L	ND	5.0	05/23/14 13:41	
Ethylbenzene	ug/L	ND	5.0	05/23/14 13:41	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	05/23/14 13:41	
Methyl acetate	ug/L	ND	50.0	05/23/14 13:41	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	05/23/14 13:41	
Methylcyclohexane	ug/L	ND	50.0	05/23/14 13:41	N2
Methylene Chloride	ug/L	ND	5.0	05/23/14 13:41	
Styrene	ug/L	ND	5.0	05/23/14 13:41	
Tetrachloroethene	ug/L	ND	5.0	05/23/14 13:41	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

METHOD BLANK: 1099586

Matrix: Water

Associated Lab Samples: 5097643001, 5097643002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	05/23/14 13:41	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/23/14 13:41	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/23/14 13:41	
Trichloroethene	ug/L	ND	5.0	05/23/14 13:41	
Trichlorofluoromethane	ug/L	ND	5.0	05/23/14 13:41	
Vinyl chloride	ug/L	ND	2.0	05/23/14 13:41	
Xylene (Total)	ug/L	ND	10.0	05/23/14 13:41	
4-Bromofluorobenzene (S)	%	100	80-114	05/23/14 13:41	
Dibromofluoromethane (S)	%	105	79-116	05/23/14 13:41	
Toluene-d8 (S)	%	98	81-110	05/23/14 13:41	

LABORATORY CONTROL SAMPLE: 1099587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.4	111	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	48.5	97	66-126	
1,1,2-Trichloroethane	ug/L	50	51.2	102	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	55.6	111	68-139	
1,1-Dichloroethane	ug/L	50	48.9	98	75-130	
1,1-Dichloroethene	ug/L	50	49.5	99	68-127	
1,2,4-Trichlorobenzene	ug/L	50	56.6	113	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	53.2	106	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	54.4	109	76-125	
1,2-Dichlorobenzene	ug/L	50	48.6	97	75-123	
1,2-Dichloroethane	ug/L	50	56.7	113	75-128	
1,2-Dichloropropane	ug/L	50	48.2	96	74-121	
1,3-Dichlorobenzene	ug/L	50	47.8	96	74-122	
1,4-Dichlorobenzene	ug/L	50	49.1	98	76-120	
2-Butanone (MEK)	ug/L	250	250	100	58-139	
2-Hexanone	ug/L	250	276	110	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	268	107	58-138	
Acetone	ug/L	250	382	153	49-150	L0
Benzene	ug/L	50	50.2	100	74-122	
Bromodichloromethane	ug/L	50	56.5	113	62-136	
Bromoform	ug/L	50	51.9	104	44-134	
Bromomethane	ug/L	50	71.9	144	22-181	
Carbon disulfide	ug/L	100	102	102	59-132	
Carbon tetrachloride	ug/L	50	54.1	108	56-137	
Chlorobenzene	ug/L	50	49.6	99	78-123	
Chloroethane	ug/L	50	60.4	121	60-144	
Chloroform	ug/L	50	52.3	105	78-126	
Chloromethane	ug/L	50	54.5	109	42-134	
cis-1,2-Dichloroethene	ug/L	50	47.3	95	75-122	
cis-1,3-Dichloropropene	ug/L	50	57.4	115	64-126	

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

LABORATORY CONTROL SAMPLE: 1099587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	50.0J	100	62-119	N2
Dibromochloromethane	ug/L	50	62.1	124	58-128	
Dichlorodifluoromethane	ug/L	50	68.4	137	35-181	
Ethylbenzene	ug/L	50	49.4	99	66-133	
Isopropylbenzene (Cumene)	ug/L	50	57.4	115	69-124	
Methyl acetate	ug/L	50	62.5	125	10-142	N2
Methyl-tert-butyl ether	ug/L	100	103	103	69-122	
Methylcyclohexane	ug/L	50	53.5	107	63-130	N2
Methylene Chloride	ug/L	50	53.5	107	68-132	
Styrene	ug/L	50	54.0	108	74-126	
Tetrachloroethene	ug/L	50	49.6	99	69-130	
Toluene	ug/L	50	49.7	99	72-122	
trans-1,2-Dichloroethene	ug/L	50	48.2	96	72-124	
trans-1,3-Dichloropropene	ug/L	50	47.1	94	64-121	
Trichloroethene	ug/L	50	50.2	100	76-126	
Trichlorofluoromethane	ug/L	50	63.6	127	76-149	
Vinyl chloride	ug/L	50	54.4	109	59-126	
Xylene (Total)	ug/L	150	155	103	70-124	
4-Bromofluorobenzene (S)	%			107	80-114	
Dibromofluoromethane (S)	%			106	79-116	
Toluene-d8 (S)	%			99	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1099588 1099589

Parameter	Units	5097643001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
			Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/L	ND	50	50	59.5	57.8	119	116	60-138	3	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	47.4	42.0	95	84	55-128	12	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	52.0	46.9	104	94	61-139	10	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	57.6	57.6	115	115	55-151	0	20	
1,1-Dichloroethane	ug/L	ND	50	50	60.2	51.8	120	104	57-147	15	20	
1,1-Dichloroethene	ug/L	ND	50	50	54.4	53.2	109	106	55-145	2	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	52.4	52.5	105	105	25-143	0	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	49.2	48.0	98	96	37-130	2	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	53.2	49.4	106	99	63-129	7	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	48.5	45.8	97	92	38-136	6	20	
1,2-Dichloroethane	ug/L	ND	50	50	60.0	55.5	120	111	62-138	8	20	
1,2-Dichloropropane	ug/L	ND	50	50	50.1	48.2	100	96	59-130	4	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	47.9	45.6	96	91	28-141	5	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	47.9	46.1	96	92	30-139	4	20	
2-Butanone (MEK)	ug/L	ND	250	250	257	220	103	88	37-156	16	20	
2-Hexanone	ug/L	ND	250	250	262	233	105	93	44-143	12	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	267	241	107	97	46-144	10	20	
Acetone	ug/L	63.4J	250	250	447	404	153	136	39-156	10	20	
Benzene	ug/L	ND	50	50	51.3	50.5	103	101	62-129	2	20	

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1099588 1099589											
Parameter	Units	5097643001		MS	MSD	MS		MSD	% Rec	Max	
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	RPD
Bromodichloromethane	ug/L	ND	50	50	50	59.0	56.3	118	113	50-142	5
Bromoform	ug/L	ND	50	50	50	49.6	48.6	99	97	36-125	2
Bromomethane	ug/L	ND	50	50	50	64.3	94.2	129	188	13-179	38
Carbon disulfide	ug/L	ND	100	100	100	106	105	106	105	45-142	1
Carbon tetrachloride	ug/L	ND	50	50	50	55.7	55.0	111	110	46-142	1
Chlorobenzene	ug/L	ND	50	50	50	49.7	47.2	99	94	49-136	5
Chloroethane	ug/L	ND	50	50	50	63.0	62.8	126	126	47-160	0
Chloroform	ug/L	ND	50	50	50	54.9	52.3	110	105	54-150	5
Chloromethane	ug/L	ND	50	50	50	56.6	58.6	113	117	30-148	4
cis-1,2-Dichloroethene	ug/L	3.0J	50	50	50	49.7	49.4	93	93	60-135	1
cis-1,3-Dichloropropene	ug/L	ND	50	50	50	56.0	52.6	112	105	52-123	6
Cyclohexane	ug/L	ND	50	50	50	53.4J	52.3J	107	105	43-135	20
Dibromochloromethane	ug/L	ND	50	50	50	62.5	57.9	125	116	48-125	8
Dichlorodifluoromethane	ug/L	ND	50	50	50	73.2	71.8	146	144	24-197	2
Ethylbenzene	ug/L	ND	50	50	50	49.4	48.0	99	96	28-153	3
Isopropylbenzene (Cumene)	ug/L	ND	50	50	50	57.7	56.2	115	112	18-152	3
Methyl acetate	ug/L	ND	50	50	50	49.2J	47.6J	98	95	10-125	20
Methyl-tert-butyl ether	ug/L	ND	100	100	100	104	97.9	104	98	63-130	6
Methylcyclohexane	ug/L	ND	50	50	50	54.9	54.1	110	108	32-155	2
Methylene Chloride	ug/L	ND	50	50	50	52.4	51.3	105	103	45-156	2
Styrene	ug/L	ND	50	50	50	53.5	50.6	107	101	36-139	6
Tetrachloroethene	ug/L	ND	50	50	50	51.6	49.1	103	98	33-151	5
Toluene	ug/L	ND	50	50	50	51.0	48.4	102	97	50-132	5
trans-1,2-Dichloroethene	ug/L	ND	50	50	50	48.9	49.6	98	99	40-153	1
trans-1,3-Dichloropropene	ug/L	ND	50	50	50	45.1	42.1	90	84	48-122	7
Trichloroethene	ug/L	ND	50	50	50	51.1	49.0	102	98	50-143	4
Trichlorofluoromethane	ug/L	ND	50	50	50	70.9	69.1	142	138	60-175	3
Vinyl chloride	ug/L	ND	50	50	50	57.1	56.7	114	113	44-145	1
Xylene (Total)	ug/L	ND	150	150	150	155	150	103	100	29-145	3
4-Bromofluorobenzene (S)	%							107	106	80-114	
Dibromofluoromethane (S)	%							107	105	79-116	
Toluene-d8 (S)	%							101	100	81-110	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

QC Batch: MSV/65078

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV

Associated Lab Samples: 5097643003

METHOD BLANK: 1100031

Matrix: Water

Associated Lab Samples: 5097643003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	05/24/14 11:06	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/24/14 11:06	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/24/14 11:06	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	05/24/14 11:06	
1,1-Dichloroethane	ug/L	ND	5.0	05/24/14 11:06	
1,1-Dichloroethene	ug/L	ND	5.0	05/24/14 11:06	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	05/24/14 11:06	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	05/24/14 11:06	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	05/24/14 11:06	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/24/14 11:06	
1,2-Dichloroethane	ug/L	ND	5.0	05/24/14 11:06	
1,2-Dichloropropane	ug/L	ND	5.0	05/24/14 11:06	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/24/14 11:06	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/24/14 11:06	
2-Butanone (MEK)	ug/L	ND	25.0	05/24/14 11:06	
2-Hexanone	ug/L	ND	25.0	05/24/14 11:06	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	05/24/14 11:06	
Acetone	ug/L	ND	100	05/24/14 11:06	
Benzene	ug/L	ND	5.0	05/24/14 11:06	
Bromodichloromethane	ug/L	ND	5.0	05/24/14 11:06	
Bromoform	ug/L	ND	5.0	05/24/14 11:06	
Bromomethane	ug/L	ND	5.0	05/24/14 11:06	
Carbon disulfide	ug/L	ND	10.0	05/24/14 11:06	
Carbon tetrachloride	ug/L	ND	5.0	05/24/14 11:06	
Chlorobenzene	ug/L	ND	5.0	05/24/14 11:06	
Chloroethane	ug/L	ND	5.0	05/24/14 11:06	
Chloroform	ug/L	ND	5.0	05/24/14 11:06	
Chloromethane	ug/L	ND	5.0	05/24/14 11:06	
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/24/14 11:06	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/24/14 11:06	
Cyclohexane	ug/L	ND	100	05/24/14 11:06	N2
Dibromochloromethane	ug/L	ND	5.0	05/24/14 11:06	
Dichlorodifluoromethane	ug/L	ND	5.0	05/24/14 11:06	
Ethylbenzene	ug/L	ND	5.0	05/24/14 11:06	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	05/24/14 11:06	
Methyl acetate	ug/L	ND	50.0	05/24/14 11:06	N2
Methyl-tert-butyl ether	ug/L	ND	4.0	05/24/14 11:06	
Methylcyclohexane	ug/L	ND	50.0	05/24/14 11:06	N2
Methylene Chloride	ug/L	ND	5.0	05/24/14 11:06	
Styrene	ug/L	ND	5.0	05/24/14 11:06	
Tetrachloroethene	ug/L	ND	5.0	05/24/14 11:06	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

METHOD BLANK: 1100031

Matrix: Water

Associated Lab Samples: 5097643003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	05/24/14 11:06	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/24/14 11:06	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/24/14 11:06	
Trichloroethene	ug/L	ND	5.0	05/24/14 11:06	
Trichlorofluoromethane	ug/L	ND	5.0	05/24/14 11:06	
Vinyl chloride	ug/L	ND	2.0	05/24/14 11:06	
Xylene (Total)	ug/L	ND	10.0	05/24/14 11:06	
4-Bromofluorobenzene (S)	%	97	80-114	05/24/14 11:06	
Dibromofluoromethane (S)	%	103	79-116	05/24/14 11:06	
Toluene-d8 (S)	%	99	81-110	05/24/14 11:06	

LABORATORY CONTROL SAMPLE: 1100032

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.4	109	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	48.0	96	66-126	
1,1,2-Trichloroethane	ug/L	50	49.8	100	77-130	
1,1,2-Trichlorotrifluoroethane	ug/L	50	52.9	106	68-139	
1,1-Dichloroethane	ug/L	50	56.2	112	75-130	
1,1-Dichloroethene	ug/L	50	49.1	98	68-127	
1,2,4-Trichlorobenzene	ug/L	50	52.7	105	68-131	
1,2-Dibromo-3-chloropropane	ug/L	50	52.0	104	64-124	
1,2-Dibromoethane (EDB)	ug/L	50	52.2	104	76-125	
1,2-Dichlorobenzene	ug/L	50	48.7	97	75-123	
1,2-Dichloroethane	ug/L	50	54.7	109	75-128	
1,2-Dichloropropane	ug/L	50	49.5	99	74-121	
1,3-Dichlorobenzene	ug/L	50	48.0	96	74-122	
1,4-Dichlorobenzene	ug/L	50	48.2	96	76-120	
2-Butanone (MEK)	ug/L	250	252	101	58-139	
2-Hexanone	ug/L	250	273	109	54-140	
4-Methyl-2-pentanone (MIBK)	ug/L	250	275	110	58-138	
Acetone	ug/L	250	350	140	49-150	
Benzene	ug/L	50	49.7	99	74-122	
Bromodichloromethane	ug/L	50	55.3	111	62-136	
Bromoform	ug/L	50	52.0	104	44-134	
Bromomethane	ug/L	50	72.4	145	22-181	
Carbon disulfide	ug/L	100	100	100	59-132	
Carbon tetrachloride	ug/L	50	54.3	109	56-137	
Chlorobenzene	ug/L	50	48.6	97	78-123	
Chloroethane	ug/L	50	58.8	118	60-144	
Chloroform	ug/L	50	50.7	101	78-126	
Chloromethane	ug/L	50	52.7	105	42-134	
cis-1,2-Dichloroethene	ug/L	50	45.8	92	75-122	
cis-1,3-Dichloropropene	ug/L	50	57.4	115	64-126	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

LABORATORY CONTROL SAMPLE: 1100032

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	51.2J	102	62-119	N2
Dibromochloromethane	ug/L	50	60.4	121	58-128	
Dichlorodifluoromethane	ug/L	50	64.9	130	35-181	
Ethylbenzene	ug/L	50	48.6	97	66-133	
Isopropylbenzene (Cumene)	ug/L	50	55.8	112	69-124	
Methyl acetate	ug/L	50	58.4	117	10-142	N2
Methyl-tert-butyl ether	ug/L	100	99.5	100	69-122	
Methylcyclohexane	ug/L	50	53.3	107	63-130	N2
Methylene Chloride	ug/L	50	51.1	102	68-132	
Styrene	ug/L	50	53.0	106	74-126	
Tetrachloroethene	ug/L	50	49.6	99	69-130	
Toluene	ug/L	50	48.7	97	72-122	
trans-1,2-Dichloroethene	ug/L	50	46.6	93	72-124	
trans-1,3-Dichloropropene	ug/L	50	46.3	93	64-121	
Trichloroethene	ug/L	50	49.7	99	76-126	
Trichlorofluoromethane	ug/L	50	58.6	117	76-149	
Vinyl chloride	ug/L	50	53.9	108	59-126	
Xylene (Total)	ug/L	150	154	103	70-124	
4-Bromofluorobenzene (S)	%			103	80-114	
Dibromofluoromethane (S)	%			102	79-116	
Toluene-d8 (S)	%			99	81-110	

MATRIX SPIKE SAMPLE: 1100034

Parameter	Units	5097778005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	65.4	131	60-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	51.9	104	55-128	
1,1,2-Trichloroethane	ug/L	ND	50	56.5	113	61-139	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	60.7	121	55-151	
1,1-Dichloroethane	ug/L	ND	50	61.5	123	57-147	
1,1-Dichloroethene	ug/L	ND	50	61.4	123	55-145	
1,2,4-Trichlorobenzene	ug/L	ND	50	54.2	108	25-143	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	57.5	115	37-130	
1,2-Dibromoethane (EDB)	ug/L	ND	50	57.1	114	63-129	
1,2-Dichlorobenzene	ug/L	ND	50	52.1	104	38-136	
1,2-Dichloroethane	ug/L	ND	50	62.4	125	62-138	
1,2-Dichloropropane	ug/L	ND	50	57.9	116	59-130	
1,3-Dichlorobenzene	ug/L	ND	50	50.2	100	28-141	
1,4-Dichlorobenzene	ug/L	ND	50	51.3	103	30-139	
2-Butanone (MEK)	ug/L	ND	250	255	102	37-156	
2-Hexanone	ug/L	ND	250	279	112	44-143	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	291	116	46-144	
Acetone	ug/L	ND	250	339	136	39-156	
Benzene	ug/L	ND	50	58.8	118	62-129	
Bromodichloromethane	ug/L	ND	50	67.5	135	50-142	

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

MATRIX SPIKE SAMPLE: 1100034		5097778005	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Bromoform	ug/L	ND	50	59.1	118	36-125	
Bromomethane	ug/L	ND	50	97.8	196	13-179	M0
Carbon disulfide	ug/L	ND	100	124	124	45-142	
Carbon tetrachloride	ug/L	ND	50	63.7	127	46-142	
Chlorobenzene	ug/L	ND	50	54.0	108	49-136	
Chloroethane	ug/L	ND	50	71.7	143	47-160	
Chloroform	ug/L	ND	50	59.0	118	54-150	
Chloromethane	ug/L	ND	50	66.6	133	30-148	
cis-1,2-Dichloroethene	ug/L	30.7	50	82.5	103	60-135	
cis-1,3-Dichloropropene	ug/L	ND	50	62.3	125	52-123	M0
Cyclohexane	ug/L	ND	50	60.4J	121	43-135	N2
Dibromochloromethane	ug/L	ND	50	71.4	143	48-125	M0
Dichlorodifluoromethane	ug/L	ND	50	76.5	153	24-197	
Ethylbenzene	ug/L	ND	50	54.6	109	28-153	
Isopropylbenzene (Cumene)	ug/L	ND	50	61.2	122	18-152	
Methyl acetate	ug/L	ND	50	57.8	116	10-125	N2
Methyl-tert-butyl ether	ug/L	ND	100	113	113	63-130	
Methylcyclohexane	ug/L	ND	50	58.7	117	32-155	N2
Methylene Chloride	ug/L	ND	50	59.0	118	45-156	
Styrene	ug/L	ND	50	59.2	118	36-139	
Tetrachloroethene	ug/L	ND	50	56.1	112	33-151	
Toluene	ug/L	ND	50	55.0	110	50-132	
trans-1,2-Dichloroethene	ug/L	12.2	50	66.2	108	40-153	
trans-1,3-Dichloropropene	ug/L	ND	50	50.8	102	48-122	
Trichloroethene	ug/L	74.4	50	133	116	50-143	
Trichlorofluoromethane	ug/L	ND	50	75.0	150	60-175	
Vinyl chloride	ug/L	ND	50	66.9	134	44-145	
Xylene (Total)	ug/L	ND	150	170	113	29-145	
4-Bromofluorobenzene (S)	%				105	80-114	
Dibromofluoromethane (S)	%				107	79-116	
Toluene-d8 (S)	%				99	81-110	

SAMPLE DUPLICATE: 1100033

Parameter	Units	5097778004	Dup	RPD	Max	
		Result	Result		RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	ND		20	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,2-Trichloroethane	ug/L	ND	ND		20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		20	
1,1-Dichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethene	ug/L	ND	ND		20	
1,2,4-Trichlorobenzene	ug/L	ND	ND		20	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		20	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1,2-Dichlorobenzene	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: GM-Delco

Pace Project No.: 5097643

SAMPLE DUPLICATE: 1100033

Parameter	Units	5097778004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		20	
1,2-Dichloropropane	ug/L	ND	ND		20	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2-Butanone (MEK)	ug/L	ND	ND		20	
2-Hexanone	ug/L	ND	ND		20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		20	
Acetone	ug/L	ND	ND		20	
Benzene	ug/L	ND	ND		20	
Bromodichloromethane	ug/L	ND	ND		20	
Bromoform	ug/L	ND	ND		20	
Bromomethane	ug/L	ND	ND		20	
Carbon disulfide	ug/L	ND	ND		20	
Carbon tetrachloride	ug/L	ND	ND		20	
Chlorobenzene	ug/L	ND	ND		20	
Chloroethane	ug/L	ND	ND		20	
Chloroform	ug/L	ND	ND		20	
Chloromethane	ug/L	ND	ND		20	
cis-1,2-Dichloroethene	ug/L	ND	ND		20	
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Cyclohexane	ug/L	ND	ND		20	N2
Dibromochloromethane	ug/L	ND	ND		20	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Isopropylbenzene (Cumene)	ug/L	ND	ND		20	
Methyl acetate	ug/L	ND	ND		20	N2
Methyl-tert-butyl ether	ug/L	ND	ND		20	
Methylcyclohexane	ug/L	ND	ND		20	N2
Methylene Chloride	ug/L	ND	ND		20	
Styrene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	ND	ND		20	
Toluene	ug/L	ND	ND		20	
trans-1,2-Dichloroethene	ug/L	ND	ND		20	
trans-1,3-Dichloropropene	ug/L	ND	ND		20	
Trichloroethene	ug/L	ND	ND		20	
Trichlorofluoromethane	ug/L	ND	ND		20	
Vinyl chloride	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%	97	100	3		
Dibromofluoromethane (S)	%	109	107	1		
Toluene-d8 (S)	%	99	99	0		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: GM-Delco

Pace Project No.: 5097643

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CC The continuing calibration for this compound is outside of method control limits. The result is estimated.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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

N2 The lab does not hold TNI accreditation for this parameter.

R1 RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GM-Delco

Pace Project No.: 5097643

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5097643001	MW-0501-S1 (051314)	EPA 8260	MSV/65052		
5097643002	MW-0103-S1U (051314)	EPA 8260	MSV/65052		
5097643003	MW-0623-S1 (051314)	EPA 8260	MSV/65078		
5097643004	MW-0509-S1 (051314)	EPA 8260	MSV/65047		
5097643005	MW-0619-S1 (051314)	EPA 8260	MSV/65047		
5097643006	MW-0102-S1U (051314)	EPA 8260	MSV/65047		
5097643007	MW-0621-S1 (051314)	EPA 8260	MSV/65047		
5097643008	MW-0504-S1 (051314)	EPA 8260	MSV/65047		
5097643009	EB-1 (051314)	EPA 8260	MSV/65048		
5097643010	MW-0506-S1 (051314)	EPA 8260	MSV/65048		
5097643011	MW-0617-S1 (051314)	EPA 8260	MSV/65048		
5097643012	MW-0507-S1 (051314)	EPA 8260	MSV/65048		
5097643013	MW-0503-S1 (051314)	EPA 8260	MSV/65050		
5097643014	MW-0604-S1 (051314)	EPA 8260	MSV/65048		
5097643015	TB-2-BC	EPA 8260	MSV/65047		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A

Required Client Information:

Company:

ARCADIS

Address:

1326 Washington St Ste 600

Email To:

Indianapolis, IN 46204

Phone:

(317) 231-6500

Requested Due Date/TAT:

STAT

Section B

Required Project Information:

Report To:

Sam. Fisher @ arcadis - ind.com

Copy To:

Mr. Andrew Griles

Purchase Order No.:

JN 000884, 2014, 0006

Project Name:

GM-Delco Racer Trust

Project Number:

JN 000884, 2014, 0006

Section C

Invoice Information:

Attention:

Company Name:

Address:

Pace Quote Reference:

Pace Project Manager:

Donna Spyer

Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ RCRA ☐ UST ☐ DRINKING WATER ☐ OTHER

Site Location

IN

STATE:

Page:

1 of 2

1686377

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↑	Y/N	Requested Analysis Filtered (Y/N)												Pace Project No./ Lab I.D.
				COMPOSITE START	COMPOSITE END/GRAB			DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME														
1	MW-0501-SI (051314)	Drinking Water	G				9	05-13-14	0900							X													MS/MSD
2	MW-0103-SI (051314)	Drinking Water	G				3	05-13-14	0920							X													002
3	MW-0623-SI (051314)	Drinking Water	G				3	05-13-14	0940							X													003
4	MW-0509-SI (051314)	Drinking Water	G				3	05-13-14	0955							X													004
5	MW-0619-SI (051314)	Drinking Water	G				3	05-13-14	1015							X													005
6	MW-0102-SI (051314)	Drinking Water	G				3	05-13-14	1030							X													006
7	MW-0621-SI (051314)	Drinking Water	G				3	05-13-14	1045							X													007
8	MW-0504-SI (051314)	Drinking Water	G				3	05-13-14	1100							X													008
9	MW-0506-SI (051314)	Drinking Water	G				3	05-13-14	1115							X													009
10	MW-0617-SI (051314)	Drinking Water	G				3	05-13-14	1130							X													010
11	MW-0507-SI (051314)	Drinking Water	G				3	05-13-14	1145							X													011
12	MW-0507-SI (051314)	Drinking Water	G				3	05-13-14	1200							X													012

Additional Comments

Level IV QAC

Relinquished By / Affiliation

DATE

5/13/14

Accepted By / Affiliation

DATE

5/14/14

Sample Conditions

Temp In °C

5-13-14 15:00 1.0

Received on

Y

Sealed Cooler

N

Samples Intact

Y

Signature of Sampler

Brian Cosky

Print Name of Sampler

Brian Cosky

Date Signed (MM/DD/YY)

5/13/14

Page 60 of 64

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: ARCADES	Report To: Spesh-fisher@arcades-us.com	Company Name:	Attention:	Page: 2 of 2	
Address: 132 E Washington St Ste 600	Copy To: Matthew Griles	Address:		1686378	
Email To: Debra@paceanals.com	Purchase Order No.: IN000884	Pace Quote Reference:			
Phone: 317 231-6300	Project Name: GM-Delco Race Trust	Pace Project Manager:			
Requested Due Date/TAT: 5-14	Project Number: IN000884	Pace Profile #:			

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	DATE	TIME	DATE	TIME	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Requested Analysis Filtered (Y/N)				Pace Project No./ Lab I.D.
			COMPOSITE START	COMPOSITE END/GRAB													Preservatives	Analysis Test	Residual Chlorine (Y/N)	Received on Ice (Y/N)	
1	MW-003-SI(051314)	DW Drinking Water			G		05-13-14	12:15			Spesh-fisher@arcades-us.com	5/13/14	13:00	Spesh-fisher@arcades-us.com	5/13/14	13:00					MS/MSD
2	MW-004-SI(051314)	WW Waste Water			G		05-13-14	12:45			Spesh-fisher@arcades-us.com	5/13/14	13:00	Spesh-fisher@arcades-us.com	5/13/14	13:00					MS/MSD
3		WT Water																			
4		WP Waste Product																			
5		SL Soil/Solid																			
6		OL Oil																			
7		WP Wipe																			
8		AR Air																			
9		TS Tissue																			
10		OT Other																			
11																					
12																					

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt



Client Name: Arcadis Project # 5097043

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

Tracking #: _____

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

Date/Time 5035A kits placed in freezer _____

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other FORM

Thermometer Used 1234567890 ABCDE Type of Ice: ☒ Wet ☐ Blue ☐ None ☐ Samples on Ice, cooling process has begun

Cooler Temperature 1.0°C Ice Visible in Sample Containers: ☐ yes ☒ no

(Corrected, if applicable) Temp should be above freezing to 6°C Comments: _____ Date and Initials of person examining contents: CAP 5-13-14

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No ☐ N/A	5.
Rush Turn Around Time Requested:	☐ Yes ☒ No ☐ N/A	6.
Containers Intact:	☒ Yes ☐ No ☐ N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☒ Yes ☐ No ☐ N/A	8. <u>Rec. 3 trip blank not on COC</u>
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐ Yes ☐ No ☒ N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation (<2, >9, >12) unless otherwise noted.		
Headspace in VOA Vials (>6mm):	☒ Yes ☐ No ☐ N/A	10.
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	11.
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☒ Yes ☐ No ☐ N/A	12.
Sufficient Volume:	☒ Yes ☐ No ☐ N/A	13.
Correct Containers Used:	☒ Yes ☐ No ☐ N/A	14.

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: *R. O. M. A. S.* Date: 5-14-14

Sample Container Count



CLIENT: Arcadis

COC PAGE 1 of 2

COC ID# 1686377

Project # 5097643

Sample Line

Item	1	2	3	4	5	6	7	8	9	10	11	12	Comments
Sample Line													
Item													
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Container Codes

DG9H	40mL HCL amber vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WG9U	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber g	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gl	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

CLIENT: Arcadis

Sample Container Count



COC PAGE 2 of 2
COC ID# 1686378

Project # 5097643

Sample Line

Item	DG9H	AG1U	WGUF	AG0U	R	4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	BP3C	BP1U	SPST	pH <2	pH >12	Comments
1	9																			
2	3																			
3	3																			Trip blanks
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

Container Codes

DG9H	40mL HCL amber vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1 liter unpreserved amber glass	AG1H	1 liter HCL clear glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGUF	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber glass	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber glass	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber glass	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear glass	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

**RACER Trust
Former GM Delco Plant 5**

Data Review

KOKOMO, INDIANA

Volatile Organic Compounds Analyses

SDG #5097624

Analyses Performed By:
Pace Analytical
Indianapolis, Indiana

Report #21851R
Review Level: Tier II
Project: IN000884.2014.00007

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) #5097624 for samples collected in association with the RACER Trust site in Kokomo, Indiana. The review was conducted as a Tier II evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

SDG	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis	
						VOC	MISC
5097624	MW-0618-S1(051314)	5097624001	Water	05/13/2014		X	
	MW-0613-S1(051314)	5097624002	Water	05/13/2014		X	
	EB-2(051314)	5097624003	Water	05/13/2014		X	
	TB-01(051314)_LM	5097624004	Water	05/13/2014		X	
	MW-0607-S1(051314)	5097624005	Water	05/13/2014		X	
	MW-0609-S1(051314)	5097624006	Water	05/13/2014		X	
	MW-0610-S1(051314)	5097624007	Water	05/13/2014		X	
	MW-0602-S1(051314)	5097624008	Water	05/13/2014		X	
	MW-0705-S1(051314)	5097624009	Water	05/13/2014		X	
	MW-0612-S1(051314)	5097624010	Water	05/13/2014		X	
	MW-0608-S1(051314)	5097624011	Water	05/13/2014		X	
	MW-0606-S1(051314)	5097624012	Water	05/13/2014		X	
	MW-0704-S1(051314)	5097624013	Water	05/13/2014		X	
	MW-0516-S1(051314)	5097624014	Water	05/13/2014		X	
	MW-0603-S1(051314)	5097624015	Water	05/13/2014		X	
	MW-0622-S1(051314)	5097624016	Water	05/13/2014		X	
	FD-2(051314)	5097624017	Water	05/13/2014	MW-0622-S1(051314)	X	
	MW-0620-S1(051314)	5097624018	Water	05/13/2014		X	
	MW-0101-S1U(051314)	5097624019	Water	05/13/2014		X	
	MW-0502-S1(051314)	5097624020	Water	05/13/2014		X	
	MW-0605-S1(051314)	5097624021	Water	05/13/2014		X	
	FD-1(051314)	5097624022	Water	05/13/2014	MW-0517-S1(051314)	X	
	MW-0517-S1(051314)	5097624023	Water	05/13/2014		X	

Note:

1. The matrix spike (MS) analysis was performed on samples MW-0618-S1(051314), MW-0607-S1(051314), and MW-0610-S1(051314).

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

QA - Quality Assurance

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) Method 8260B. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
 - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
 - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
 - UB Compound considered non-detect at the listed value due to associated blank contamination.
 - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
 - R The sample results are rejected as unusable. The compound may or may not be present in the sample.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is

that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260B	Water	14 days from collection to analysis	Cool to <6°C; pH < 2 with HCl
	Soil	48 hours from collection to extraction and 14 days from collection to analysis	Cool to <6°C

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e. laboratory method blanks and field blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field blanks also measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B) of data. Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample Locations	Analytes	Sample Result	Qualification
MW-0609-S1(051314) MW-0705-S1(051314) MW-0612-S1(051314) MW-0605-S1(051314) MW-0517-S1(051314)	Acetone (EB)	Detected sample results <RL and <BAL	"UB" at the RL

RL Reporting limit
EB Equipment blank

3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within the control limits.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The spiked compounds used in the MS/MSD analysis must exhibit recoveries within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS and MSD results must be within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSDs performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD spiking concentration by a factor of four or greater. Sample results associated with MS/MSD exceedances where the parent samples are not site-specific are not qualified.

Sample locations associated with the MS/MSD exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Compound	MS Recovery	MSD Recovery
MW-0610-S1(051314)	Chloromethane	>UL	NA

NA Not analyzed

The criteria used to evaluate the MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J
Parent sample concentration > four times the MS/MSD spiking solution concentration.	Detect	No Action
	Non-detect	

Note: The laboratory performed a laboratory duplicate in replace of the matrix spike duplicate (MSD) due to limited sample volume.

5. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The spiked compounds used in the LCS analysis must exhibit recoveries within the laboratory-established acceptance limits.

Sample locations associated with LCS analysis exhibiting recoveries outside of the control limits presented in the following table.

Sample Locations	Compound	LCS Recovery
MW-0610-S1(051314) MW-0602-S1(051314) MW-0603-S1(051314) MW-0622-S1(051314) FD-2(051314)	Chloromethane	>UL

The criteria used to evaluate the LCS recoveries are presented in the following table. In the case of an LCS deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

6. Field Duplicate Sample Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compounds	Sample Result	Duplicate Result	RPD
MW-0517-S1(051314)/ FD-1(051314) 22	1,1-Dichloroethane	4.3 J	5.0 U	AC
	Acetone	55.9 J	100 U	AC
	Benzene	1.1 J	5.0 U	AC
	cis-1,2-Dichloroethene	582	505	14.2%
	trans-1,2-Dichloroethene	84.5	58.6	36.2%
	Trichloroethene	2830	4240	39.9%
	Vinyl chloride	2.7	2.0 U	AC
MW-0622-S1(051314)/ FD-2(051314) 17	cis-1,2-Dichloroethene	2650	2660	0.4%
	trans-1,2-Dichloroethene	29.8	28.8	3.4%
	Trichloroethene	18400	22700	20.9%

AC Acceptable

Field duplicate analysis was not performed on a sample location within this SDG.

7. System Performance and Overall Assessment

The laboratory noted the N2 flag - The lab does not hold TNI accreditation for this parameter for certain compounds on the Analytical Results forms. No qualifications were necessary.

Sample results associated with compound that exhibited a concentration greater than the linear range of the instrument calibration are summarized in the following table.

Sample ID	Compound	Original Analysis	Diluted Analysis	Reported Analysis
MW-0609-S1(051314)	cis-1,2-Dichloroethene	--	198 D	198 D
MW-0612-S1(051314)	cis-1,2-Dichloroethene	--	248 D	248 D
	Trichloroethene	--	3400 D	3400 D
MW-0606-S1(051314)	Trichloroethene	--	3280 D	3280 D
MW-0704-S1(051314)	Trichloroethene	--	2080 D	2080 D
MW-0622-S1(051314)	Trichloroethene	--	18400 D	18400 D
FD-2(051314)	Trichloroethene	--	22700 D	22700 D
MW-0620-S1(051314)	cis-1,2-Dichloroethene	--	167 D	167 D
	Trichloroethene	--	5770 D	5770 D
MW-0101-S1U(051314)	Trichloroethene	--	11200 D	11200 D
MW-0605-S1(051314)	Trichloroethene	--	2630 D	2630 D
FD-1(051314)	Trichloroethene	--	4240 D	4240 D
MW-0517-S1(051314)	cis-1,2-Dichloroethene	--	582 D	582 D
	Trichloroethene	--	2830 D	2830 D

Note: In the instance where both the original analysis and the diluted analysis sample results exhibited a concentration greater than and/or less than the calibration linear range of the instrument; the sample result exhibiting the greatest concentration will be reported as the final result.

Sample results associated with compounds exhibiting concentrations greater than the linear range are qualified as documented in the table below when reported as the final reported sample result.

Reported Sample Results	Qualification
Diluted sample result within calibration range	D
Diluted sample result less than the calibration range	DJ
Diluted sample result greater than the calibration range	EDJ
Original sample result greater than the calibration range	EJ

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X	X		
C. Trip blanks		X		X	
Laboratory Control Sample (LCS)		X	X		
Laboratory Control Sample Duplicate(LCSD)		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS)		X	X		
Matrix Spike Duplicate(MSD)	X				X
MS/MSD Precision (RPD)	X				X
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	

%R Percent recovery
 RPD Relative percent difference
 %D Percent difference

Validation Performed By: Todd Church

Signature: 

Date: June 13, 2014

Peer Review: Joseph C. Houser

Date: June 16, 2014

**CHAIN OF CUSTODY /
CORRECTED SAMPLE ANALYSIS DATA SHEETS**

ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0618-S1(051314)		Lab ID: 5097624001	Collected: 05/13/14 08:45	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/23/14 12:56	67-64-1	
Benzene	ND ug/L		5.0	1		05/23/14 12:56	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/23/14 12:56	75-27-4	
Bromoform	ND ug/L		5.0	1		05/23/14 12:56	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/23/14 12:56	74-83-9	UJ
2-Butanone (MEK)	ND ug/L		25.0	1		05/23/14 12:56	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/23/14 12:56	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/23/14 12:56	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/23/14 12:56	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/23/14 12:56	75-00-3	
Chloroform	ND ug/L		5.0	1		05/23/14 12:56	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/23/14 12:56	74-87-3	
Cyclohexane	ND ug/L		100	1		05/23/14 12:56	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/23/14 12:56	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/23/14 12:56	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/23/14 12:56	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 12:56	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 12:56	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 12:56	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/23/14 12:56	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/23/14 12:56	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/23/14 12:56	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/23/14 12:56	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/23/14 12:56	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/23/14 12:56	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/23/14 12:56	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/23/14 12:56	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/23/14 12:56	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/23/14 12:56	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/23/14 12:56	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/23/14 12:56	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/23/14 12:56	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/23/14 12:56	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/23/14 12:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/23/14 12:56	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/23/14 12:56	1634-04-4	
Styrene	ND ug/L		5.0	1		05/23/14 12:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/23/14 12:56	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/23/14 12:56	127-18-4	
Toluene	ND ug/L		5.0	1		05/23/14 12:56	108-88-3	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		05/23/14 12:56	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/23/14 12:56	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/23/14 12:56	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/23/14 12:56	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/23/14 12:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/23/14 12:56	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/23/14 12:56	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0618-S1(051314)		Lab ID: 5097624001	Collected: 05/13/14 08:45	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/23/14 12:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98 %.		79-116	1		05/23/14 12:56	1868-53-7	
4-Bromofluorobenzene (S)	88 %.		80-114	1		05/23/14 12:56	460-00-4	
Toluene-d8 (S)	101 %.		81-110	1		05/23/14 12:56	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0613-S1(051314)		Lab ID: 5097624002	Collected: 05/13/14 08:55	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/23/14 14:34	67-64-1	
Benzene	ND ug/L		5.0	1		05/23/14 14:34	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/23/14 14:34	75-27-4	
Bromoform	ND ug/L		5.0	1		05/23/14 14:34	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/23/14 14:34	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/23/14 14:34	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/23/14 14:34	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/23/14 14:34	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/23/14 14:34	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/23/14 14:34	75-00-3	
Chloroform	ND ug/L		5.0	1		05/23/14 14:34	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/23/14 14:34	74-87-3	
Cyclohexane	ND ug/L		100	1		05/23/14 14:34	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/23/14 14:34	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/23/14 14:34	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/23/14 14:34	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 14:34	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 14:34	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 14:34	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/23/14 14:34	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/23/14 14:34	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/23/14 14:34	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/23/14 14:34	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/23/14 14:34	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/23/14 14:34	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/23/14 14:34	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/23/14 14:34	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/23/14 14:34	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/23/14 14:34	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/23/14 14:34	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/23/14 14:34	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/23/14 14:34	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/23/14 14:34	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/23/14 14:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/23/14 14:34	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/23/14 14:34	1634-04-4	
Styrene	ND ug/L		5.0	1		05/23/14 14:34	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/23/14 14:34	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/23/14 14:34	127-18-4	
Toluene	ND ug/L		5.0	1		05/23/14 14:34	108-88-3	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		05/23/14 14:34	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/23/14 14:34	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/23/14 14:34	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/23/14 14:34	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/23/14 14:34	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/23/14 14:34	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/23/14 14:34	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0613-S1(051314)		Lab ID: 5097624002	Collected: 05/13/14 08:55	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/23/14 14:34	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98 %.		79-116	1		05/23/14 14:34	1868-53-7	
4-Bromofluorobenzene (S)	93 %.		80-114	1		05/23/14 14:34	460-00-4	
Toluene-d8 (S)	103 %.		81-110	1		05/23/14 14:34	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: EB-2(051314)		Lab ID: 5097624003	Collected: 05/13/14 09:00	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	65.4J	ug/L	100	1		05/23/14 08:59	67-64-1	
Benzene	ND	ug/L	5.0	1		05/23/14 08:59	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/23/14 08:59	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/23/14 08:59	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/23/14 08:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/23/14 08:59	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/23/14 08:59	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/23/14 08:59	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/23/14 08:59	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/23/14 08:59	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/23/14 08:59	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/23/14 08:59	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/23/14 08:59	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/23/14 08:59	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/23/14 08:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/23/14 08:59	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 08:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 08:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 08:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/23/14 08:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/23/14 08:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/23/14 08:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/23/14 08:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/14 08:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/14 08:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/23/14 08:59	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 08:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 08:59	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/23/14 08:59	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/23/14 08:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/23/14 08:59	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/23/14 08:59	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/23/14 08:59	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/23/14 08:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/23/14 08:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/23/14 08:59	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/23/14 08:59	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/14 08:59	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/23/14 08:59	127-18-4	
Toluene	ND	ug/L	5.0	1		05/23/14 08:59	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/23/14 08:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/23/14 08:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/23/14 08:59	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/23/14 08:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/23/14 08:59	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/23/14 08:59	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/23/14 08:59	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: EB-2(051314)		Lab ID: 5097624003		Collected: 05/13/14 09:00		Received: 05/13/14 15:01		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/23/14 08:59	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		102	%.	79-116	1		05/23/14 08:59	1868-53-7	
4-Bromofluorobenzene (S)		93	%.	80-114	1		05/23/14 08:59	460-00-4	
Toluene-d8 (S)		100	%.	81-110	1		05/23/14 08:59	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: TB-01(051314)_LM		Lab ID: 5097624004	Collected: 05/13/14 08:00	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		05/23/14 15:06	67-64-1	
Benzene	ND	ug/L	5.0	1		05/23/14 15:06	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/23/14 15:06	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/23/14 15:06	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/23/14 15:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/23/14 15:06	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/23/14 15:06	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/23/14 15:06	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/23/14 15:06	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/23/14 15:06	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/23/14 15:06	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/23/14 15:06	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/23/14 15:06	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/23/14 15:06	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/23/14 15:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/23/14 15:06	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 15:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 15:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 15:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/23/14 15:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/23/14 15:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/23/14 15:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/23/14 15:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/14 15:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/14 15:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/23/14 15:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 15:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 15:06	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/23/14 15:06	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/23/14 15:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/23/14 15:06	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/23/14 15:06	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/23/14 15:06	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/23/14 15:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/23/14 15:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/23/14 15:06	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/23/14 15:06	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/14 15:06	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/23/14 15:06	127-18-4	
Toluene	ND	ug/L	5.0	1		05/23/14 15:06	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/23/14 15:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/23/14 15:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/23/14 15:06	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/23/14 15:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/23/14 15:06	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/23/14 15:06	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/23/14 15:06	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: TB-01(051314)_LM		Lab ID: 5097624004	Collected: 05/13/14 08:00	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		05/23/14 15:06	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100 %.		79-116	1		05/23/14 15:06	1868-53-7	
4-Bromofluorobenzene (S)	84 %.		80-114	1		05/23/14 15:06	460-00-4	
Toluene-d8 (S)	100 %.		81-110	1		05/23/14 15:06	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0607-S1(051314)		Lab ID: 5097624005	Collected: 05/13/14 09:10	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		05/26/14 13:58	67-64-1	
Benzene	1.6J	ug/L	5.0	1		05/26/14 13:58	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/26/14 13:58	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/26/14 13:58	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/26/14 13:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/26/14 13:58	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/26/14 13:58	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/26/14 13:58	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/26/14 13:58	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/26/14 13:58	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/26/14 13:58	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/26/14 13:58	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/26/14 13:58	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/26/14 13:58	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/26/14 13:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/26/14 13:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/26/14 13:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/26/14 13:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/26/14 13:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/26/14 13:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/26/14 13:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/26/14 13:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/26/14 13:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/26/14 13:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/26/14 13:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/26/14 13:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/26/14 13:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/26/14 13:58	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/26/14 13:58	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/26/14 13:58	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/26/14 13:58	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/26/14 13:58	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/26/14 13:58	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/26/14 13:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/26/14 13:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/26/14 13:58	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/26/14 13:58	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/26/14 13:58	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/26/14 13:58	127-18-4	
Toluene	ND	ug/L	5.0	1		05/26/14 13:58	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/26/14 13:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/26/14 13:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/26/14 13:58	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/26/14 13:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/26/14 13:58	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/26/14 13:58	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/26/14 13:58	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0607-S1(051314)		Lab ID: 5097624005	Collected: 05/13/14 09:10	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/26/14 13:58	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97 %.		79-116	1		05/26/14 13:58	1868-53-7	
4-Bromofluorobenzene (S)	100 %.		80-114	1		05/26/14 13:58	460-00-4	
Toluene-d8 (S)	101 %.		81-110	1		05/26/14 13:58	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0609-S1(051314)		Lab ID: 5097624006	Collected: 05/13/14 09:20	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	100	~~56.83~~ ug/L	100	1		05/23/14 16:11	67-64-1	UB
Benzene		ND ug/L	5.0	1		05/23/14 16:11	71-43-2	
Bromodichloromethane		ND ug/L	5.0	1		05/23/14 16:11	75-27-4	
Bromoform		ND ug/L	5.0	1		05/23/14 16:11	75-25-2	
Bromomethane		ND ug/L	5.0	1		05/23/14 16:11	74-83-9	
2-Butanone (MEK)		ND ug/L	25.0	1		05/23/14 16:11	78-93-3	
Carbon disulfide		ND ug/L	10.0	1		05/23/14 16:11	75-15-0	
Carbon tetrachloride		ND ug/L	5.0	1		05/23/14 16:11	56-23-5	
Chlorobenzene		ND ug/L	5.0	1		05/23/14 16:11	108-90-7	
Chloroethane		ND ug/L	5.0	1		05/23/14 16:11	75-00-3	
Chloroform		ND ug/L	5.0	1		05/23/14 16:11	67-66-3	
Chloromethane		ND ug/L	5.0	1		05/23/14 16:11	74-87-3	
Cyclohexane		ND ug/L	100	1		05/23/14 16:11	110-82-7	N2
1,2-Dibromo-3-chloropropane		ND ug/L	10.0	1		05/23/14 16:11	96-12-8	
Dibromochloromethane		ND ug/L	5.0	1		05/23/14 16:11	124-48-1	
1,2-Dibromoethane (EDB)		ND ug/L	5.0	1		05/23/14 16:11	106-93-4	
1,2-Dichlorobenzene		ND ug/L	5.0	1		05/23/14 16:11	95-50-1	
1,3-Dichlorobenzene		ND ug/L	5.0	1		05/23/14 16:11	541-73-1	
1,4-Dichlorobenzene		ND ug/L	5.0	1		05/23/14 16:11	106-46-7	
Dichlorodifluoromethane		ND ug/L	5.0	1		05/23/14 16:11	75-71-8	
1,1-Dichloroethane		ND ug/L	5.0	1		05/23/14 16:11	75-34-3	
1,2-Dichloroethane		ND ug/L	5.0	1		05/23/14 16:11	107-06-2	
1,1-Dichloroethene		ND ug/L	5.0	1		05/23/14 16:11	75-35-4	
cis-1,2-Dichloroethene		198 ug/L	50.0	10		05/23/14 16:43	156-59-2	D
trans-1,2-Dichloroethene		16.2 ug/L	5.0	1		05/23/14 16:11	156-60-5	
1,2-Dichloropropane		ND ug/L	5.0	1		05/23/14 16:11	78-87-5	
cis-1,3-Dichloropropene		ND ug/L	5.0	1		05/23/14 16:11	10061-01-5	
trans-1,3-Dichloropropene		ND ug/L	5.0	1		05/23/14 16:11	10061-02-6	
Ethylbenzene		ND ug/L	5.0	1		05/23/14 16:11	100-41-4	
2-Hexanone		ND ug/L	25.0	1		05/23/14 16:11	591-78-6	
Isopropylbenzene (Cumene)		ND ug/L	5.0	1		05/23/14 16:11	98-82-8	
Methyl acetate		ND ug/L	50.0	1		05/23/14 16:11	79-20-9	N2
Methylcyclohexane		ND ug/L	50.0	1		05/23/14 16:11	108-87-2	N2
Methylene Chloride		ND ug/L	5.0	1		05/23/14 16:11	75-09-2	
4-Methyl-2-pentanone (MIBK)		ND ug/L	25.0	1		05/23/14 16:11	108-10-1	
Methyl-tert-butyl ether		ND ug/L	4.0	1		05/23/14 16:11	1634-04-4	
Styrene		ND ug/L	5.0	1		05/23/14 16:11	100-42-5	
1,1,2,2-Tetrachloroethane		ND ug/L	5.0	1		05/23/14 16:11	79-34-5	
Tetrachloroethene		ND ug/L	5.0	1		05/23/14 16:11	127-18-4	
Toluene		ND ug/L	5.0	1		05/23/14 16:11	108-88-3	
1,2,4-Trichlorobenzene		ND ug/L	5.0	1		05/23/14 16:11	120-82-1	
1,1,1-Trichloroethane		ND ug/L	5.0	1		05/23/14 16:11	71-55-6	
1,1,2-Trichloroethane		ND ug/L	5.0	1		05/23/14 16:11	79-00-5	
Trichloroethene		40.1 ug/L	5.0	1		05/23/14 16:11	79-01-6	
Trichlorofluoromethane		ND ug/L	5.0	1		05/23/14 16:11	75-69-4	
1,1,2-Trichlorotrifluoroethane		ND ug/L	5.0	1		05/23/14 16:11	76-13-1	
Vinyl chloride		5.4 ug/L	2.0	1		05/23/14 16:11	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0609-S1(051314)		Lab ID: 5097624006		Collected: 05/13/14 09:20		Received: 05/13/14 15:01		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/23/14 16:11	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		103	%.	79-116	1		05/23/14 16:11	1868-53-7	
4-Bromofluorobenzene (S)		87	%.	80-114	1		05/23/14 16:11	460-00-4	
Toluene-d8 (S)		100	%.	81-110	1		05/23/14 16:11	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0610-S1(051314)		Lab ID: 5097624007	Collected: 05/13/14 09:25	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/24/14 00:31	67-64-1	
Benzene	ND ug/L		5.0	1		05/24/14 00:31	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/24/14 00:31	75-27-4	
Bromoform	ND ug/L		5.0	1		05/24/14 00:31	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/24/14 00:31	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/24/14 00:31	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/24/14 00:31	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/24/14 00:31	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/24/14 00:31	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/24/14 00:31	75-00-3	
Chloroform	ND ug/L		5.0	1		05/24/14 00:31	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/24/14 00:31	74-87-3	
Cyclohexane	ND ug/L		100	1		05/24/14 00:31	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/24/14 00:31	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/24/14 00:31	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/24/14 00:31	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 00:31	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 00:31	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 00:31	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/24/14 00:31	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/24/14 00:31	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/24/14 00:31	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/24/14 00:31	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 00:31	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 00:31	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/24/14 00:31	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 00:31	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 00:31	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/24/14 00:31	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/24/14 00:31	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/24/14 00:31	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/24/14 00:31	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/24/14 00:31	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/24/14 00:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/24/14 00:31	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/24/14 00:31	1634-04-4	
Styrene	ND ug/L		5.0	1		05/24/14 00:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/24/14 00:31	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/24/14 00:31	127-18-4	
Toluene	ND ug/L		5.0	1		05/24/14 00:31	108-88-3	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		05/24/14 00:31	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/24/14 00:31	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/24/14 00:31	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/24/14 00:31	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/24/14 00:31	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/24/14 00:31	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/24/14 00:31	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0610-S1(051314)		Lab ID: 5097624007		Collected: 05/13/14 09:25		Received: 05/13/14 15:01		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/24/14 00:31	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		101	%.	79-116	1		05/24/14 00:31	1868-53-7	
4-Bromofluorobenzene (S)		99	%.	80-114	1		05/24/14 00:31	460-00-4	
Toluene-d8 (S)		98	%.	81-110	1		05/24/14 00:31	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0602-S1(051314)		Lab ID: 5097624008	Collected: 05/13/14 09:45	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/24/14 01:36	67-64-1	
Benzene	ND ug/L		5.0	1		05/24/14 01:36	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/24/14 01:36	75-27-4	
Bromoform	ND ug/L		5.0	1		05/24/14 01:36	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/24/14 01:36	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/24/14 01:36	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/24/14 01:36	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/24/14 01:36	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/24/14 01:36	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/24/14 01:36	75-00-3	
Chloroform	ND ug/L		5.0	1		05/24/14 01:36	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/24/14 01:36	74-87-3	
Cyclohexane	ND ug/L		100	1		05/24/14 01:36	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/24/14 01:36	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/24/14 01:36	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/24/14 01:36	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 01:36	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 01:36	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 01:36	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/24/14 01:36	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/24/14 01:36	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/24/14 01:36	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/24/14 01:36	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 01:36	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 01:36	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/24/14 01:36	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 01:36	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 01:36	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/24/14 01:36	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/24/14 01:36	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/24/14 01:36	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/24/14 01:36	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/24/14 01:36	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/24/14 01:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/24/14 01:36	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/24/14 01:36	1634-04-4	
Styrene	ND ug/L		5.0	1		05/24/14 01:36	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/24/14 01:36	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/24/14 01:36	127-18-4	
Toluene	ND ug/L		5.0	1		05/24/14 01:36	108-88-3	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		05/24/14 01:36	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/24/14 01:36	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/24/14 01:36	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/24/14 01:36	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/24/14 01:36	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/24/14 01:36	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/24/14 01:36	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0602-S1(051314)		Lab ID: 5097624008	Collected: 05/13/14 09:45	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		05/24/14 01:36	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		05/24/14 01:36	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	80-114	1		05/24/14 01:36	460-00-4	
Toluene-d8 (S)	101	%.	81-110	1		05/24/14 01:36	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0705-S1(051314)		Lab ID: 5097624009	Collected: 05/13/14 09:55	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	100	~~66.53~~ ug/L	100	1		05/23/14 17:16	67-64-1	UB
Benzene		ND ug/L	5.0	1		05/23/14 17:16	71-43-2	
Bromodichloromethane		ND ug/L	5.0	1		05/23/14 17:16	75-27-4	
Bromoform		ND ug/L	5.0	1		05/23/14 17:16	75-25-2	
Bromomethane		ND ug/L	5.0	1		05/23/14 17:16	74-83-9	
2-Butanone (MEK)		ND ug/L	25.0	1		05/23/14 17:16	78-93-3	
Carbon disulfide		ND ug/L	10.0	1		05/23/14 17:16	75-15-0	
Carbon tetrachloride		ND ug/L	5.0	1		05/23/14 17:16	56-23-5	
Chlorobenzene		ND ug/L	5.0	1		05/23/14 17:16	108-90-7	
Chloroethane		ND ug/L	5.0	1		05/23/14 17:16	75-00-3	
Chloroform		ND ug/L	5.0	1		05/23/14 17:16	67-66-3	
Chloromethane		ND ug/L	5.0	1		05/23/14 17:16	74-87-3	
Cyclohexane		ND ug/L	100	1		05/23/14 17:16	110-82-7	N2
1,2-Dibromo-3-chloropropane		ND ug/L	10.0	1		05/23/14 17:16	96-12-8	
Dibromochloromethane		ND ug/L	5.0	1		05/23/14 17:16	124-48-1	
1,2-Dibromoethane (EDB)		ND ug/L	5.0	1		05/23/14 17:16	106-93-4	
1,2-Dichlorobenzene		ND ug/L	5.0	1		05/23/14 17:16	95-50-1	
1,3-Dichlorobenzene		ND ug/L	5.0	1		05/23/14 17:16	541-73-1	
1,4-Dichlorobenzene		ND ug/L	5.0	1		05/23/14 17:16	106-46-7	
Dichlorodifluoromethane		ND ug/L	5.0	1		05/23/14 17:16	75-71-8	
1,1-Dichloroethane		ND ug/L	5.0	1		05/23/14 17:16	75-34-3	
1,2-Dichloroethane		ND ug/L	5.0	1		05/23/14 17:16	107-06-2	
1,1-Dichloroethene		ND ug/L	5.0	1		05/23/14 17:16	75-35-4	
cis-1,2-Dichloroethene		42.1 ug/L	5.0	1		05/23/14 17:16	156-59-2	
trans-1,2-Dichloroethene		10.7 ug/L	5.0	1		05/23/14 17:16	156-60-5	
1,2-Dichloropropane		ND ug/L	5.0	1		05/23/14 17:16	78-87-5	
cis-1,3-Dichloropropene		ND ug/L	5.0	1		05/23/14 17:16	10061-01-5	
trans-1,3-Dichloropropene		ND ug/L	5.0	1		05/23/14 17:16	10061-02-6	
Ethylbenzene		ND ug/L	5.0	1		05/23/14 17:16	100-41-4	
2-Hexanone		ND ug/L	25.0	1		05/23/14 17:16	591-78-6	
Isopropylbenzene (Cumene)		ND ug/L	5.0	1		05/23/14 17:16	98-82-8	
Methyl acetate		ND ug/L	50.0	1		05/23/14 17:16	79-20-9	N2
Methylcyclohexane		ND ug/L	50.0	1		05/23/14 17:16	108-87-2	N2
Methylene Chloride		ND ug/L	5.0	1		05/23/14 17:16	75-09-2	
4-Methyl-2-pentanone (MIBK)		ND ug/L	25.0	1		05/23/14 17:16	108-10-1	
Methyl-tert-butyl ether		ND ug/L	4.0	1		05/23/14 17:16	1634-04-4	
Styrene		ND ug/L	5.0	1		05/23/14 17:16	100-42-5	
1,1,2,2-Tetrachloroethane		ND ug/L	5.0	1		05/23/14 17:16	79-34-5	
Tetrachloroethene		ND ug/L	5.0	1		05/23/14 17:16	127-18-4	
Toluene		ND ug/L	5.0	1		05/23/14 17:16	108-88-3	
1,2,4-Trichlorobenzene		ND ug/L	5.0	1		05/23/14 17:16	120-82-1	
1,1,1-Trichloroethane		ND ug/L	5.0	1		05/23/14 17:16	71-55-6	
1,1,2-Trichloroethane		ND ug/L	5.0	1		05/23/14 17:16	79-00-5	
Trichloroethene		131 ug/L	5.0	1		05/23/14 17:16	79-01-6	
Trichlorofluoromethane		ND ug/L	5.0	1		05/23/14 17:16	75-69-4	
1,1,2-Trichlorotrifluoroethane		ND ug/L	5.0	1		05/23/14 17:16	76-13-1	
Vinyl chloride		4.2 ug/L	2.0	1		05/23/14 17:16	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0705-S1(051314)		Lab ID: 5097624009	Collected: 05/13/14 09:55	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		05/23/14 17:16	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	79-116	1		05/23/14 17:16	1868-53-7	
4-Bromofluorobenzene (S)	89	%.	80-114	1		05/23/14 17:16	460-00-4	
Toluene-d8 (S)	104	%.	81-110	1		05/23/14 17:16	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0612-S1(051314)		Lab ID: 5097624010		Collected: 05/13/14 10:00		Received: 05/13/14 15:01		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Acetone	100	~~64.43~~ ug/L		100	1		05/23/14 17:48	67-64-1	UB
Benzene		ND ug/L		5.0	1		05/23/14 17:48	71-43-2	
Bromodichloromethane		ND ug/L		5.0	1		05/23/14 17:48	75-27-4	
Bromoform		ND ug/L		5.0	1		05/23/14 17:48	75-25-2	
Bromomethane		ND ug/L		5.0	1		05/23/14 17:48	74-83-9	
2-Butanone (MEK)		ND ug/L		25.0	1		05/23/14 17:48	78-93-3	
Carbon disulfide		ND ug/L		10.0	1		05/23/14 17:48	75-15-0	
Carbon tetrachloride		ND ug/L		5.0	1		05/23/14 17:48	56-23-5	
Chlorobenzene		ND ug/L		5.0	1		05/23/14 17:48	108-90-7	
Chloroethane		ND ug/L		5.0	1		05/23/14 17:48	75-00-3	
Chloroform		ND ug/L		5.0	1		05/23/14 17:48	67-66-3	
Chloromethane		ND ug/L		5.0	1		05/23/14 17:48	74-87-3	
Cyclohexane		ND ug/L		100	1		05/23/14 17:48	110-82-7	N2
1,2-Dibromo-3-chloropropane		ND ug/L		10.0	1		05/23/14 17:48	96-12-8	
Dibromochloromethane		ND ug/L		5.0	1		05/23/14 17:48	124-48-1	
1,2-Dibromoethane (EDB)		ND ug/L		5.0	1		05/23/14 17:48	106-93-4	
1,2-Dichlorobenzene		ND ug/L		5.0	1		05/23/14 17:48	95-50-1	
1,3-Dichlorobenzene		ND ug/L		5.0	1		05/23/14 17:48	541-73-1	
1,4-Dichlorobenzene		ND ug/L		5.0	1		05/23/14 17:48	106-46-7	
Dichlorodifluoromethane		ND ug/L		5.0	1		05/23/14 17:48	75-71-8	
1,1-Dichloroethane		ND ug/L		5.0	1		05/23/14 17:48	75-34-3	
1,2-Dichloroethane		ND ug/L		5.0	1		05/23/14 17:48	107-06-2	
1,1-Dichloroethene		ND ug/L		5.0	1		05/23/14 17:48	75-35-4	
cis-1,2-Dichloroethene		248 ug/L	D	125	25		05/23/14 18:20	156-59-2	D
trans-1,2-Dichloroethene		46.2 ug/L		5.0	1		05/23/14 17:48	156-60-5	
1,2-Dichloropropane		ND ug/L		5.0	1		05/23/14 17:48	78-87-5	
cis-1,3-Dichloropropene		ND ug/L		5.0	1		05/23/14 17:48	10061-01-5	
trans-1,3-Dichloropropene		ND ug/L		5.0	1		05/23/14 17:48	10061-02-6	
Ethylbenzene		ND ug/L		5.0	1		05/23/14 17:48	100-41-4	
2-Hexanone		ND ug/L		25.0	1		05/23/14 17:48	591-78-6	
Isopropylbenzene (Cumene)		ND ug/L		5.0	1		05/23/14 17:48	98-82-8	
Methyl acetate		ND ug/L		50.0	1		05/23/14 17:48	79-20-9	N2
Methylcyclohexane		ND ug/L		50.0	1		05/23/14 17:48	108-87-2	N2
Methylene Chloride		ND ug/L		5.0	1		05/23/14 17:48	75-09-2	
4-Methyl-2-pentanone (MIBK)		ND ug/L		25.0	1		05/23/14 17:48	108-10-1	
Methyl-tert-butyl ether		ND ug/L		4.0	1		05/23/14 17:48	1634-04-4	
Styrene		ND ug/L		5.0	1		05/23/14 17:48	100-42-5	
1,1,2,2-Tetrachloroethane		ND ug/L		5.0	1		05/23/14 17:48	79-34-5	
Tetrachloroethene		ND ug/L		5.0	1		05/23/14 17:48	127-18-4	
Toluene		ND ug/L		5.0	1		05/23/14 17:48	108-88-3	
1,2,4-Trichlorobenzene		ND ug/L		5.0	1		05/23/14 17:48	120-82-1	
1,1,1-Trichloroethane		ND ug/L		5.0	1		05/23/14 17:48	71-55-6	
1,1,2-Trichloroethane		ND ug/L		5.0	1		05/23/14 17:48	79-00-5	
Trichloroethene		3400 ug/L	D	250	50		05/27/14 15:28	79-01-6	D
Trichlorofluoromethane		ND ug/L		5.0	1		05/23/14 17:48	75-69-4	
1,1,2-Trichlorotrifluoroethane		ND ug/L		5.0	1		05/23/14 17:48	76-13-1	
Vinyl chloride		13.2 ug/L		2.0	1		05/23/14 17:48	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0612-S1(051314)		Lab ID: 5097624010	Collected: 05/13/14 10:00	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		05/23/14 17:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		05/23/14 17:48	1868-53-7	
4-Bromofluorobenzene (S)	91	%.	80-114	1		05/23/14 17:48	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		05/23/14 17:48	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0608-S1(051314)		Lab ID: 5097624011	Collected: 05/13/14 10:10	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		05/23/14 18:53	67-64-1	
Benzene	ND	ug/L	5.0	1		05/23/14 18:53	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/23/14 18:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/23/14 18:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/23/14 18:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/23/14 18:53	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/23/14 18:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/23/14 18:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/23/14 18:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/23/14 18:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/23/14 18:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/23/14 18:53	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/23/14 18:53	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/23/14 18:53	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/23/14 18:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/23/14 18:53	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 18:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 18:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 18:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/23/14 18:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/23/14 18:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/23/14 18:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/23/14 18:53	75-35-4	
cis-1,2-Dichloroethene	148	ug/L	5.0	1		05/23/14 18:53	156-59-2	
trans-1,2-Dichloroethene	11.7	ug/L	5.0	1		05/23/14 18:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/23/14 18:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 18:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 18:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/23/14 18:53	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/23/14 18:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/23/14 18:53	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/23/14 18:53	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/23/14 18:53	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/23/14 18:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/23/14 18:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/23/14 18:53	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/23/14 18:53	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/14 18:53	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/23/14 18:53	127-18-4	
Toluene	ND	ug/L	5.0	1		05/23/14 18:53	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/23/14 18:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/23/14 18:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/23/14 18:53	79-00-5	
Trichloroethene	3.5J	ug/L	5.0	1		05/23/14 18:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/23/14 18:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/23/14 18:53	76-13-1	
Vinyl chloride	5.4	ug/L	2.0	1		05/23/14 18:53	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0608-S1(051314)		Lab ID: 5097624011		Collected: 05/13/14 10:10		Received: 05/13/14 15:01		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/23/14 18:53	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		105	%.	79-116	1		05/23/14 18:53	1868-53-7	
4-Bromofluorobenzene (S)		88	%.	80-114	1		05/23/14 18:53	460-00-4	
Toluene-d8 (S)		101	%.	81-110	1		05/23/14 18:53	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0606-S1(051314)		Lab ID: 5097624012	Collected: 05/13/14 10:20	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	500	5		05/23/14 19:25	67-64-1	
Benzene	ND	ug/L	25.0	5		05/23/14 19:25	71-43-2	1d
Bromodichloromethane	ND	ug/L	25.0	5		05/23/14 19:25	75-27-4	
Bromoform	ND	ug/L	25.0	5		05/23/14 19:25	75-25-2	
Bromomethane	ND	ug/L	25.0	5		05/23/14 19:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	125	5		05/23/14 19:25	78-93-3	
Carbon disulfide	ND	ug/L	50.0	5		05/23/14 19:25	75-15-0	
Carbon tetrachloride	ND	ug/L	25.0	5		05/23/14 19:25	56-23-5	
Chlorobenzene	ND	ug/L	25.0	5		05/23/14 19:25	108-90-7	
Chloroethane	ND	ug/L	25.0	5		05/23/14 19:25	75-00-3	
Chloroform	ND	ug/L	25.0	5		05/23/14 19:25	67-66-3	
Chloromethane	ND	ug/L	25.0	5		05/23/14 19:25	74-87-3	
Cyclohexane	ND	ug/L	500	5		05/23/14 19:25	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	5		05/23/14 19:25	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	5		05/23/14 19:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	5		05/23/14 19:25	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	25.0	5		05/23/14 19:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	5		05/23/14 19:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	5		05/23/14 19:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	5		05/23/14 19:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	5		05/23/14 19:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	5		05/23/14 19:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	5		05/23/14 19:25	75-35-4	
cis-1,2-Dichloroethene	365	ug/L	25.0	5		05/23/14 19:25	156-59-2	
trans-1,2-Dichloroethene	75.9	ug/L	25.0	5		05/23/14 19:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	5		05/23/14 19:25	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	25.0	5		05/23/14 19:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	25.0	5		05/23/14 19:25	10061-02-6	
Ethylbenzene	ND	ug/L	25.0	5		05/23/14 19:25	100-41-4	
2-Hexanone	ND	ug/L	125	5		05/23/14 19:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	25.0	5		05/23/14 19:25	98-82-8	
Methyl acetate	ND	ug/L	250	5		05/23/14 19:25	79-20-9	N2
Methylcyclohexane	ND	ug/L	250	5		05/23/14 19:25	108-87-2	N2
Methylene Chloride	ND	ug/L	25.0	5		05/23/14 19:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	125	5		05/23/14 19:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	20.0	5		05/23/14 19:25	1634-04-4	
Styrene	ND	ug/L	25.0	5		05/23/14 19:25	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	5		05/23/14 19:25	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	5		05/23/14 19:25	127-18-4	
Toluene	ND	ug/L	25.0	5		05/23/14 19:25	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	25.0	5		05/23/14 19:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	5		05/23/14 19:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	5		05/23/14 19:25	79-00-5	
Trichloroethene	3280	ug/L D	250	50		05/23/14 19:57	79-01-6	D
Trichlorofluoromethane	ND	ug/L	25.0	5		05/23/14 19:25	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	25.0	5		05/23/14 19:25	76-13-1	
Vinyl chloride	ND	ug/L	10.0	5		05/23/14 19:25	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0606-S1(051314)		Lab ID: 5097624012	Collected: 05/13/14 10:20	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		50.0	5		05/23/14 19:25	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100 %.		79-116	5		05/23/14 19:25	1868-53-7	D4
4-Bromofluorobenzene (S)	86 %.		80-114	5		05/23/14 19:25	460-00-4	
Toluene-d8 (S)	99 %.		81-110	5		05/23/14 19:25	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0704-S1(051314)		Lab ID: 5097624013	Collected: 05/13/14 10:30	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	500	5		05/23/14 20:30	67-64-1	
Benzene	ND	ug/L	25.0	5		05/23/14 20:30	71-43-2	1d
Bromodichloromethane	ND	ug/L	25.0	5		05/23/14 20:30	75-27-4	
Bromoform	ND	ug/L	25.0	5		05/23/14 20:30	75-25-2	
Bromomethane	ND	ug/L	25.0	5		05/23/14 20:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	125	5		05/23/14 20:30	78-93-3	
Carbon disulfide	ND	ug/L	50.0	5		05/23/14 20:30	75-15-0	
Carbon tetrachloride	ND	ug/L	25.0	5		05/23/14 20:30	56-23-5	
Chlorobenzene	ND	ug/L	25.0	5		05/23/14 20:30	108-90-7	
Chloroethane	ND	ug/L	25.0	5		05/23/14 20:30	75-00-3	
Chloroform	ND	ug/L	25.0	5		05/23/14 20:30	67-66-3	
Chloromethane	ND	ug/L	25.0	5		05/23/14 20:30	74-87-3	
Cyclohexane	ND	ug/L	500	5		05/23/14 20:30	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	5		05/23/14 20:30	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	5		05/23/14 20:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	5		05/23/14 20:30	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	25.0	5		05/23/14 20:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	5		05/23/14 20:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	5		05/23/14 20:30	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	5		05/23/14 20:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	5		05/23/14 20:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	5		05/23/14 20:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	5		05/23/14 20:30	75-35-4	
cis-1,2-Dichloroethene	606	ug/L	25.0	5		05/23/14 20:30	156-59-2	
trans-1,2-Dichloroethene	77.4	ug/L	25.0	5		05/23/14 20:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	25.0	5		05/23/14 20:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	25.0	5		05/23/14 20:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	25.0	5		05/23/14 20:30	10061-02-6	
Ethylbenzene	ND	ug/L	25.0	5		05/23/14 20:30	100-41-4	
2-Hexanone	ND	ug/L	125	5		05/23/14 20:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	25.0	5		05/23/14 20:30	98-82-8	
Methyl acetate	ND	ug/L	250	5		05/23/14 20:30	79-20-9	N2
Methylcyclohexane	ND	ug/L	250	5		05/23/14 20:30	108-87-2	N2
Methylene Chloride	ND	ug/L	25.0	5		05/23/14 20:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	125	5		05/23/14 20:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	20.0	5		05/23/14 20:30	1634-04-4	
Styrene	ND	ug/L	25.0	5		05/23/14 20:30	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	5		05/23/14 20:30	79-34-5	
Tetrachloroethene	ND	ug/L	25.0	5		05/23/14 20:30	127-18-4	
Toluene	ND	ug/L	25.0	5		05/23/14 20:30	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	25.0	5		05/23/14 20:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	5		05/23/14 20:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	5		05/23/14 20:30	79-00-5	
Trichloroethene	2080	ug/L	250	50		05/23/14 21:02	79-01-6	D
Trichlorofluoromethane	ND	ug/L	25.0	5		05/23/14 20:30	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	25.0	5		05/23/14 20:30	76-13-1	
Vinyl chloride	ND	ug/L	10.0	5		05/23/14 20:30	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0704-S1(051314)		Lab ID: 5097624013	Collected: 05/13/14 10:30	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	50.0	5		05/23/14 20:30	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%.	79-116	5		05/23/14 20:30	1868-53-7	D4
4-Bromofluorobenzene (S)	86	%.	80-114	5		05/23/14 20:30	460-00-4	
Toluene-d8 (S)	102	%.	81-110	5		05/23/14 20:30	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0516-S1(051314)		Lab ID: 5097624014	Collected: 05/13/14 10:55	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/23/14 21:34	67-64-1	
Benzene	ND ug/L		5.0	1		05/23/14 21:34	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/23/14 21:34	75-27-4	
Bromoform	ND ug/L		5.0	1		05/23/14 21:34	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/23/14 21:34	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/23/14 21:34	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/23/14 21:34	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/23/14 21:34	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/23/14 21:34	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/23/14 21:34	75-00-3	
Chloroform	ND ug/L		5.0	1		05/23/14 21:34	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/23/14 21:34	74-87-3	
Cyclohexane	ND ug/L		100	1		05/23/14 21:34	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/23/14 21:34	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/23/14 21:34	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/23/14 21:34	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 21:34	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 21:34	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/23/14 21:34	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/23/14 21:34	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/23/14 21:34	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/23/14 21:34	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/23/14 21:34	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/23/14 21:34	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/23/14 21:34	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/23/14 21:34	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/23/14 21:34	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/23/14 21:34	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/23/14 21:34	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/23/14 21:34	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/23/14 21:34	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/23/14 21:34	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/23/14 21:34	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/23/14 21:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/23/14 21:34	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/23/14 21:34	1634-04-4	
Styrene	ND ug/L		5.0	1		05/23/14 21:34	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/23/14 21:34	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/23/14 21:34	127-18-4	
Toluene	ND ug/L		5.0	1		05/23/14 21:34	108-88-3	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		05/23/14 21:34	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/23/14 21:34	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/23/14 21:34	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/23/14 21:34	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/23/14 21:34	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/23/14 21:34	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/23/14 21:34	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0516-S1(051314)		Lab ID: 5097624014		Collected: 05/13/14 10:55		Received: 05/13/14 15:01		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/23/14 21:34	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		107	%.	79-116	1		05/23/14 21:34	1868-53-7	
4-Bromofluorobenzene (S)		90	%.	80-114	1		05/23/14 21:34	460-00-4	
Toluene-d8 (S)		102	%.	81-110	1		05/23/14 21:34	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0603-S1(051314)		Lab ID: 5097624015	Collected: 05/13/14 11:20	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/24/14 02:41	67-64-1	
Benzene	ND ug/L		5.0	1		05/24/14 02:41	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/24/14 02:41	75-27-4	
Bromoform	ND ug/L		5.0	1		05/24/14 02:41	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/24/14 02:41	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/24/14 02:41	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/24/14 02:41	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/24/14 02:41	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/24/14 02:41	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/24/14 02:41	75-00-3	
Chloroform	ND ug/L		5.0	1		05/24/14 02:41	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/24/14 02:41	74-87-3	
Cyclohexane	ND ug/L		100	1		05/24/14 02:41	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/24/14 02:41	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/24/14 02:41	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/24/14 02:41	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 02:41	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 02:41	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 02:41	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/24/14 02:41	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/24/14 02:41	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/24/14 02:41	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/24/14 02:41	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 02:41	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 02:41	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/24/14 02:41	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 02:41	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 02:41	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/24/14 02:41	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/24/14 02:41	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/24/14 02:41	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/24/14 02:41	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/24/14 02:41	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/24/14 02:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/24/14 02:41	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/24/14 02:41	1634-04-4	
Styrene	ND ug/L		5.0	1		05/24/14 02:41	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/24/14 02:41	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/24/14 02:41	127-18-4	
Toluene	ND ug/L		5.0	1		05/24/14 02:41	108-88-3	
1,2,4-Trichlorobenzene	2.7J ug/L		5.0	1		05/24/14 02:41	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/24/14 02:41	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/24/14 02:41	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/24/14 02:41	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/24/14 02:41	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/24/14 02:41	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/24/14 02:41	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0603-S1(051314)		Lab ID: 5097624015	Collected: 05/13/14 11:20	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		05/24/14 02:41	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		05/24/14 02:41	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	80-114	1		05/24/14 02:41	460-00-4	
Toluene-d8 (S)	99	%.	81-110	1		05/24/14 02:41	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0622-S1(051314)		Lab ID: 5097624016	Collected: 05/13/14 11:35	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	1000	10		05/24/14 03:13	67-64-1	
Benzene	ND	ug/L	50.0	10		05/24/14 03:13	71-43-2	1d
Bromodichloromethane	ND	ug/L	50.0	10		05/24/14 03:13	75-27-4	
Bromoform	ND	ug/L	50.0	10		05/24/14 03:13	75-25-2	
Bromomethane	ND	ug/L	50.0	10		05/24/14 03:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		05/24/14 03:13	78-93-3	
Carbon disulfide	ND	ug/L	100	10		05/24/14 03:13	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		05/24/14 03:13	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		05/24/14 03:13	108-90-7	
Chloroethane	ND	ug/L	50.0	10		05/24/14 03:13	75-00-3	
Chloroform	ND	ug/L	50.0	10		05/24/14 03:13	67-66-3	
Chloromethane	ND	ug/L	50.0	10		05/24/14 03:13	74-87-3	
Cyclohexane	ND	ug/L	1000	10		05/24/14 03:13	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		05/24/14 03:13	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		05/24/14 03:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		05/24/14 03:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		05/24/14 03:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		05/24/14 03:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		05/24/14 03:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		05/24/14 03:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		05/24/14 03:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		05/24/14 03:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		05/24/14 03:13	75-35-4	
cis-1,2-Dichloroethene	2650	ug/L	50.0	10		05/24/14 03:13	156-59-2	
trans-1,2-Dichloroethene	29.8J	ug/L	50.0	10		05/24/14 03:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		05/24/14 03:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		05/24/14 03:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		05/24/14 03:13	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		05/24/14 03:13	100-41-4	
2-Hexanone	ND	ug/L	250	10		05/24/14 03:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		05/24/14 03:13	98-82-8	
Methyl acetate	ND	ug/L	500	10		05/24/14 03:13	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		05/24/14 03:13	108-87-2	N2
Methylene Chloride	ND	ug/L	50.0	10		05/24/14 03:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		05/24/14 03:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		05/24/14 03:13	1634-04-4	
Styrene	ND	ug/L	50.0	10		05/24/14 03:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		05/24/14 03:13	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		05/24/14 03:13	127-18-4	
Toluene	ND	ug/L	50.0	10		05/24/14 03:13	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		05/24/14 03:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		05/24/14 03:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		05/24/14 03:13	79-00-5	
Trichloroethene	18400	ug/L	1000	200		05/27/14 15:44	79-01-6	D
Trichlorofluoromethane	ND	ug/L	50.0	10		05/24/14 03:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		05/24/14 03:13	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		05/24/14 03:13	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0622-S1(051314)		Lab ID: 5097624016	Collected: 05/13/14 11:35	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	100	10		05/24/14 03:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	10		05/24/14 03:13	1868-53-7	D4
4-Bromofluorobenzene (S)	103	%.	80-114	10		05/24/14 03:13	460-00-4	
Toluene-d8 (S)	102	%.	81-110	10		05/24/14 03:13	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: FD-2(051314)		Lab ID: 5097624017	Collected: 05/13/14 08:00	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	1000	10		05/24/14 04:18	67-64-1	
Benzene	ND	ug/L	50.0	10		05/24/14 04:18	71-43-2	1d
Bromodichloromethane	ND	ug/L	50.0	10		05/24/14 04:18	75-27-4	
Bromoform	ND	ug/L	50.0	10		05/24/14 04:18	75-25-2	
Bromomethane	ND	ug/L	50.0	10		05/24/14 04:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		05/24/14 04:18	78-93-3	
Carbon disulfide	ND	ug/L	100	10		05/24/14 04:18	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		05/24/14 04:18	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		05/24/14 04:18	108-90-7	
Chloroethane	ND	ug/L	50.0	10		05/24/14 04:18	75-00-3	
Chloroform	ND	ug/L	50.0	10		05/24/14 04:18	67-66-3	
Chloromethane	ND	ug/L	50.0	10		05/24/14 04:18	74-87-3	
Cyclohexane	ND	ug/L	1000	10		05/24/14 04:18	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		05/24/14 04:18	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		05/24/14 04:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		05/24/14 04:18	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		05/24/14 04:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		05/24/14 04:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		05/24/14 04:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		05/24/14 04:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		05/24/14 04:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		05/24/14 04:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		05/24/14 04:18	75-35-4	
cis-1,2-Dichloroethene	2660	ug/L	50.0	10		05/24/14 04:18	156-59-2	
trans-1,2-Dichloroethene	28.8J	ug/L	50.0	10		05/24/14 04:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		05/24/14 04:18	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		05/24/14 04:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		05/24/14 04:18	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		05/24/14 04:18	100-41-4	
2-Hexanone	ND	ug/L	250	10		05/24/14 04:18	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		05/24/14 04:18	98-82-8	
Methyl acetate	ND	ug/L	500	10		05/24/14 04:18	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		05/24/14 04:18	108-87-2	N2
Methylene Chloride	ND	ug/L	50.0	10		05/24/14 04:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		05/24/14 04:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		05/24/14 04:18	1634-04-4	
Styrene	ND	ug/L	50.0	10		05/24/14 04:18	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		05/24/14 04:18	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		05/24/14 04:18	127-18-4	
Toluene	ND	ug/L	50.0	10		05/24/14 04:18	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		05/24/14 04:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		05/24/14 04:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		05/24/14 04:18	79-00-5	
Trichloroethene	22700	ug/L D	500	100		05/24/14 04:51	79-01-6	D
Trichlorofluoromethane	ND	ug/L	50.0	10		05/24/14 04:18	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		05/24/14 04:18	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		05/24/14 04:18	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: FD-2(051314)		Lab ID: 5097624017		Collected: 05/13/14 08:00		Received: 05/13/14 15:01		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	100	10		05/24/14 04:18	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		100	%.	79-116	10		05/24/14 04:18	1868-53-7	D4
4-Bromofluorobenzene (S)		98	%.	80-114	10		05/24/14 04:18	460-00-4	
Toluene-d8 (S)		99	%.	81-110	10		05/24/14 04:18	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0620-S1(051314)		Lab ID: 5097624018	Collected: 05/13/14 11:45	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		05/27/14 02:54	67-64-1	
Benzene	ND	ug/L	5.0	1		05/27/14 02:54	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/27/14 02:54	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/27/14 02:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/27/14 02:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/27/14 02:54	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/27/14 02:54	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/27/14 02:54	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/27/14 02:54	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/27/14 02:54	75-00-3	
Chloroform	7.7	ug/L	5.0	1		05/27/14 02:54	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/27/14 02:54	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/27/14 02:54	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/27/14 02:54	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/27/14 02:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/27/14 02:54	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/27/14 02:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/27/14 02:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/27/14 02:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/27/14 02:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/27/14 02:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/27/14 02:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/27/14 02:54	75-35-4	
cis-1,2-Dichloroethene	167	ug/L D	125	25		05/27/14 03:27	156-59-2	D
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/27/14 02:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/27/14 02:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/27/14 02:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/27/14 02:54	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/27/14 02:54	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/27/14 02:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/27/14 02:54	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/27/14 02:54	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/27/14 02:54	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/27/14 02:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/27/14 02:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/27/14 02:54	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/27/14 02:54	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/27/14 02:54	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/27/14 02:54	127-18-4	
Toluene	ND	ug/L	5.0	1		05/27/14 02:54	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/27/14 02:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/27/14 02:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/27/14 02:54	79-00-5	
Trichloroethene	5770	ug/L D	500	100		05/27/14 16:17	79-01-6	D
Trichlorofluoromethane	ND	ug/L	5.0	1		05/27/14 02:54	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/27/14 02:54	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/27/14 02:54	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0620-S1(051314)		Lab ID: 5097624018		Collected: 05/13/14 11:45		Received: 05/13/14 15:01		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	10.0	1		05/27/14 02:54	1330-20-7		
Surrogates									
Dibromofluoromethane (S)	104	%.	79-116	1		05/27/14 02:54	1868-53-7		
4-Bromofluorobenzene (S)	93	%.	80-114	1		05/27/14 02:54	460-00-4		
Toluene-d8 (S)	97	%.	81-110	1		05/27/14 02:54	2037-26-5		

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0101-S1U(051314)		Lab ID: 5097624019	Collected: 05/13/14 12:05	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	1000	10		05/26/14 16:08	67-64-1	
Benzene	ND	ug/L	50.0	10		05/26/14 16:08	71-43-2	2d
Bromodichloromethane	ND	ug/L	50.0	10		05/26/14 16:08	75-27-4	
Bromoform	ND	ug/L	50.0	10		05/26/14 16:08	75-25-2	
Bromomethane	ND	ug/L	50.0	10		05/26/14 16:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		05/26/14 16:08	78-93-3	
Carbon disulfide	ND	ug/L	100	10		05/26/14 16:08	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		05/26/14 16:08	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		05/26/14 16:08	108-90-7	
Chloroethane	ND	ug/L	50.0	10		05/26/14 16:08	75-00-3	
Chloroform	ND	ug/L	50.0	10		05/26/14 16:08	67-66-3	
Chloromethane	ND	ug/L	50.0	10		05/26/14 16:08	74-87-3	
Cyclohexane	ND	ug/L	1000	10		05/26/14 16:08	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		05/26/14 16:08	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		05/26/14 16:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		05/26/14 16:08	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		05/26/14 16:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		05/26/14 16:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		05/26/14 16:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		05/26/14 16:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		05/26/14 16:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		05/26/14 16:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		05/26/14 16:08	75-35-4	
cis-1,2-Dichloroethene	1240	ug/L	50.0	10		05/26/14 16:08	156-59-2	
trans-1,2-Dichloroethene	49.03	ug/L	50.0	10		05/26/14 16:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		05/26/14 16:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		05/26/14 16:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		05/26/14 16:08	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		05/26/14 16:08	100-41-4	
2-Hexanone	ND	ug/L	250	10		05/26/14 16:08	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		05/26/14 16:08	98-82-8	
Methyl acetate	ND	ug/L	500	10		05/26/14 16:08	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		05/26/14 16:08	108-87-2	N2
Methylene Chloride	ND	ug/L	50.0	10		05/26/14 16:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		05/26/14 16:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		05/26/14 16:08	1634-04-4	
Styrene	ND	ug/L	50.0	10		05/26/14 16:08	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		05/26/14 16:08	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		05/26/14 16:08	127-18-4	
Toluene	ND	ug/L	50.0	10		05/26/14 16:08	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		05/26/14 16:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		05/26/14 16:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		05/26/14 16:08	79-00-5	
Trichloroethene	11200	ug/L	500	100		05/27/14 16:33	79-01-6	D
Trichlorofluoromethane	ND	ug/L	50.0	10		05/26/14 16:08	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		05/26/14 16:08	76-13-1	
Vinyl chloride	50.0	ug/L	20.0	10		05/26/14 16:08	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0101-S1U(051314)		Lab ID: 5097624019		Collected: 05/13/14 12:05		Received: 05/13/14 15:01		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	100	10		05/26/14 16:08	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		101	%.	79-116	10		05/26/14 16:08	1868-53-7	D4
4-Bromofluorobenzene (S)		95	%.	80-114	10		05/26/14 16:08	460-00-4	
Toluene-d8 (S)		100	%.	81-110	10		05/26/14 16:08	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0502-S1(051314)		Lab ID: 5097624020	Collected: 05/13/14 12:10	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/26/14 15:03	67-64-1	
Benzene	ND ug/L		5.0	1		05/26/14 15:03	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/26/14 15:03	75-27-4	
Bromoform	ND ug/L		5.0	1		05/26/14 15:03	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/26/14 15:03	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/26/14 15:03	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/26/14 15:03	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/26/14 15:03	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/26/14 15:03	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/26/14 15:03	75-00-3	
Chloroform	ND ug/L		5.0	1		05/26/14 15:03	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/26/14 15:03	74-87-3	
Cyclohexane	ND ug/L		100	1		05/26/14 15:03	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/26/14 15:03	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/26/14 15:03	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/26/14 15:03	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/26/14 15:03	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/26/14 15:03	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/26/14 15:03	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/26/14 15:03	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/26/14 15:03	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/26/14 15:03	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/26/14 15:03	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/26/14 15:03	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/26/14 15:03	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/26/14 15:03	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/26/14 15:03	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/26/14 15:03	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/26/14 15:03	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/26/14 15:03	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/26/14 15:03	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/26/14 15:03	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/26/14 15:03	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/26/14 15:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/26/14 15:03	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/26/14 15:03	1634-04-4	
Styrene	ND ug/L		5.0	1		05/26/14 15:03	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/26/14 15:03	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/26/14 15:03	127-18-4	
Toluene	ND ug/L		5.0	1		05/26/14 15:03	108-88-3	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		05/26/14 15:03	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/26/14 15:03	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/26/14 15:03	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/26/14 15:03	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/26/14 15:03	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/26/14 15:03	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/26/14 15:03	75-01-4	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0502-S1(051314)		Lab ID: 5097624020		Collected: 05/13/14 12:10		Received: 05/13/14 15:01		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/26/14 15:03	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		102	%.	79-116	1		05/26/14 15:03	1868-53-7	
4-Bromofluorobenzene (S)		101	%.	80-114	1		05/26/14 15:03	460-00-4	
Toluene-d8 (S)		100	%.	81-110	1		05/26/14 15:03	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0605-S1(051314)		Lab ID: 5097624021	Collected: 05/13/14 12:20	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	100	~~56.21~~ ug/L	100	1		05/27/14 00:45	67-64-1	UB
Benzene		ND ug/L	5.0	1		05/27/14 00:45	71-43-2	
Bromodichloromethane		ND ug/L	5.0	1		05/27/14 00:45	75-27-4	
Bromoform		ND ug/L	5.0	1		05/27/14 00:45	75-25-2	
Bromomethane		ND ug/L	5.0	1		05/27/14 00:45	74-83-9	
2-Butanone (MEK)		ND ug/L	25.0	1		05/27/14 00:45	78-93-3	
Carbon disulfide		ND ug/L	10.0	1		05/27/14 00:45	75-15-0	
Carbon tetrachloride		ND ug/L	5.0	1		05/27/14 00:45	56-23-5	
Chlorobenzene		ND ug/L	5.0	1		05/27/14 00:45	108-90-7	
Chloroethane		ND ug/L	5.0	1		05/27/14 00:45	75-00-3	
Chloroform		ND ug/L	5.0	1		05/27/14 00:45	67-66-3	
Chloromethane		ND ug/L	5.0	1		05/27/14 00:45	74-87-3	
Cyclohexane		ND ug/L	100	1		05/27/14 00:45	110-82-7	N2
1,2-Dibromo-3-chloropropane		ND ug/L	10.0	1		05/27/14 00:45	96-12-8	
Dibromochloromethane		ND ug/L	5.0	1		05/27/14 00:45	124-48-1	
1,2-Dibromoethane (EDB)		ND ug/L	5.0	1		05/27/14 00:45	106-93-4	
1,2-Dichlorobenzene		ND ug/L	5.0	1		05/27/14 00:45	95-50-1	
1,3-Dichlorobenzene		ND ug/L	5.0	1		05/27/14 00:45	541-73-1	
1,4-Dichlorobenzene		ND ug/L	5.0	1		05/27/14 00:45	106-46-7	
Dichlorodifluoromethane		ND ug/L	5.0	1		05/27/14 00:45	75-71-8	
1,1-Dichloroethane		ND ug/L	5.0	1		05/27/14 00:45	75-34-3	
1,2-Dichloroethane		ND ug/L	5.0	1		05/27/14 00:45	107-06-2	
1,1-Dichloroethene		ND ug/L	5.0	1		05/27/14 00:45	75-35-4	
cis-1,2-Dichloroethene	14.1	ug/L	5.0	1		05/27/14 00:45	156-59-2	
trans-1,2-Dichloroethene		ND ug/L	5.0	1		05/27/14 00:45	156-60-5	
1,2-Dichloropropane		ND ug/L	5.0	1		05/27/14 00:45	78-87-5	
cis-1,3-Dichloropropene		ND ug/L	5.0	1		05/27/14 00:45	10061-01-5	
trans-1,3-Dichloropropene		ND ug/L	5.0	1		05/27/14 00:45	10061-02-6	
Ethylbenzene		ND ug/L	5.0	1		05/27/14 00:45	100-41-4	
2-Hexanone		ND ug/L	25.0	1		05/27/14 00:45	591-78-6	
Isopropylbenzene (Cumene)		ND ug/L	5.0	1		05/27/14 00:45	98-82-8	
Methyl acetate		ND ug/L	50.0	1		05/27/14 00:45	79-20-9	N2
Methylcyclohexane		ND ug/L	50.0	1		05/27/14 00:45	108-87-2	N2
Methylene Chloride		ND ug/L	5.0	1		05/27/14 00:45	75-09-2	
4-Methyl-2-pentanone (MIBK)		ND ug/L	25.0	1		05/27/14 00:45	108-10-1	
Methyl-tert-butyl ether		ND ug/L	4.0	1		05/27/14 00:45	1634-04-4	
Styrene		ND ug/L	5.0	1		05/27/14 00:45	100-42-5	
1,1,2,2-Tetrachloroethane		ND ug/L	5.0	1		05/27/14 00:45	79-34-5	
Tetrachloroethene		ND ug/L	5.0	1		05/27/14 00:45	127-18-4	
Toluene		ND ug/L	5.0	1		05/27/14 00:45	108-88-3	
1,2,4-Trichlorobenzene		ND ug/L	5.0	1		05/27/14 00:45	120-82-1	
1,1,1-Trichloroethane		ND ug/L	5.0	1		05/27/14 00:45	71-55-6	
1,1,2-Trichloroethane		ND ug/L	5.0	1		05/27/14 00:45	79-00-5	
Trichloroethene	2630	ug/L D	125	25		05/27/14 01:18	79-01-6	D
Trichlorofluoromethane		ND ug/L	5.0	1		05/27/14 00:45	75-69-4	
1,1,2-Trichlorotrifluoroethane		ND ug/L	5.0	1		05/27/14 00:45	76-13-1	
Vinyl chloride		ND ug/L	2.0	1		05/27/14 00:45	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0605-S1(051314)		Lab ID: 5097624021	Collected: 05/13/14 12:20	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		05/27/14 00:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	79-116	1		05/27/14 00:45	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	80-114	1		05/27/14 00:45	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		05/27/14 00:45	2037-26-5	

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: FD-1(051314)		Lab ID: 5097624022	Collected: 05/13/14 08:00	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	1000	10		05/27/14 01:50	67-64-1	
Benzene	ND	ug/L	50.0	10		05/27/14 01:50	71-43-2	2d
Bromodichloromethane	ND	ug/L	50.0	10		05/27/14 01:50	75-27-4	
Bromoform	ND	ug/L	50.0	10		05/27/14 01:50	75-25-2	
Bromomethane	ND	ug/L	50.0	10		05/27/14 01:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	10		05/27/14 01:50	78-93-3	
Carbon disulfide	ND	ug/L	100	10		05/27/14 01:50	75-15-0	
Carbon tetrachloride	ND	ug/L	50.0	10		05/27/14 01:50	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		05/27/14 01:50	108-90-7	
Chloroethane	ND	ug/L	50.0	10		05/27/14 01:50	75-00-3	
Chloroform	ND	ug/L	50.0	10		05/27/14 01:50	67-66-3	
Chloromethane	ND	ug/L	50.0	10		05/27/14 01:50	74-87-3	
Cyclohexane	ND	ug/L	1000	10		05/27/14 01:50	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	100	10		05/27/14 01:50	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	10		05/27/14 01:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	10		05/27/14 01:50	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		05/27/14 01:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		05/27/14 01:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		05/27/14 01:50	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	10		05/27/14 01:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	10		05/27/14 01:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		05/27/14 01:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		05/27/14 01:50	75-35-4	
cis-1,2-Dichloroethene	505	ug/L	50.0	10		05/27/14 01:50	156-59-2	
trans-1,2-Dichloroethene	58.6	ug/L	50.0	10		05/27/14 01:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		05/27/14 01:50	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		05/27/14 01:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		05/27/14 01:50	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		05/27/14 01:50	100-41-4	
2-Hexanone	ND	ug/L	250	10		05/27/14 01:50	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	10		05/27/14 01:50	98-82-8	
Methyl acetate	ND	ug/L	500	10		05/27/14 01:50	79-20-9	N2
Methylcyclohexane	ND	ug/L	500	10		05/27/14 01:50	108-87-2	N2
Methylene Chloride	ND	ug/L	50.0	10		05/27/14 01:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	10		05/27/14 01:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	40.0	10		05/27/14 01:50	1634-04-4	
Styrene	ND	ug/L	50.0	10		05/27/14 01:50	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		05/27/14 01:50	79-34-5	
Tetrachloroethene	ND	ug/L	50.0	10		05/27/14 01:50	127-18-4	
Toluene	ND	ug/L	50.0	10		05/27/14 01:50	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	10		05/27/14 01:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		05/27/14 01:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		05/27/14 01:50	79-00-5	
Trichloroethene	4240	ug/L D	500	100		05/27/14 02:22	79-01-6	D
Trichlorofluoromethane	ND	ug/L	50.0	10		05/27/14 01:50	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	50.0	10		05/27/14 01:50	76-13-1	
Vinyl chloride	ND	ug/L	20.0	10		05/27/14 01:50	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: FD-1(051314)		Lab ID: 5097624022		Collected: 05/13/14 08:00		Received: 05/13/14 15:01		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND ug/L		100	10		05/27/14 01:50	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		104 %.		79-116	10		05/27/14 01:50	1868-53-7	D4
4-Bromofluorobenzene (S)		95 %.		80-114	10		05/27/14 01:50	460-00-4	
Toluene-d8 (S)		100 %.		81-110	10		05/27/14 01:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0517-S1(051314)		Lab ID: 5097624023	Collected: 05/13/14 12:50	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	100	~~55.93~~ ug/L	100	1		05/26/14 20:59	67-64-1	UB
Benzene		1.1J ug/L	5.0	1		05/26/14 20:59	71-43-2	
Bromodichloromethane		ND ug/L	5.0	1		05/26/14 20:59	75-27-4	
Bromoform		ND ug/L	5.0	1		05/26/14 20:59	75-25-2	
Bromomethane		ND ug/L	5.0	1		05/26/14 20:59	74-83-9	
2-Butanone (MEK)		ND ug/L	25.0	1		05/26/14 20:59	78-93-3	
Carbon disulfide		ND ug/L	10.0	1		05/26/14 20:59	75-15-0	
Carbon tetrachloride		ND ug/L	5.0	1		05/26/14 20:59	56-23-5	
Chlorobenzene		ND ug/L	5.0	1		05/26/14 20:59	108-90-7	
Chloroethane		ND ug/L	5.0	1		05/26/14 20:59	75-00-3	
Chloroform		ND ug/L	5.0	1		05/26/14 20:59	67-66-3	
Chloromethane		ND ug/L	5.0	1		05/26/14 20:59	74-87-3	
Cyclohexane		ND ug/L	100	1		05/26/14 20:59	110-82-7	N2
1,2-Dibromo-3-chloropropane		ND ug/L	10.0	1		05/26/14 20:59	96-12-8	
Dibromochloromethane		ND ug/L	5.0	1		05/26/14 20:59	124-48-1	
1,2-Dibromoethane (EDB)		ND ug/L	5.0	1		05/26/14 20:59	106-93-4	
1,2-Dichlorobenzene		ND ug/L	5.0	1		05/26/14 20:59	95-50-1	
1,3-Dichlorobenzene		ND ug/L	5.0	1		05/26/14 20:59	541-73-1	
1,4-Dichlorobenzene		ND ug/L	5.0	1		05/26/14 20:59	106-46-7	
Dichlorodifluoromethane		ND ug/L	5.0	1		05/26/14 20:59	75-71-8	
1,1-Dichloroethane		4.3J ug/L	5.0	1		05/26/14 20:59	75-34-3	
1,2-Dichloroethane		ND ug/L	5.0	1		05/26/14 20:59	107-06-2	
1,1-Dichloroethene		ND ug/L	5.0	1		05/26/14 20:59	75-35-4	
cis-1,2-Dichloroethene		582 ug/L	125	25		05/26/14 21:31	156-59-2	D
trans-1,2-Dichloroethene		84.5 ug/L	5.0	1		05/26/14 20:59	156-60-5	
1,2-Dichloropropane		ND ug/L	5.0	1		05/26/14 20:59	78-87-5	
cis-1,3-Dichloropropene		ND ug/L	5.0	1		05/26/14 20:59	10061-01-5	
trans-1,3-Dichloropropene		ND ug/L	5.0	1		05/26/14 20:59	10061-02-6	
Ethylbenzene		ND ug/L	5.0	1		05/26/14 20:59	100-41-4	
2-Hexanone		ND ug/L	25.0	1		05/26/14 20:59	591-78-6	
Isopropylbenzene (Cumene)		ND ug/L	5.0	1		05/26/14 20:59	98-82-8	
Methyl acetate		ND ug/L	50.0	1		05/26/14 20:59	79-20-9	N2
Methylcyclohexane		ND ug/L	50.0	1		05/26/14 20:59	108-87-2	N2
Methylene Chloride		ND ug/L	5.0	1		05/26/14 20:59	75-09-2	
4-Methyl-2-pentanone (MIBK)		ND ug/L	25.0	1		05/26/14 20:59	108-10-1	
Methyl-tert-butyl ether		ND ug/L	4.0	1		05/26/14 20:59	1634-04-4	
Styrene		ND ug/L	5.0	1		05/26/14 20:59	100-42-5	
1,1,2,2-Tetrachloroethane		ND ug/L	5.0	1		05/26/14 20:59	79-34-5	
Tetrachloroethene		ND ug/L	5.0	1		05/26/14 20:59	127-18-4	
Toluene		ND ug/L	5.0	1		05/26/14 20:59	108-88-3	
1,2,4-Trichlorobenzene		ND ug/L	5.0	1		05/26/14 20:59	120-82-1	
1,1,1-Trichloroethane		ND ug/L	5.0	1		05/26/14 20:59	71-55-6	
1,1,2-Trichloroethane		ND ug/L	5.0	1		05/26/14 20:59	79-00-5	
Trichloroethene		2830 ug/L	250	50		05/27/14 16:49	79-01-6	D
Trichlorofluoromethane		ND ug/L	5.0	1		05/26/14 20:59	75-69-4	
1,1,2-Trichlorotrifluoroethane		ND ug/L	5.0	1		05/26/14 20:59	76-13-1	
Vinyl chloride		2.7 ug/L	2.0	1		05/26/14 20:59	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

Sample: MW-0517-S1(051314)		Lab ID: 5097624023	Collected: 05/13/14 12:50	Received: 05/13/14 15:01	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/26/14 20:59	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98 %.		79-116	1		05/26/14 20:59	1868-53-7	
4-Bromofluorobenzene (S)	92 %.		80-114	1		05/26/14 20:59	460-00-4	
Toluene-d8 (S)	100 %.		81-110	1		05/26/14 20:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: GM Delco IN000884.2014

Pace Project No.: 5097624

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1d	Benzene evaluated to 5 ug/L estimated RL. AMV 5/26/14
2d	Benzene evaluated to 5 ug/L estimated RL. AMV 5/27/14
D4	Sample was diluted due to the presence of high levels of target analytes.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
N2	The lab does not hold TNI accreditation for this parameter.
R1	RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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Section A
Required Client Information:

Company: ARLANS
Address: 132 E Washington St Ste 600
City: Indianapolis, IN 46204
Phone: 317-231-6500 Fax: 317-231-6514
Requested Due Date/TAT: STAT

Section B
Required Project Information:

Report To: Sarah P. Fiskel@arlanls-us.com
Copy To: Matthew Briles
Purchase Order No.: IN000884 2014.0006
Project Name: F.M. Delco - Keweenaw
Project Number: IN000884 2014.0006

Section C
Invoice Information:

Page: 2 of 2
Invoice Number: 1686375
REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER
Site Location: IN
STATE: IN

Section D
Required Client Information

MATRIX CODES
Drinking Water: DW
Waste Water: WT
Product: WW
Soil/Solid: P
Oil: SL
Wipes: OL
Air: WP
Tissue: AR
Other: TS

SAMPLE ID
(A-Z, 0-9 / -)
Sample IDs MUST BE UNIQUE

Section E
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section F
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section G
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section H
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section I
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section J
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section K
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section L
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section M
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section N
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section O
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section P
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section Q
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section R
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section S
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section T
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section U
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section V
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section W
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section X
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section Y
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section Z
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section AA
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section AB
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section AC
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section AD
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section AE
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section AF
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section AG
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section AH
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section AI
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section AJ
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section AK
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section AL
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section AM
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: (G-GRAB C-COMP)

Section AN
Requested Analysis Filtered (Y/N)

Matrix Code: 1
Sample Type: (G-GRAB C-COMP)
Matrix Code: (see valid codes to left)
Sample Type: (G-GRAB C-COMP)
Sample Type: <

**RACER Trust
Former GM Delco Plant 5**

Data Review

KOKOMO, INDIANA

Volatile Organic Compounds Analyses

SDG #5097643

Analyses Performed By:
Pace Analytical
Indianapolis, Indiana

Report #21852R
Review Level: Tier II
Project: IN000884.2014.00007

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) #5097643 for samples collected in association with the RACER Trust site in Kokomo, Indiana. The review was conducted as a Tier II evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

SDG	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis	
						VOC	MISC
5097643	MW-0501-S1 (051314)	5097643001	Water	05/13/2014		X	
	MW-0103-S1U (051314)	5097643002	Water	05/13/2014		X	
	MW-0623-S1 (051314)	5097643003	Water	05/13/2014		X	
	MW-0509-S1 (051314)	5097643004	Water	05/13/2014		X	
	MW-0619-S1 (051314)	5097643005	Water	05/13/2014		X	
	MW-0102-S1U (051314)	5097643006	Water	05/13/2014		X	
	MW-0621-S1 (051314)	5097643007	Water	05/13/2014		X	
	MW-0504-S1 (051314)	5097643008	Water	05/13/2014		X	
	EB-1 (051314)	5097643009	Water	05/13/2014		X	
	MW-0506-S1 (051314)	5097643010	Water	05/13/2014		X	
	MW-0617-S1 (051314)	5097643011	Water	05/13/2014		X	
	MW-0507-S1 (051314)	5097643012	Water	05/13/2014		X	
	MW-0503-S1 (051314)	5097643013	Water	05/13/2014		X	
	MW-0604-S1 (051314)	5097643014	Water	05/13/2014		X	
	TB-2-BC_20140513	5097643015	Water	05/13/2014		X	

Note:

1. The matrix spike (MS) analysis was performed on samples MW-0621-S1 (051314), and MW-0102-S1U (051314); MS and matrix spike duplicate (MSD) analysis performed on samples MW-0503-S1 (051314) and MW-0501-S1 (051314).

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

QA - Quality Assurance

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) Method 8260B. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
 - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
 - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
 - UB Compound considered non-detect at the listed value due to associated blank contamination.
 - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
 - R The sample results are rejected as unusable. The compound may or may not be present in the sample.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is

that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260B	Water	14 days from collection to analysis	Cool to <6°C; pH < 2 with HCl
	Soil	48 hours from collection to extraction and 14 days from collection to analysis	Cool to <6°C

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e. laboratory method blanks and field blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field blanks also measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B) of data. Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample Locations	Analytes	Sample Result	Qualification
MW-0501-S1 (051314) MW-0103-S1U (051314) MW-0619-S1 (051314) MW-0621-S1 (051314) MW-0504-S1 (051314) MW-0506-S1 (051314) MW-0617-S1 (051314) MW-0503-S1 (051314) MW-0604-S1 (051314)	Acetone (EB)	Detected sample results <RL and <BAL	"UB" at the RL

RL Reporting limit
EB Equipment blank

3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within the control limits.

4. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The spiked compounds used in the MS/MSD analysis must exhibit recoveries within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS and MSD results must be within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSDs performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD spiking concentration by a factor of four or greater. Sample results associated with MS/MSD exceedances where the parent samples are not site-specific are not qualified.

Sample locations associated with MS/MSD recoveries exhibiting an RPD greater than of the control limit presented in the following table.

Sample Locations	Compound
MW-0501-S1 (051314)	Bromomethane

The criteria used to evaluate the RPD between the MS/MSD recoveries are presented in the following table. In the case of an RPD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	UJ
	Detect	J

5. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the accuracy of the analytical method independent of matrix interferences. The spiked compounds used in the LCS analysis must exhibit recoveries within the laboratory-established acceptance limits.

Sample locations associated with LCS analysis exhibiting recoveries outside of the control limits presented in the following table.

Sample Locations	Compound	LCS Recovery
MW-0509-S1 (051314) MW-0619-S1 (051314) MW-0102-S1U (051314) MW-0621-S1 (051314) MW-0504-S1 (051314) TB-2-BC_20140513	Methyl acetate	>UL

Sample Locations	Compound	LCS Recovery
EB-1 (051314) MW-0506-S1 (051314) MW-0617-S1 (051314) MW-0507-S1 (051314) MW-0604-S1 (051314)	Bromomethane	>UL
MW-0503-S1 (051314) MW-0501-S1 (051314) MW-0103-S1U (051314)	Acetone	>UL

The criteria used to evaluate the LCS recoveries are presented in the following table. In the case of an LCS deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No Action
	Detect	J
< the lower control limit (LL) but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

6. Field Duplicate Sample Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

The field duplicate analysis was not performed on a sample location within this SDG.

7. System Performance and Overall Assessment

The laboratory noted the N2 flag - The lab does not hold TNI accreditation for this parameter for certain compounds on the Analytical Results forms. No qualifications were necessary.

The laboratory flagged acetone associated with samples MW-0619-S1 (051314), MW-0621-S1 (051314), MW-0504-S1 (051314), and MW-0503-S1 (051314) for CC "The continuing calibration for this compound is outside of method control limits." The laboratory was contacted and the %D associated with the Continuing Calibration was greater than the control limit and an increase in sensitivity. The associated sample results were non-detect; therefore, no qualification was necessary.

Sample results associated with compound that exhibited a concentration greater than the linear range of the instrument calibration are summarized in the following table.

Sample ID	Compound	Original Analysis	Diluted Analysis	Reported Analysis
MW-0102-S1U (051314)	cis-1,2-Dichloroethene	--	826 D	826 D
	Trichloroethene	--	2910 D	2910 D
MW-0621-S1 (051314)	Trichloroethene	--	1070 D	1070 D
MW-0504-S1 (051314)	cis-1,2-Dichloroethene	--	826 D	826 D
	Trichloroethene	--	2740 D	2740 D
MW-0604-S1 (051314)	Trichloroethene	--	747 D	747 D

Note: In the instance where both the original analysis and the diluted analysis sample results exhibited a concentration greater than and/or less than the calibration linear range of the instrument; the sample result exhibiting the greatest concentration will be reported as the final result.

Sample results associated with compounds exhibiting concentrations greater than the linear range are qualified as documented in the table below when reported as the final reported sample result.

Reported Sample Results	Qualification
Diluted sample result within calibration range	D
Diluted sample result less than the calibration range	DJ
Diluted sample result greater than the calibration range	EDJ
Original sample result greater than the calibration range	EJ

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks		X	X		
C. Trip blanks		X		X	
Laboratory Control Sample (LCS)		X	X		
Laboratory Control Sample Duplicate(LCSD)		X		X	
LCS/LCSD Precision (RPD)		X		X	
Matrix Spike (MS)		X		X	
Matrix Spike Duplicate(MSD)		X		X	
MS/MSD Precision (RPD)		X	X		
Field/Lab Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	

%R Percent recovery
 RPD Relative percent difference
 %D Percent difference

Validation Performed By: Todd Church

Signature: 

Date: June 13, 2014

Peer Review: Joseph C. Houser

Date: June 16, 2014

**CHAIN OF CUSTODY /
CORRECTED SAMPLE ANALYSIS DATA SHEETS**

ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0501-S1 (051314)		Lab ID: 5097643001	Collected: 05/13/14 09:00	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	100	~~63.43~~ ug/L	100	1		05/23/14 21:56	67-64-1	UB
Benzene		ND ug/L	5.0	1		05/23/14 21:56	71-43-2	
Bromodichloromethane		ND ug/L	5.0	1		05/23/14 21:56	75-27-4	
Bromoform		ND ug/L	5.0	1		05/23/14 21:56	75-25-2	
Bromomethane		ND ug/L	5.0	1		05/23/14 21:56	74-83-9	UJ
2-Butanone (MEK)		ND ug/L	25.0	1		05/23/14 21:56	78-93-3	
Carbon disulfide		ND ug/L	10.0	1		05/23/14 21:56	75-15-0	
Carbon tetrachloride		ND ug/L	5.0	1		05/23/14 21:56	56-23-5	
Chlorobenzene		ND ug/L	5.0	1		05/23/14 21:56	108-90-7	
Chloroethane		ND ug/L	5.0	1		05/23/14 21:56	75-00-3	
Chloroform		ND ug/L	5.0	1		05/23/14 21:56	67-66-3	
Chloromethane		ND ug/L	5.0	1		05/23/14 21:56	74-87-3	
Cyclohexane		ND ug/L	100	1		05/23/14 21:56	110-82-7	N2
1,2-Dibromo-3-chloropropane		ND ug/L	10.0	1		05/23/14 21:56	96-12-8	
Dibromochloromethane		ND ug/L	5.0	1		05/23/14 21:56	124-48-1	
1,2-Dibromoethane (EDB)		ND ug/L	5.0	1		05/23/14 21:56	106-93-4	
1,2-Dichlorobenzene		ND ug/L	5.0	1		05/23/14 21:56	95-50-1	
1,3-Dichlorobenzene		ND ug/L	5.0	1		05/23/14 21:56	541-73-1	
1,4-Dichlorobenzene		ND ug/L	5.0	1		05/23/14 21:56	106-46-7	
Dichlorodifluoromethane		ND ug/L	5.0	1		05/23/14 21:56	75-71-8	
1,1-Dichloroethane		ND ug/L	5.0	1		05/23/14 21:56	75-34-3	
1,2-Dichloroethane		ND ug/L	5.0	1		05/23/14 21:56	107-06-2	
1,1-Dichloroethene		ND ug/L	5.0	1		05/23/14 21:56	75-35-4	
cis-1,2-Dichloroethene		3.0J ug/L	5.0	1		05/23/14 21:56	156-59-2	
trans-1,2-Dichloroethene		ND ug/L	5.0	1		05/23/14 21:56	156-60-5	
1,2-Dichloropropane		ND ug/L	5.0	1		05/23/14 21:56	78-87-5	
cis-1,3-Dichloropropene		ND ug/L	5.0	1		05/23/14 21:56	10061-01-5	
trans-1,3-Dichloropropene		ND ug/L	5.0	1		05/23/14 21:56	10061-02-6	
Ethylbenzene		ND ug/L	5.0	1		05/23/14 21:56	100-41-4	
2-Hexanone		ND ug/L	25.0	1		05/23/14 21:56	591-78-6	
Isopropylbenzene (Cumene)		ND ug/L	5.0	1		05/23/14 21:56	98-82-8	
Methyl acetate		ND ug/L	50.0	1		05/23/14 21:56	79-20-9	N2
Methylcyclohexane		ND ug/L	50.0	1		05/23/14 21:56	108-87-2	N2
Methylene Chloride		ND ug/L	5.0	1		05/23/14 21:56	75-09-2	
4-Methyl-2-pentanone (MIBK)		ND ug/L	25.0	1		05/23/14 21:56	108-10-1	
Methyl-tert-butyl ether		ND ug/L	4.0	1		05/23/14 21:56	1634-04-4	
Styrene		ND ug/L	5.0	1		05/23/14 21:56	100-42-5	
1,1,2,2-Tetrachloroethane		ND ug/L	5.0	1		05/23/14 21:56	79-34-5	
Tetrachloroethene		ND ug/L	5.0	1		05/23/14 21:56	127-18-4	
Toluene		ND ug/L	5.0	1		05/23/14 21:56	108-88-3	
1,2,4-Trichlorobenzene		ND ug/L	5.0	1		05/23/14 21:56	120-82-1	
1,1,1-Trichloroethane		ND ug/L	5.0	1		05/23/14 21:56	71-55-6	
1,1,2-Trichloroethane		ND ug/L	5.0	1		05/23/14 21:56	79-00-5	
Trichloroethene		ND ug/L	5.0	1		05/23/14 21:56	79-01-6	
Trichlorofluoromethane		ND ug/L	5.0	1		05/23/14 21:56	75-69-4	
1,1,2-Trichlorotrifluoroethane		ND ug/L	5.0	1		05/23/14 21:56	76-13-1	
Vinyl chloride		ND ug/L	2.0	1		05/23/14 21:56	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0501-S1 (051314)		Lab ID: 5097643001	Collected: 05/13/14 09:00	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/23/14 21:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105 %.		79-116	1		05/23/14 21:56	1868-53-7	
4-Bromofluorobenzene (S)	101 %.		80-114	1		05/23/14 21:56	460-00-4	
Toluene-d8 (S)	99 %.		81-110	1		05/23/14 21:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0103-S1U (051314)		Lab ID: 5097643002	Collected: 05/13/14 09:20	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	100 ~~62.53~~	ug/L	100	1		05/23/14 21:23	67-64-1	UB
Benzene	ND	ug/L	5.0	1		05/23/14 21:23	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/23/14 21:23	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/23/14 21:23	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/23/14 21:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/23/14 21:23	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/23/14 21:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/23/14 21:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/23/14 21:23	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/23/14 21:23	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/23/14 21:23	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/23/14 21:23	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/23/14 21:23	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/23/14 21:23	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/23/14 21:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/23/14 21:23	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/23/14 21:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/23/14 21:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/23/14 21:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/23/14 21:23	75-35-4	
cis-1,2-Dichloroethene	3.6J	ug/L	5.0	1		05/23/14 21:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/14 21:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/23/14 21:23	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 21:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 21:23	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/23/14 21:23	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/23/14 21:23	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/23/14 21:23	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/23/14 21:23	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/23/14 21:23	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/23/14 21:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/23/14 21:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/23/14 21:23	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/23/14 21:23	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/14 21:23	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/23/14 21:23	127-18-4	
Toluene	ND	ug/L	5.0	1		05/23/14 21:23	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/23/14 21:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/23/14 21:23	79-00-5	
Trichloroethene	8.8	ug/L	5.0	1		05/23/14 21:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/23/14 21:23	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/23/14 21:23	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/23/14 21:23	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0103-S1U (051314)		Lab ID: 5097643002		Collected: 05/13/14 09:20		Received: 05/13/14 15:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/23/14 21:23	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		109	%	79-116	1		05/23/14 21:23	1868-53-7	
4-Bromofluorobenzene (S)		99	%	80-114	1		05/23/14 21:23	460-00-4	
Toluene-d8 (S)		96	%	81-110	1		05/23/14 21:23	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0623-S1 (051314)		Lab ID: 5097643003	Collected: 05/13/14 09:40	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/24/14 11:39	67-64-1	
Benzene	ND ug/L		5.0	1		05/24/14 11:39	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/24/14 11:39	75-27-4	
Bromoform	ND ug/L		5.0	1		05/24/14 11:39	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/24/14 11:39	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/24/14 11:39	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/24/14 11:39	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/24/14 11:39	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/24/14 11:39	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/24/14 11:39	75-00-3	
Chloroform	ND ug/L		5.0	1		05/24/14 11:39	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/24/14 11:39	74-87-3	
Cyclohexane	ND ug/L		100	1		05/24/14 11:39	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/24/14 11:39	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/24/14 11:39	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/24/14 11:39	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 11:39	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 11:39	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 11:39	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/24/14 11:39	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/24/14 11:39	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/24/14 11:39	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/24/14 11:39	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 11:39	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 11:39	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/24/14 11:39	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 11:39	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 11:39	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/24/14 11:39	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/24/14 11:39	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/24/14 11:39	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/24/14 11:39	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/24/14 11:39	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/24/14 11:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/24/14 11:39	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/24/14 11:39	1634-04-4	
Styrene	ND ug/L		5.0	1		05/24/14 11:39	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/24/14 11:39	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/24/14 11:39	127-18-4	
Toluene	ND ug/L		5.0	1		05/24/14 11:39	108-88-3	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		05/24/14 11:39	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/24/14 11:39	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/24/14 11:39	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/24/14 11:39	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/24/14 11:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/24/14 11:39	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/24/14 11:39	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0623-S1 (051314)		Lab ID: 5097643003	Collected: 05/13/14 09:40	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/24/14 11:39	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104 %.		79-116	1		05/24/14 11:39	1868-53-7	
4-Bromofluorobenzene (S)	101 %.		80-114	1		05/24/14 11:39	460-00-4	
Toluene-d8 (S)	98 %.		81-110	1		05/24/14 11:39	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0509-S1 (051314)		Lab ID: 5097643004	Collected: 05/13/14 09:55	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/24/14 02:37	67-64-1	
Benzene	ND ug/L		5.0	1		05/24/14 02:37	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/24/14 02:37	75-27-4	
Bromoform	ND ug/L		5.0	1		05/24/14 02:37	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/24/14 02:37	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/24/14 02:37	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/24/14 02:37	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/24/14 02:37	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/24/14 02:37	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/24/14 02:37	75-00-3	
Chloroform	ND ug/L		5.0	1		05/24/14 02:37	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/24/14 02:37	74-87-3	
Cyclohexane	ND ug/L		100	1		05/24/14 02:37	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/24/14 02:37	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/24/14 02:37	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/24/14 02:37	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 02:37	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 02:37	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 02:37	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/24/14 02:37	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/24/14 02:37	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/24/14 02:37	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/24/14 02:37	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 02:37	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 02:37	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/24/14 02:37	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 02:37	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 02:37	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/24/14 02:37	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/24/14 02:37	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/24/14 02:37	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/24/14 02:37	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/24/14 02:37	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/24/14 02:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/24/14 02:37	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/24/14 02:37	1634-04-4	
Styrene	ND ug/L		5.0	1		05/24/14 02:37	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/24/14 02:37	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/24/14 02:37	127-18-4	
Toluene	ND ug/L		5.0	1		05/24/14 02:37	108-88-3	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		05/24/14 02:37	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/24/14 02:37	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/24/14 02:37	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/24/14 02:37	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/24/14 02:37	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/24/14 02:37	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/24/14 02:37	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0509-S1 (051314)		Lab ID: 5097643004	Collected: 05/13/14 09:55	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/24/14 02:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104 %.		79-116	1		05/24/14 02:37	1868-53-7	
4-Bromofluorobenzene (S)	98 %.		80-114	1		05/24/14 02:37	460-00-4	
Toluene-d8 (S)	98 %.		81-110	1		05/24/14 02:37	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0619-S1 (051314)		Lab ID: 5097643005	Collected: 05/13/14 10:15	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	100 ~~54.41~~ ug/L	ug/L	100	1		05/24/14 03:11	67-64-1	CC UB
Benzene	ND	ug/L	5.0	1		05/24/14 03:11	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/14 03:11	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/14 03:11	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/14 03:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/14 03:11	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/24/14 03:11	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/14 03:11	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/14 03:11	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/14 03:11	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/14 03:11	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/14 03:11	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/24/14 03:11	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/24/14 03:11	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/14 03:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/14 03:11	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 03:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 03:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 03:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/14 03:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/14 03:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/14 03:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/24/14 03:11	75-35-4	
cis-1,2-Dichloroethene	19.7	ug/L	5.0	1		05/24/14 03:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/14 03:11	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/14 03:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 03:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 03:11	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/14 03:11	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/24/14 03:11	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/14 03:11	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/24/14 03:11	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/24/14 03:11	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/24/14 03:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/14 03:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/14 03:11	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/24/14 03:11	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/14 03:11	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/14 03:11	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/14 03:11	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/14 03:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/14 03:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/14 03:11	79-00-5	
Trichloroethene	2.3J	ug/L	5.0	1		05/24/14 03:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/14 03:11	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/24/14 03:11	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/24/14 03:11	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0619-S1 (051314)		Lab ID: 5097643005		Collected: 05/13/14 10:15		Received: 05/13/14 15:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/24/14 03:11	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		107	%.	79-116	1		05/24/14 03:11	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	80-114	1		05/24/14 03:11	460-00-4	
Toluene-d8 (S)		97	%.	81-110	1		05/24/14 03:11	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0102-S1U (051314)		Lab ID: 5097643006	Collected: 05/13/14 10:30	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		05/24/14 04:17	67-64-1	
Benzene	ND	ug/L	5.0	1		05/24/14 04:17	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/14 04:17	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/14 04:17	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/14 04:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/14 04:17	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/24/14 04:17	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/14 04:17	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/14 04:17	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/14 04:17	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/14 04:17	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/14 04:17	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/24/14 04:17	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/24/14 04:17	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/14 04:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/14 04:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/14 04:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/14 04:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/14 04:17	107-06-2	
1,1-Dichloroethene	4.9J	ug/L	5.0	1		05/24/14 04:17	75-35-4	
cis-1,2-Dichloroethene	826	ug/L	125	25		05/24/14 04:50	156-59-2	D
trans-1,2-Dichloroethene	103	ug/L	5.0	1		05/24/14 04:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/14 04:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 04:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 04:17	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/14 04:17	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/24/14 04:17	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/14 04:17	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/24/14 04:17	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/24/14 04:17	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/24/14 04:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/14 04:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/14 04:17	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/24/14 04:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/14 04:17	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/14 04:17	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/14 04:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/14 04:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/14 04:17	79-00-5	
Trichloroethene	2910	ug/L	125	25		05/24/14 04:50	79-01-6	D
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/14 04:17	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/24/14 04:17	76-13-1	
Vinyl chloride	21.8	ug/L	2.0	1		05/24/14 04:17	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0102-S1U (051314)		Lab ID: 5097643006	Collected: 05/13/14 10:30	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		05/24/14 04:17	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107	%.	79-116	1		05/24/14 04:17	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114	1		05/24/14 04:17	460-00-4	
Toluene-d8 (S)	101	%.	81-110	1		05/24/14 04:17	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0621-S1 (051314)		Lab ID: 5097643007	Collected: 05/13/14 10:45	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	100	~~55.5J~~ ug/L	100	1		05/24/14 05:23	67-64-1	CC UB
Benzene		ND ug/L	5.0	1		05/24/14 05:23	71-43-2	
Bromodichloromethane		ND ug/L	5.0	1		05/24/14 05:23	75-27-4	
Bromoform		ND ug/L	5.0	1		05/24/14 05:23	75-25-2	
Bromomethane		ND ug/L	5.0	1		05/24/14 05:23	74-83-9	
2-Butanone (MEK)		ND ug/L	25.0	1		05/24/14 05:23	78-93-3	
Carbon disulfide		ND ug/L	10.0	1		05/24/14 05:23	75-15-0	
Carbon tetrachloride		ND ug/L	5.0	1		05/24/14 05:23	56-23-5	
Chlorobenzene		ND ug/L	5.0	1		05/24/14 05:23	108-90-7	
Chloroethane		ND ug/L	5.0	1		05/24/14 05:23	75-00-3	
Chloroform		ND ug/L	5.0	1		05/24/14 05:23	67-66-3	
Chloromethane		ND ug/L	5.0	1		05/24/14 05:23	74-87-3	
Cyclohexane		ND ug/L	100	1		05/24/14 05:23	110-82-7	N2
1,2-Dibromo-3-chloropropane		ND ug/L	10.0	1		05/24/14 05:23	96-12-8	
Dibromochloromethane		ND ug/L	5.0	1		05/24/14 05:23	124-48-1	
1,2-Dibromoethane (EDB)		ND ug/L	5.0	1		05/24/14 05:23	106-93-4	
1,2-Dichlorobenzene		ND ug/L	5.0	1		05/24/14 05:23	95-50-1	
1,3-Dichlorobenzene		ND ug/L	5.0	1		05/24/14 05:23	541-73-1	
1,4-Dichlorobenzene		ND ug/L	5.0	1		05/24/14 05:23	106-46-7	
Dichlorodifluoromethane		ND ug/L	5.0	1		05/24/14 05:23	75-71-8	
1,1-Dichloroethane		ND ug/L	5.0	1		05/24/14 05:23	75-34-3	
1,2-Dichloroethane		ND ug/L	5.0	1		05/24/14 05:23	107-06-2	
1,1-Dichloroethene		ND ug/L	5.0	1		05/24/14 05:23	75-35-4	
cis-1,2-Dichloroethene		71.2 ug/L	5.0	1		05/24/14 05:23	156-59-2	
trans-1,2-Dichloroethene		28.5 ug/L	5.0	1		05/24/14 05:23	156-60-5	
1,2-Dichloropropane		ND ug/L	5.0	1		05/24/14 05:23	78-87-5	
cis-1,3-Dichloropropene		ND ug/L	5.0	1		05/24/14 05:23	10061-01-5	
trans-1,3-Dichloropropene		ND ug/L	5.0	1		05/24/14 05:23	10061-02-6	
Ethylbenzene		ND ug/L	5.0	1		05/24/14 05:23	100-41-4	
2-Hexanone		ND ug/L	25.0	1		05/24/14 05:23	591-78-6	
Isopropylbenzene (Cumene)		ND ug/L	5.0	1		05/24/14 05:23	98-82-8	
Methyl acetate		ND ug/L	50.0	1		05/24/14 05:23	79-20-9	N2
Methylcyclohexane		ND ug/L	50.0	1		05/24/14 05:23	108-87-2	N2
Methylene Chloride		ND ug/L	5.0	1		05/24/14 05:23	75-09-2	
4-Methyl-2-pentanone (MIBK)		ND ug/L	25.0	1		05/24/14 05:23	108-10-1	
Methyl-tert-butyl ether		ND ug/L	4.0	1		05/24/14 05:23	1634-04-4	
Styrene		ND ug/L	5.0	1		05/24/14 05:23	100-42-5	
1,1,2,2-Tetrachloroethane		ND ug/L	5.0	1		05/24/14 05:23	79-34-5	
Tetrachloroethene		ND ug/L	5.0	1		05/24/14 05:23	127-18-4	
Toluene		ND ug/L	5.0	1		05/24/14 05:23	108-88-3	
1,2,4-Trichlorobenzene		ND ug/L	5.0	1		05/24/14 05:23	120-82-1	
1,1,1-Trichloroethane		ND ug/L	5.0	1		05/24/14 05:23	71-55-6	
1,1,2-Trichloroethane		ND ug/L	5.0	1		05/24/14 05:23	79-00-5	
Trichloroethene		1070 ug/L	50.0	10		05/24/14 23:29	79-01-6	D
Trichlorofluoromethane		ND ug/L	5.0	1		05/24/14 05:23	75-69-4	
1,1,2-Trichlorotrifluoroethane		ND ug/L	5.0	1		05/24/14 05:23	76-13-1	
Vinyl chloride		ND ug/L	2.0	1		05/24/14 05:23	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0621-S1 (051314)		Lab ID: 5097643007		Collected: 05/13/14 10:45		Received: 05/13/14 15:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/24/14 05:23	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		106	%.	79-116	1		05/24/14 05:23	1868-53-7	
4-Bromofluorobenzene (S)		100	%.	80-114	1		05/24/14 05:23	460-00-4	
Toluene-d8 (S)		101	%.	81-110	1		05/24/14 05:23	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0504-S1 (051314)		Lab ID: 5097643008		Collected: 05/13/14 11:00		Received: 05/13/14 15:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Acetone	100	~~57.33~~	ug/L	100	1		05/24/14 05:56	67-64-1	CC UB
Benzene		ND	ug/L	5.0	1		05/24/14 05:56	71-43-2	
Bromodichloromethane		ND	ug/L	5.0	1		05/24/14 05:56	75-27-4	
Bromoform		ND	ug/L	5.0	1		05/24/14 05:56	75-25-2	
Bromomethane		ND	ug/L	5.0	1		05/24/14 05:56	74-83-9	
2-Butanone (MEK)		ND	ug/L	25.0	1		05/24/14 05:56	78-93-3	
Carbon disulfide		ND	ug/L	10.0	1		05/24/14 05:56	75-15-0	
Carbon tetrachloride		ND	ug/L	5.0	1		05/24/14 05:56	56-23-5	
Chlorobenzene		ND	ug/L	5.0	1		05/24/14 05:56	108-90-7	
Chloroethane		ND	ug/L	5.0	1		05/24/14 05:56	75-00-3	
Chloroform		ND	ug/L	5.0	1		05/24/14 05:56	67-66-3	
Chloromethane		ND	ug/L	5.0	1		05/24/14 05:56	74-87-3	
Cyclohexane		ND	ug/L	100	1		05/24/14 05:56	110-82-7	N2
1,2-Dibromo-3-chloropropane		ND	ug/L	10.0	1		05/24/14 05:56	96-12-8	
Dibromochloromethane		ND	ug/L	5.0	1		05/24/14 05:56	124-48-1	
1,2-Dibromoethane (EDB)		ND	ug/L	5.0	1		05/24/14 05:56	106-93-4	
1,2-Dichlorobenzene		ND	ug/L	5.0	1		05/24/14 05:56	95-50-1	
1,3-Dichlorobenzene		ND	ug/L	5.0	1		05/24/14 05:56	541-73-1	
1,4-Dichlorobenzene		ND	ug/L	5.0	1		05/24/14 05:56	106-46-7	
Dichlorodifluoromethane		ND	ug/L	5.0	1		05/24/14 05:56	75-71-8	
1,1-Dichloroethane		7.8	ug/L	5.0	1		05/24/14 05:56	75-34-3	
1,2-Dichloroethane		ND	ug/L	5.0	1		05/24/14 05:56	107-06-2	
1,1-Dichloroethene		6.4	ug/L	5.0	1		05/24/14 05:56	75-35-4	
cis-1,2-Dichloroethene		826	ug/L	100	20		05/24/14 06:30	156-59-2	D
trans-1,2-Dichloroethene		154	ug/L	5.0	1		05/24/14 05:56	156-60-5	
1,2-Dichloropropane		ND	ug/L	5.0	1		05/24/14 05:56	78-87-5	
cis-1,3-Dichloropropene		ND	ug/L	5.0	1		05/24/14 05:56	10061-01-5	
trans-1,3-Dichloropropene		ND	ug/L	5.0	1		05/24/14 05:56	10061-02-6	
Ethylbenzene		ND	ug/L	5.0	1		05/24/14 05:56	100-41-4	
2-Hexanone		ND	ug/L	25.0	1		05/24/14 05:56	591-78-6	
Isopropylbenzene (Cumene)		ND	ug/L	5.0	1		05/24/14 05:56	98-82-8	
Methyl acetate		ND	ug/L	50.0	1		05/24/14 05:56	79-20-9	
Methylcyclohexane		ND	ug/L	50.0	1		05/24/14 05:56	108-87-2	N2
Methylene Chloride		ND	ug/L	5.0	1		05/24/14 05:56	75-09-2	
4-Methyl-2-pentanone (MIBK)		ND	ug/L	25.0	1		05/24/14 05:56	108-10-1	
Methyl-tert-butyl ether		ND	ug/L	4.0	1		05/24/14 05:56	1634-04-4	
Styrene		ND	ug/L	5.0	1		05/24/14 05:56	100-42-5	
1,1,2,2-Tetrachloroethane		ND	ug/L	5.0	1		05/24/14 05:56	79-34-5	
Tetrachloroethene		ND	ug/L	5.0	1		05/24/14 05:56	127-18-4	
Toluene		ND	ug/L	5.0	1		05/24/14 05:56	108-88-3	
1,2,4-Trichlorobenzene		ND	ug/L	5.0	1		05/24/14 05:56	120-82-1	
1,1,1-Trichloroethane		ND	ug/L	5.0	1		05/24/14 05:56	71-55-6	
1,1,2-Trichloroethane		ND	ug/L	5.0	1		05/24/14 05:56	79-00-5	
Trichloroethene		2740	ug/L	100	20		05/24/14 06:30	79-01-6	D
Trichlorofluoromethane		ND	ug/L	5.0	1		05/24/14 05:56	75-69-4	
1,1,2-Trichlorotrifluoroethane		ND	ug/L	5.0	1		05/24/14 05:56	76-13-1	
Vinyl chloride		24.4	ug/L	2.0	1		05/24/14 05:56	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0504-S1 (051314)		Lab ID: 5097643008	Collected: 05/13/14 11:00	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/24/14 05:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107 %.		79-116	1		05/24/14 05:56	1868-53-7	
4-Bromofluorobenzene (S)	98 %.		80-114	1		05/24/14 05:56	460-00-4	
Toluene-d8 (S)	103 %.		81-110	1		05/24/14 05:56	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: EB-1 (051314)		Lab ID: 5097643009	Collected: 05/13/14 11:15	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	88.6J	ug/L	100	1		05/24/14 02:54	67-64-1	
Benzene	ND	ug/L	5.0	1		05/24/14 02:54	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/14 02:54	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/14 02:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/14 02:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/14 02:54	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/24/14 02:54	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/14 02:54	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/14 02:54	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/14 02:54	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/14 02:54	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/14 02:54	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/24/14 02:54	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/24/14 02:54	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/14 02:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/14 02:54	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 02:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 02:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 02:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/14 02:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/14 02:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/14 02:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/24/14 02:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/14 02:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/14 02:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/14 02:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 02:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 02:54	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/14 02:54	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/24/14 02:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/14 02:54	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/24/14 02:54	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/24/14 02:54	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/24/14 02:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/14 02:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/14 02:54	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/24/14 02:54	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/14 02:54	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/14 02:54	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/14 02:54	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/14 02:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/14 02:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/14 02:54	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/24/14 02:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/14 02:54	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/24/14 02:54	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/24/14 02:54	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: EB-1 (051314)		Lab ID: 5097643009		Collected: 05/13/14 11:15		Received: 05/13/14 15:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/24/14 02:54	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		108	%.	79-116	1		05/24/14 02:54	1868-53-7	
4-Bromofluorobenzene (S)		98	%.	80-114	1		05/24/14 02:54	460-00-4	
Toluene-d8 (S)		97	%.	81-110	1		05/24/14 02:54	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0506-S1 (051314)		Lab ID: 5097643010	Collected: 05/13/14 11:30	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	100 ~~56.73~~	ug/L	100	1		05/24/14 03:27	67-64-1	UB
Benzene	ND	ug/L	5.0	1		05/24/14 03:27	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/14 03:27	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/14 03:27	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/14 03:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/14 03:27	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/24/14 03:27	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/14 03:27	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/14 03:27	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/14 03:27	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/14 03:27	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/14 03:27	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/24/14 03:27	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/24/14 03:27	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/14 03:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/14 03:27	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 03:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 03:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 03:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/14 03:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/14 03:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/14 03:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/24/14 03:27	75-35-4	
cis-1,2-Dichloroethene	3.23	ug/L	5.0	1		05/24/14 03:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/14 03:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/14 03:27	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 03:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 03:27	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/14 03:27	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/24/14 03:27	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/14 03:27	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/24/14 03:27	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/24/14 03:27	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/24/14 03:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/14 03:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/14 03:27	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/24/14 03:27	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/14 03:27	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/14 03:27	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/14 03:27	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/14 03:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/14 03:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/14 03:27	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/24/14 03:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/14 03:27	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/24/14 03:27	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/24/14 03:27	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0506-S1 (051314)		Lab ID: 5097643010	Collected: 05/13/14 11:30	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/24/14 03:27	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105 %.		79-116	1		05/24/14 03:27	1868-53-7	
4-Bromofluorobenzene (S)	97 %.		80-114	1		05/24/14 03:27	460-00-4	
Toluene-d8 (S)	97 %.		81-110	1		05/24/14 03:27	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0617-S1 (051314)		Lab ID: 5097643011	Collected: 05/13/14 11:45	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	100 ~~56.53~~ ug/L	ug/L	100	1		05/24/14 04:00	67-64-1	UB
Benzene	ND	ug/L	5.0	1		05/24/14 04:00	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/14 04:00	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/14 04:00	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/14 04:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/14 04:00	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/24/14 04:00	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/14 04:00	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/14 04:00	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/14 04:00	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/14 04:00	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/14 04:00	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/24/14 04:00	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/24/14 04:00	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/14 04:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/14 04:00	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/14 04:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/14 04:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/14 04:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/24/14 04:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/14 04:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/14 04:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/14 04:00	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 04:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 04:00	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/14 04:00	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/24/14 04:00	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/14 04:00	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/24/14 04:00	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/24/14 04:00	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/24/14 04:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/14 04:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/14 04:00	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/24/14 04:00	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/14 04:00	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/14 04:00	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/14 04:00	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/14 04:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/14 04:00	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/24/14 04:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/14 04:00	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/24/14 04:00	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/24/14 04:00	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0617-S1 (051314)		Lab ID: 5097643011		Collected: 05/13/14 11:45		Received: 05/13/14 15:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND ug/L		10.0	1		05/24/14 04:00	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		104 %.		79-116	1		05/24/14 04:00	1868-53-7	
4-Bromofluorobenzene (S)		97 %.		80-114	1		05/24/14 04:00	460-00-4	
Toluene-d8 (S)		98 %.		81-110	1		05/24/14 04:00	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0507-S1 (051314)		Lab ID: 5097643012	Collected: 05/13/14 12:00	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND	ug/L	100	1		05/24/14 04:33	67-64-1	
Benzene	ND	ug/L	5.0	1		05/24/14 04:33	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/14 04:33	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/14 04:33	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/14 04:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/14 04:33	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/24/14 04:33	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/14 04:33	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/14 04:33	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/14 04:33	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/14 04:33	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/14 04:33	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/24/14 04:33	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/24/14 04:33	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/14 04:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/14 04:33	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/14 04:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/14 04:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/14 04:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/24/14 04:33	75-35-4	
cis-1,2-Dichloroethene	3.2J	ug/L	5.0	1		05/24/14 04:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/24/14 04:33	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/14 04:33	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 04:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 04:33	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/14 04:33	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/24/14 04:33	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/14 04:33	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/24/14 04:33	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/24/14 04:33	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/24/14 04:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/14 04:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/14 04:33	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/24/14 04:33	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/14 04:33	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/14 04:33	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/14 04:33	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/14 04:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/14 04:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/14 04:33	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/24/14 04:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/14 04:33	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/24/14 04:33	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/24/14 04:33	75-01-4	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0507-S1 (051314)		Lab ID: 5097643012	Collected: 05/13/14 12:00	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/24/14 04:33	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105 %.		79-116	1		05/24/14 04:33	1868-53-7	
4-Bromofluorobenzene (S)	99 %.		80-114	1		05/24/14 04:33	460-00-4	
Toluene-d8 (S)	98 %.		81-110	1		05/24/14 04:33	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0503-S1 (051314)		Lab ID: 5097643013	Collected: 05/13/14 12:15	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	100 ~~66.93~~ ug/L	ug/L	100	1		05/23/14 21:40	67-64-1	CC UB
Benzene	ND	ug/L	5.0	1		05/23/14 21:40	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/23/14 21:40	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/23/14 21:40	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/23/14 21:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/23/14 21:40	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/23/14 21:40	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/23/14 21:40	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/23/14 21:40	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/23/14 21:40	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/23/14 21:40	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/23/14 21:40	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/23/14 21:40	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/23/14 21:40	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/23/14 21:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/23/14 21:40	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/23/14 21:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/23/14 21:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/23/14 21:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/23/14 21:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/14 21:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/23/14 21:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/23/14 21:40	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 21:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/23/14 21:40	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/23/14 21:40	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/23/14 21:40	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/23/14 21:40	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/23/14 21:40	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/23/14 21:40	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/23/14 21:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/23/14 21:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/23/14 21:40	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/23/14 21:40	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/23/14 21:40	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/23/14 21:40	127-18-4	
Toluene	ND	ug/L	5.0	1		05/23/14 21:40	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/23/14 21:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/23/14 21:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/23/14 21:40	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/23/14 21:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/23/14 21:40	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/23/14 21:40	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		05/23/14 21:40	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0503-S1 (051314)		Lab ID: 5097643013	Collected: 05/13/14 12:15	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND ug/L		10.0	1		05/23/14 21:40	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	108 %.		79-116	1		05/23/14 21:40	1868-53-7	
4-Bromofluorobenzene (S)	98 %.		80-114	1		05/23/14 21:40	460-00-4	
Toluene-d8 (S)	97 %.		81-110	1		05/23/14 21:40	2037-26-5	

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0604-S1 (051314)		Lab ID: 5097643014	Collected: 05/13/14 12:45	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	100 ~~62.53~~ ug/L	ug/L	100	1		05/24/14 05:06	67-64-1	UB
Benzene	ND	ug/L	5.0	1		05/24/14 05:06	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/24/14 05:06	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/24/14 05:06	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/24/14 05:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		05/24/14 05:06	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		05/24/14 05:06	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		05/24/14 05:06	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/24/14 05:06	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/24/14 05:06	75-00-3	
Chloroform	ND	ug/L	5.0	1		05/24/14 05:06	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/24/14 05:06	74-87-3	
Cyclohexane	ND	ug/L	100	1		05/24/14 05:06	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		05/24/14 05:06	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		05/24/14 05:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		05/24/14 05:06	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 05:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 05:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/24/14 05:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		05/24/14 05:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/24/14 05:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/24/14 05:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/24/14 05:06	75-35-4	
cis-1,2-Dichloroethene	271	ug/L	5.0	1		05/24/14 05:06	156-59-2	
trans-1,2-Dichloroethene	27.2	ug/L	5.0	1		05/24/14 05:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/24/14 05:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 05:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/24/14 05:06	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/24/14 05:06	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		05/24/14 05:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		05/24/14 05:06	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		05/24/14 05:06	79-20-9	N2
Methylcyclohexane	ND	ug/L	50.0	1		05/24/14 05:06	108-87-2	N2
Methylene Chloride	ND	ug/L	5.0	1		05/24/14 05:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		05/24/14 05:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		05/24/14 05:06	1634-04-4	
Styrene	ND	ug/L	5.0	1		05/24/14 05:06	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/24/14 05:06	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/24/14 05:06	127-18-4	
Toluene	ND	ug/L	5.0	1		05/24/14 05:06	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		05/24/14 05:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/24/14 05:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/24/14 05:06	79-00-5	
Trichloroethene	747	ug/L	50.0	10		05/25/14 00:02	79-01-6	D
Trichlorofluoromethane	ND	ug/L	5.0	1		05/24/14 05:06	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		05/24/14 05:06	76-13-1	
Vinyl chloride	16.2	ug/L	2.0	1		05/24/14 05:06	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: MW-0604-S1 (051314)		Lab ID: 5097643014		Collected: 05/13/14 12:45		Received: 05/13/14 15:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Xylene (Total)		ND	ug/L	10.0	1		05/24/14 05:06	1330-20-7	
Surrogates									
Dibromofluoromethane (S)		107	%.	79-116	1		05/24/14 05:06	1868-53-7	
4-Bromofluorobenzene (S)		97	%.	80-114	1		05/24/14 05:06	460-00-4	
Toluene-d8 (S)		99	%.	81-110	1		05/24/14 05:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: TB-2-BC		Lab ID: 5097643015	Collected: 05/13/14 08:00	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Acetone	ND ug/L		100	1		05/24/14 02:04	67-64-1	
Benzene	ND ug/L		5.0	1		05/24/14 02:04	71-43-2	
Bromodichloromethane	ND ug/L		5.0	1		05/24/14 02:04	75-27-4	
Bromoform	ND ug/L		5.0	1		05/24/14 02:04	75-25-2	
Bromomethane	ND ug/L		5.0	1		05/24/14 02:04	74-83-9	
2-Butanone (MEK)	ND ug/L		25.0	1		05/24/14 02:04	78-93-3	
Carbon disulfide	ND ug/L		10.0	1		05/24/14 02:04	75-15-0	
Carbon tetrachloride	ND ug/L		5.0	1		05/24/14 02:04	56-23-5	
Chlorobenzene	ND ug/L		5.0	1		05/24/14 02:04	108-90-7	
Chloroethane	ND ug/L		5.0	1		05/24/14 02:04	75-00-3	
Chloroform	ND ug/L		5.0	1		05/24/14 02:04	67-66-3	
Chloromethane	ND ug/L		5.0	1		05/24/14 02:04	74-87-3	
Cyclohexane	ND ug/L		100	1		05/24/14 02:04	110-82-7	N2
1,2-Dibromo-3-chloropropane	ND ug/L		10.0	1		05/24/14 02:04	96-12-8	
Dibromochloromethane	ND ug/L		5.0	1		05/24/14 02:04	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		5.0	1		05/24/14 02:04	106-93-4	
1,2-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 02:04	95-50-1	
1,3-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 02:04	541-73-1	
1,4-Dichlorobenzene	ND ug/L		5.0	1		05/24/14 02:04	106-46-7	
Dichlorodifluoromethane	ND ug/L		5.0	1		05/24/14 02:04	75-71-8	
1,1-Dichloroethane	ND ug/L		5.0	1		05/24/14 02:04	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		05/24/14 02:04	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		05/24/14 02:04	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 02:04	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		05/24/14 02:04	156-60-5	
1,2-Dichloropropane	ND ug/L		5.0	1		05/24/14 02:04	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 02:04	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		5.0	1		05/24/14 02:04	10061-02-6	
Ethylbenzene	ND ug/L		5.0	1		05/24/14 02:04	100-41-4	
2-Hexanone	ND ug/L		25.0	1		05/24/14 02:04	591-78-6	
Isopropylbenzene (Cumene)	ND ug/L		5.0	1		05/24/14 02:04	98-82-8	
Methyl acetate	ND ug/L		50.0	1		05/24/14 02:04	79-20-9	N2
Methylcyclohexane	ND ug/L		50.0	1		05/24/14 02:04	108-87-2	N2
Methylene Chloride	ND ug/L		5.0	1		05/24/14 02:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		25.0	1		05/24/14 02:04	108-10-1	
Methyl-tert-butyl ether	ND ug/L		4.0	1		05/24/14 02:04	1634-04-4	
Styrene	ND ug/L		5.0	1		05/24/14 02:04	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/L		5.0	1		05/24/14 02:04	79-34-5	
Tetrachloroethene	ND ug/L		5.0	1		05/24/14 02:04	127-18-4	
Toluene	ND ug/L		5.0	1		05/24/14 02:04	108-88-3	
1,2,4-Trichlorobenzene	ND ug/L		5.0	1		05/24/14 02:04	120-82-1	
1,1,1-Trichloroethane	ND ug/L		5.0	1		05/24/14 02:04	71-55-6	
1,1,2-Trichloroethane	ND ug/L		5.0	1		05/24/14 02:04	79-00-5	
Trichloroethene	ND ug/L		5.0	1		05/24/14 02:04	79-01-6	
Trichlorofluoromethane	ND ug/L		5.0	1		05/24/14 02:04	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND ug/L		5.0	1		05/24/14 02:04	76-13-1	
Vinyl chloride	ND ug/L		2.0	1		05/24/14 02:04	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GM-Delco

Pace Project No.: 5097643

Sample: TB-2-BC		Lab ID: 5097643015	Collected: 05/13/14 08:00	Received: 05/13/14 15:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Xylene (Total)	ND	ug/L	10.0	1		05/24/14 02:04	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	79-116	1		05/24/14 02:04	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	80-114	1		05/24/14 02:04	460-00-4	
Toluene-d8 (S)	98	%.	81-110	1		05/24/14 02:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: GM-Delco

Pace Project No.: 5097643

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CC The continuing calibration for this compound is outside of method control limits. The result is estimated.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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

N2 The lab does not hold TNI accreditation for this parameter.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A

Required Client Information:

Company:

ARCADIS

Address:

1326 Washington St Ste 600

Email To:

Indianapolis, IN 46204

Phone:

(317) 201-6500

Requested Due Date/TAT:

STAT

Section B

Required Project Information:

Report To:

Sam. Fisher @ arcadis - us.com

Copy To:

Mr. Andrew Griles

Purchase Order No.:

JN 000884, 2014, 0006

Project Name:

GM-Delco Racer Trust

Project Number:

JN 000884, 2014, 0006

Section C

Invoice Information:

Attention:

Company Name:

Address:

Pace Quote Reference:

Pace Project Manager:

Donna Spyer

Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ RCRA ☐ UST ☐ DRINKING WATER ☐ OTHER

Site Location

IN

STATE:

Page:

1 of 2

1686377

Section D Required Client Information	Matrix Codes MATRIX / CODE	SAMPLE ID (A-Z, 0-9 / -)	Sample IDs MUST BE UNIQUE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see well codes to left)		DATE		TIME		COMPOSITE START	COMPOSITE END/GRAB	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test ↑	Y/N	Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
				Drinking Water	Water		Waste Water	Product	Soil/Solid	Oil	Wipe	AR					Tissue	Other	DW	WT	WW	P-	SL			OL	WP	AR	TS	OT	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol			Other																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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ADDITIONAL COMMENTS

Level IV QAC

RELINQUISHED BY / AFFILIATION

ARCADIS

DATE

5/13/14

TIME

1300

ACCEPTED BY / AFFILIATION

ARCADIS

DATE

5/13/14

TIME

1300

DATE SIGNED (MM/DD/YY):

5/13/14

DATE SIGNED

5-13-14 15:00

Y

Y

Y

Received on

Ice (Y/N)

Custody

Sealed Cooler

Samples Intact

Temp In °C

1.0

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE OF SAMPLER:

DATE SIGNED

5/13/14

ORIGINAL

Page 60 of 64

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: ARCADES	Report To: Spesh-fisher@arcades-us.com	Company Name:	Attention:	Page: 2 of 2	
Address: 132 E Washington St Ste 600	Copy To: Matthew Griles	Address:		1686378	
Email To: Debra@paceanals.com	Purchase Order No.: IN000884	Pace Quote Reference:			
Phone: 317 231-6300	Project Name: GM-Delco Racer Trust	Pace Project Manager:			
Requested Due Date/TAT: 5-14	Project Number: IN000884	Pace Profile #:			

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	DATE	TIME	DATE	TIME	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Requested Analysis Filtered (Y/N)	Preservatives	Analysis Test	Y/N	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
			COMPOSITE START	COMPOSITE END/GRAB																		
1		DW Drinking Water			G		05-13-14	12:15														
2		WW Waste Water			G		05-13-14	12:45														
3		P Product																				
4		SL Soil/Solid																				
5		OL Oil																				
6		WP Wipe																				
7		AR Air																				
8		TS Tissue																				
9		OT Other																				
10																						
11																						
12																						

Section E Additional Comments		Section F Relinquished By / Affiliation		Section G Date / Time	
Mw-003-SI(051314)		Mw-004-SI(051314)		5-13-14 13:00	
Mw-004-SI(051314)		Mw-004-SI(051314)		5-13-14 15:00	

Section H Samples Intact (Y/N)		Section I Sealed Cooler (Y/N)		Section J Custody (Y/N)	
Y		Y		Y	

Section K Temp in °C		Section L Received on (Y/N)		Section M Ice (Y/N)	
1.0		Y		Y	

Section N Sampler Name and Signature		Section O Print Name of Sampler		Section P Signature of Sampler	
Brian Costing		Brian Costing		5/13/14	

6/4/2014

Mr. Rob Uppencamp

Arcadis U.S., Inc.

132 East Washington St., Suite 600

Indianapolis IN 46204

Project Name: RACER KOKOMO

Project #: IN000884.2014.00006

Workorder #: 1405363A

Dear Mr. Rob Uppencamp

The following report includes the data for the above referenced project for sample(s) received on 5/20/2014 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott

Project Manager

WORK ORDER #: 1405363A

Work Order Summary

CLIENT:	Mr. Rob Uppencamp Arcadis U.S., Inc. 132 East Washington St., Suite 600 Indianapolis, IN 46204	BILL TO:	Accounts Payable Arcadis U.S., Inc. 630 Plaza Drive Suite 600 Highlands Ranch, CO 80129
PHONE:	317-231-6500	P.O. #	IN000884.2014.00006
FAX:	317-231-6514	PROJECT #	IN000884.2014.00006 RACER KOKOMO
DATE RECEIVED:	05/20/2014	CONTACT:	Ausha Scott
DATE COMPLETED:	06/04/2014		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	IA-4-2 (051514)	Modified TO-15 SIM	5.7 "Hg	4.8 psi
02A	CS-4-2 (051514)	Modified TO-15 SIM	4.5 "Hg	5 psi
03A	Lab Blank	Modified TO-15 SIM	NA	NA
04A	CCV	Modified TO-15 SIM	NA	NA
05A	LCS	Modified TO-15 SIM	NA	NA
05AA	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY:



Technical Director

DATE: 06/04/14

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-13-6, UT NELAP CA009332013-4, VA NELAP - 460197, WA NELAP - C935

Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2013, Expiration date: 10/17/2014.

Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 956

(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15 SIM
Arcadis U.S., Inc.
Workorder# 1405363A

Two 6 Liter Summa Canister (SIM Certified) samples were received on May 20, 2014. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	TO-15	ATL Modifications
ICAL %RSD acceptance criteria	$\leq 30\%$ RSD with 2 compounds allowed out to $< 40\%$ RSD	Project specific; default criteria is $\leq 30\%$ RSD with 10% of compounds allowed out to $< 40\%$ RSD
Daily Calibration	$\pm 30\%$ Difference	Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

As per project specific client request the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. The canisters used for this project have been certified to the Reporting Limit for the target analytes included in this workorder. Concentrations that are below the level at which the canister was certified may be false positives.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: IA-4-2 (051514)

Lab ID#: 1405363A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.018	0.042	0.047
cis-1,2-Dichloroethene	0.033	0.23	0.13	0.91
Trichloroethene	0.033	0.55	0.18	2.9
Tetrachloroethene	0.033	0.26	0.22	1.8
trans-1,2-Dichloroethene	0.16	0.032 J	0.65	0.13 J

Client Sample ID: CS-4-2 (051514)

Lab ID#: 1405363A-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.010 J	0.040	0.026 J
cis-1,2-Dichloroethene	0.032	0.092	0.12	0.36
Trichloroethene	0.032	0.27	0.17	1.4
Tetrachloroethene	0.032	0.13	0.21	0.88
trans-1,2-Dichloroethene	0.16	0.014 J	0.63	0.055 J

Client Sample ID: IA-4-2 (051514)

Lab ID#: 1405363A-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e052812sim	Date of Collection: 5/16/14 11:09:00 AM
Dil. Factor:	1.64	Date of Analysis: 5/28/14 05:26 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.018	0.042	0.047
1,1-Dichloroethene	0.016	Not Detected	0.065	Not Detected
cis-1,2-Dichloroethene	0.033	0.23	0.13	0.91
Trichloroethene	0.033	0.55	0.18	2.9
Tetrachloroethene	0.033	0.26	0.22	1.8
trans-1,2-Dichloroethene	0.16	0.032 J	0.65	0.13 J

J = Estimated value.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	106	70-130



Air Toxics

Client Sample ID: CS-4-2 (051514)

Lab ID#: 1405363A-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e052813sim	Date of Collection: 5/16/14 11:10:00 AM
Dil. Factor:	1.58	Date of Analysis: 5/28/14 06:25 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.010 J	0.040	0.026 J
1,1-Dichloroethene	0.016	Not Detected	0.063	Not Detected
cis-1,2-Dichloroethene	0.032	0.092	0.12	0.36
Trichloroethene	0.032	0.27	0.17	1.4
Tetrachloroethene	0.032	0.13	0.21	0.88
trans-1,2-Dichloroethene	0.16	0.014 J	0.63	0.055 J

J = Estimated value.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	105	70-130

Client Sample ID: Lab Blank

Lab ID#: 1405363A-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e052806simc	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/28/14 11:42 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
cis-1,2-Dichloroethene	0.020	0.0052 J	0.079	0.020 J
Trichloroethene	0.020	0.0042 J	0.11	0.022 J
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
trans-1,2-Dichloroethene	0.10	0.0068 J	0.40	0.027 J

J = Estimated value.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	106	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1405363A-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e052802sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/28/14 08:21 AM

Compound	%Recovery
Vinyl Chloride	85
1,1-Dichloroethene	79
cis-1,2-Dichloroethene	82
Trichloroethene	87
Tetrachloroethene	98
trans-1,2-Dichloroethene	81

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	112	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1405363A-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e052803sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/28/14 09:04 AM

Compound	%Recovery	Method Limits
Vinyl Chloride	94	70-130
1,1-Dichloroethene	97	70-130
cis-1,2-Dichloroethene	101	70-130
Trichloroethene	97	70-130
Tetrachloroethene	106	70-130
trans-1,2-Dichloroethene	76	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	112	70-130

Client Sample ID: LCSD

Lab ID#: 1405363A-05AA

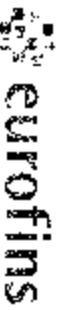
MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e052804sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/28/14 09:54 AM

Compound	%Recovery	Method Limits
Vinyl Chloride	94	70-130
1,1-Dichloroethene	97	70-130
cis-1,2-Dichloroethene	100	70-130
Trichloroethene	96	70-130
Tetrachloroethene	105	70-130
trans-1,2-Dichloroethene	76	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	113	70-130



Air Toxics

Sample Transportation Notice

Releasing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air toxics limited assumes no liability with respect to the collection, handling or shipping of these samples. Releasing signature also indicates agreement to not harmlessly, defile, and indelibly Air Toxics Limited against any claim, demand, or action, of any kind, related to the collector, handling, or shipping of samples. D.O.T. Heli me (800) 457-4022

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95650-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 1

Project Manager: Ron L. Heston

Collected by: Paul and Stan Brown

Company: ACAPIS

Email: R.L.Heston@acapis.com

Address: 122 E. Washington St. City: Waltham State: MA Zip: 01904

Phone: 317-336-6520 Fax: 317-336-6514

Project Info:

P.O. # INNOVEX 20050216

Project # INNOVEX 12014 000010

Project Name: Pharm. Kerosene

Turn Around Time:

☒ Normal

☐ Rush

Lead Use Only

Pressurized by:

Date:

Pressurization Date:

Ms. He

Canister Pressure/Vacuum

Initial Final Model Final

Lab ID	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Initial	Final	Model	Final
014	1A-1-2 (051514)	053535	5/15/14	10:01	TO-15 Particulate List	29.25	6.25		
024	03-4-2 (051514)	10783	5/15/14	11:04-11:10	TO-15 Particulate List	29.25	6.25		
034	03-4-2 (051614)	00865	5/16/14	11:44-11:50	TO-15 Particulate List	29.25	5.25		

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	Notes
<u>[Signature]</u>	<u>5-16-14 15:30</u>	<u>[Signature]</u>	<u>5-16-14 09:50</u>	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time	

Lab Use Only

Project Name: Pharm. Kerosene

Job # 144

Condition: Good

Client: Shells Int'l

Work Order # 1405363

6/4/2014

Mr. Rob Uppencamp

Arcadis U.S., Inc.

132 East Washington St., Suite 600

Indianapolis IN 46204

Project Name: RACER KOKOMO

Project #: IN000884.2014.00006

Workorder #: 1405363B

Dear Mr. Rob Uppencamp

The following report includes the data for the above referenced project for sample(s) received on 5/20/2014 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott

Project Manager

WORK ORDER #: 1405363B

Work Order Summary

CLIENT:	Mr. Rob Uppencamp Arcadis U.S., Inc. 132 East Washington St., Suite 600 Indianapolis, IN 46204	BILL TO:	Accounts Payable Arcadis U.S., Inc. 630 Plaza Drive Suite 600 Highlands Ranch, CO 80129
PHONE:	317-231-6500	P.O. #	IN000884.2014.00006
FAX:	317-231-6514	PROJECT #	IN000884.2014.00006 RACER KOKOMO
DATE RECEIVED:	05/20/2014	CONTACT:	Ausha Scott
DATE COMPLETED:	06/04/2014		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
03A	SS-4-2 (051614)	TO-15	4.9 "Hg	15.1 psi
04A	Lab Blank	TO-15	NA	NA
05A	CCV	TO-15	NA	NA
06A	LCS	TO-15	NA	NA
06AA	LCSD	TO-15	NA	NA

CERTIFIED BY:



Technical Director

DATE: 06/04/14

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-13-6, UT NELAP CA009332013-4, VA NELAP - 460197, WA NELAP - C935

Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2013, Expiration date: 10/17/2014.

Eurofins Air Toxics Inc., certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
EPA Method TO-15
Arcadis U.S., Inc.
Workorder# 1405363B

One 1 Liter Summa Canister sample was received on May 20, 2014. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

As per client project requirements, the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified (0.2 ppbv for compounds reported at 0.5 ppbv) may be false positives.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds

EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SS-4-2 (051614)

Lab ID#: 1405363B-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	1.2	0.65 J	4.8	2.6 J
Trichloroethene	1.2	1.1 J	6.5	5.7 J
Tetrachloroethene	1.2	0.59 J	8.2	4.0 J



Air Toxics

Client Sample ID: SS-4-2 (051614)

Lab ID#: 1405363B-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3053021	Date of Collection: 5/16/14 11:32:00 AM
Dil. Factor:	2.42	Date of Analysis: 5/30/14 09:48 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.8	Not Detected
cis-1,2-Dichloroethene	1.2	0.65 J	4.8	2.6 J
Trichloroethene	1.2	1.1 J	6.5	5.7 J
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Tetrachloroethene	1.2	0.59 J	8.2	4.0 J

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1405363B-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3053007d	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/30/14 11:02 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	89	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1405363B-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3053002	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/30/14 07:49 AM

Compound	%Recovery

Vinyl Chloride	96
1,1-Dichloroethene	98
cis-1,2-Dichloroethene	98
Trichloroethene	128
trans-1,2-Dichloroethene	96
Tetrachloroethene	93

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	103	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1405363B-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3053003	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/30/14 08:16 AM

Compound	%Recovery	Method Limits
Vinyl Chloride	99	70-130
1,1-Dichloroethene	113	70-130
cis-1,2-Dichloroethene	116	70-130
Trichloroethene	96	70-130
trans-1,2-Dichloroethene	86	70-130
Tetrachloroethene	95	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	100	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1405363B-06AA

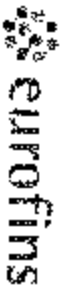
EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3053004	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/30/14 08:43 AM

Compound	%Recovery	Method Limits
Vinyl Chloride	96	70-130
1,1-Dichloroethene	110	70-130
cis-1,2-Dichloroethene	113	70-130
Trichloroethene	98	70-130
trans-1,2-Dichloroethene	84	70-130
Tetrachloroethene	95	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	102	70-130



Air Toxics

Sample Transportation Notice

Full requesting signature on this document indicates that sample is being shipped in compliance with all applicable local, state, federal, national, and international laws, regulations and ordinances of any and all jurisdictions. Requesting signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, damages, or action of any kind related to the collection, handling, or shipping of samples. D.O.I. Hotline (800) 407-4922

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FOLSOM, CA 95630-4716
(916) 985-1000 FAX (916) 985-1020

Page 1 of 1

Project Manager: Don Vignati

Collected by: Don Vignati

Company: Acadix

Address: 132 E. Washington St. City, Indiana 46032

Phone: 317-236-6500 Fax: 317-236-6574

Project Info:

P.O. #: 5000864

Project #: IND00864, 2014, 02010

Project Name: Phase 2, Kanawha

Turn Around Time:

☒ Normal

☐ Rush

Preparation: Gas

Analysis: NI

Field Sample ID (Location)

1A-1-2 (051514)

1A-1-2 (051514)

1A-1-2 (051514)

1A-1-2 (051514)

1A-1-2 (051514)

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Retrieved by: (signature) Date/Time

5/15/14 1330

Received by: (signature) Date/Time

5/15/14 0950

Relinquished by: (signature) Date/Time

Received by: (signature) Date/Time

Relinquished by: (signature) Date/Time

Received by: (signature) Date/Time

Relinquished by: (signature) Date/Time

Notes:

Lab

Shipper Name

Shipper Address

Shipper City

Shipper State

Shipper Zip

Temp (F)

Condition

Customs Seal

Seal No.

Seal Date

Seal Time

Seal Initial

Seal Signature

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6/4/2014

Mr. Rob Uppencamp

Arcadis U.S., Inc.

132 East Washington St., Suite 600

Indianapolis IN 46204

Project Name: RACER KOKOMO

Project #: IN000884.2014.00006

Workorder #: 1405364

Dear Mr. Rob Uppencamp

The following report includes the data for the above referenced project for sample(s) received on 5/20/2014 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott

Project Manager

WORK ORDER #: 1405364

Work Order Summary

CLIENT:	Mr. Rob Uppencamp Arcadis U.S., Inc. 132 East Washington St., Suite 600 Indianapolis, IN 46204	BILL TO:	Accounts Payable Arcadis U.S., Inc. 630 Plaza Drive Suite 600 Highlands Ranch, CO 80129
PHONE:	317-231-6500	P.O. #	IN000884.2014.00006
FAX:	317-231-6514	PROJECT #	IN000884.2014.00006 RACER KOKOMO
DATE RECEIVED:	05/20/2014	CONTACT:	Ausha Scott
DATE COMPLETED:	06/04/2014		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	AMB-1 (051514)	Modified TO-15 SIM	2.2 "Hg	4.8 psi
02A	Lab Blank	Modified TO-15 SIM	NA	NA
03A	CCV	Modified TO-15 SIM	NA	NA
04A	LCS	Modified TO-15 SIM	NA	NA
04AA	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY:



Technical Director

DATE: 06/04/14

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-13-6, UT NELAP CA009332013-4, VA NELAP - 460197, WA NELAP - C935

Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2013, Expiration date: 10/17/2014.

Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified TO-15 SIM
Arcadis U.S., Inc.
Workorder# 1405364

One 6 Liter Summa Canister (SIM Certified) sample was received on May 20, 2014. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	TO-15	ATL Modifications
ICAL %RSD acceptance criteria	$\leq 30\%$ RSD with 2 compounds allowed out to $< 40\%$ RSD	Project specific; default criteria is $\leq 30\%$ RSD with 10% of compounds allowed out to $< 40\%$ RSD
Daily Calibration	$\pm 30\%$ Difference	Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

As per project specific client request the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. The canister used for this project has been certified to the Reporting Limit for the target analytes included in this workorder. Concentrations that are below the level at which the canister was certified may be false positives.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: AMB-1 (051514)

Lab ID#: 1405364-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	0.029	0.0072 J	0.11	0.028 J
Trichloroethene	0.029	0.038	0.15	0.20
Tetrachloroethene	0.029	0.0072 J	0.19	0.049 J
trans-1,2-Dichloroethene	0.14	0.0055 J	0.57	0.022 J



Air Toxics

Client Sample ID: AMB-1 (051514)

Lab ID#: 1405364-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e052709sim	Date of Collection: 5/16/14 10:30:00 AM
Dil. Factor:	1.43	Date of Analysis: 5/27/14 02:48 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.014	Not Detected	0.036	Not Detected
1,1-Dichloroethene	0.014	Not Detected	0.057	Not Detected
cis-1,2-Dichloroethene	0.029	0.0072 J	0.11	0.028 J
Trichloroethene	0.029	0.038	0.15	0.20
Tetrachloroethene	0.029	0.0072 J	0.19	0.049 J
trans-1,2-Dichloroethene	0.14	0.0055 J	0.57	0.022 J

J = Estimated value.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	121	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	106	70-130

Client Sample ID: Lab Blank

Lab ID#: 1405364-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e052708simd	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/27/14 01:56 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
cis-1,2-Dichloroethene	0.020	0.0066 J	0.079	0.026 J
Trichloroethene	0.020	0.0056 J	0.11	0.030 J
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
trans-1,2-Dichloroethene	0.10	0.0052 J	0.40	0.021 J

J = Estimated value.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	119	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	107	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1405364-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e052702sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/27/14 08:59 AM

Compound	%Recovery

Vinyl Chloride	82
1,1-Dichloroethene	77
cis-1,2-Dichloroethene	79
Trichloroethene	85
Tetrachloroethene	98
trans-1,2-Dichloroethene	78

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	121	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	113	70-130

Client Sample ID: LCS

Lab ID#: 1405364-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e052703sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/27/14 09:42 AM

Compound	%Recovery	Method Limits
Vinyl Chloride	96	70-130
1,1-Dichloroethene	98	70-130
cis-1,2-Dichloroethene	102	70-130
Trichloroethene	97	70-130
Tetrachloroethene	107	70-130
trans-1,2-Dichloroethene	77	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	112	70-130

Client Sample ID: LCSD

Lab ID#: 1405364-04AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e052704sim	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 5/27/14 10:27 AM

Compound	%Recovery	Method Limits
Vinyl Chloride	96	70-130
1,1-Dichloroethene	99	70-130
cis-1,2-Dichloroethene	102	70-130
Trichloroethene	96	70-130
Tetrachloroethene	108	70-130
trans-1,2-Dichloroethene	77	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	114	70-130



Air Toxics

Sample Transportation Notice

Releasing signature on the document indicates that sample is being shipped in compliance with all applicable local, state, federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Releasing signature also indicates a agreement to hold harmless, defend and indemnify Air Toxics Limited against any claim, demand, or action of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (300) 467-4322

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FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 1

Project Manager Rob Lippert

Collected by: Printed Name Alonso Hernandez

Company Acadus

Address 132 E. Washington St City Indianapolis State IN Zip 46204

Phone 317-236-6500 Fax 317-236-6574

Project Info:

P.O. # IND020514-0001

Project # IND020514-0001

Project Name Pharm. Research

Turn Around Time:

☒ Normal

☐ Rush

Lab Use Only:

Pressurized by:

Date:

Pressurization Gas:

Canister Pressure/Vacuum

Initial

F. no.

Receipt

Final

Unit

Weight

Volume

Temperature

Humidity

Notes:

Received by: (signature) May Est Date/Time 05/10/14 07:50

Relinquished by: (signature) Alonso Hernandez Date/Time 05/14/14

Relinquished by: (signature) _____ Date/Time _____

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6/9/2014

Mr. Rob Uppencamp
Arcadis U.S., Inc.
132 East Washington St., Suite 600

Indianapolis IN 46204

Project Name: Racer-Former GM Delco
Project #: IN000884.2014.00006
Workorder #: 1405452

Dear Mr. Rob Uppencamp

The following report includes the data for the above referenced project for sample(s) received on 5/23/2014 at Air Toxics Ltd.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott
Project Manager

WORK ORDER #: 1405452

Work Order Summary

CLIENT: Mr. Rob Uppencamp Arcadis U.S., Inc. 132 East Washington St., Suite 600 Indianapolis, IN 46204 PHONE: 317-231-6500 FAX: 317-231-6514 DATE RECEIVED: 05/23/2014 DATE COMPLETED: 06/09/2014	BILL TO: Accounts Payable Arcadis U.S., Inc. 630 Plaza Drive Suite 600 Highlands Ranch, CO 80129 P.O. # IN000884.2014.00006 PROJECT # IN000884.2014.00006 Racer-Former CONTACT: GM, Delco Ausha Scott

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SGP-0710 (052014)	TO-15	3.1 "Hg	14.8 psi
02A	DUP-01 (052014)	TO-15	3.9 "Hg	15 psi
03A	SGP-0709 (052014)	TO-15	4.3 "Hg	14.4 psi
04A	SGP-0705 (052014)	TO-15	4.5 "Hg	15.2 psi
05A	SGP-1301-S (052014)	TO-15	5.5 "Hg	15.2 psi
06A	SGP-1403-S (052014)	TO-15	16.3 "Hg	15.5 psi
07A	SGP-1403-D (052014)	TO-15	20.2 "Hg	14.7 psi
08A	SGP-0711 (052014)	TO-15	4.5 "Hg	15 psi
09A	SGP-1303 (052014)	TO-15	7.1 "Hg	14.7 psi
10A	SGP-1401-S (052014)	TO-15	9.2 "Hg	15.5 psi
11A	SGP-1401-M (052014)	TO-15	8.8 "Hg	15 psi
12A	SGP-1401-D (052014)	TO-15	9.6 "Hg	15.1 psi
13A	SGP-1404-S (052014)	TO-15	9.2 "Hg	14.7 psi
14A	SGP-1404-M (052014)	TO-15	6.9 "Hg	14.8 psi
15A	SGP-1405-S (052014)	TO-15	14.3 "Hg	15.1 psi
16A	SGP-1405-M (052014)	TO-15	10.2 "Hg	15.5 psi
17A	SGP-1406-S (052014)	TO-15	6.7 "Hg	15.3 psi
18A	SGP-1406-M (052014)	TO-15	18.4 "Hg	15.5 psi
19A	SGP-1406-D (052014)	TO-15	20.8 "Hg	15.6 psi
20A	Lab Blank	TO-15	NA	NA
21A	CCV	TO-15	NA	NA
22A	LCS	TO-15	NA	NA
22AA	LCSD	TO-15	NA	NA

CERTIFIED BY:



Technical Director

DATE: 06/09/14

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-13-6, UT NELAP CA009332013-4, VA NELAP - 460197, WA NELAP - C935

Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)

Accreditation number: CA300005, Effective date: 10/18/2013, Expiration date: 10/17/2014.

Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
EPA Method TO-15
Arcadis U.S., Inc.
Workorder# 1405452

Fifteen 1 Liter Summa Canister and four 1 Liter Summa Canister (100% Certified) samples were received on May 23, 2014. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

Samples SGP-1403-S (052014), SGP-1403-D (052014), SGP-1406-M (052014) and SGP-1406-D (052014) were received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

Analytical Notes

As per client project requirements, the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified (0.2 ppbv for compounds reported at 0.5 ppbv and 0.8 ppbv for compounds reported at 2.0 ppbv) may be false positives.

Dilution was performed on samples SGP-1301-S (052014), SGP-1403-S (052014), SGP-1401-S (052014) and SGP-1405-S (052014) due to the presence of high level target species.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Summary of Detected Compounds EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SGP-0710 (052014)

Lab ID#: 1405452-01A

No Detections Were Found.

Client Sample ID: DUP-01 (052014)

Lab ID#: 1405452-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	1.2	0.34 J	7.9	2.3 J

Client Sample ID: SGP-0709 (052014)

Lab ID#: 1405452-03A

No Detections Were Found.

Client Sample ID: SGP-0705 (052014)

Lab ID#: 1405452-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	1.2	0.49 J	6.4	2.6 J

Client Sample ID: SGP-1301-S (052014)

Lab ID#: 1405452-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	1.7	480	8.9	2600
Tetrachloroethene	1.7	19	11	130

Client Sample ID: SGP-1403-S (052014)

Lab ID#: 1405452-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	4.5	2.3 J	24	13 J
Tetrachloroethene	4.5	1100	30	7800

Summary of Detected Compounds EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SGP-1403-D (052014)

Lab ID#: 1405452-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	3.1	2.3 J	16	12 J
Tetrachloroethene	3.1	250	21	1700

Client Sample ID: SGP-0711 (052014)

Lab ID#: 1405452-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	1.2	0.46 J	6.4	2.4 J
Tetrachloroethene	1.2	0.28 J	8.1	1.9 J

Client Sample ID: SGP-1303 (052014)

Lab ID#: 1405452-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	1.3	0.81 J	8.9	5.5 J

Client Sample ID: SGP-1401-S (052014)

Lab ID#: 1405452-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	7.4	5.9 J	40	32 J
Tetrachloroethene	7.4	2100	50	14000

Client Sample ID: SGP-1401-M (052014)

Lab ID#: 1405452-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.4	1.1 J	3.6	2.8 J
cis-1,2-Dichloroethene	1.4	2.0	5.7	8.0
Trichloroethene	1.4	1.8	7.7	9.7
Tetrachloroethene	1.4	55	9.7	380

Summary of Detected Compounds EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SGP-1401-D (052014)

Lab ID#: 1405452-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.5	1.2 J	3.8	3.2 J
Tetrachloroethene	1.5	0.94 J	10	6.4 J

Client Sample ID: SGP-1404-S (052014)

Lab ID#: 1405452-13A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	1.4	2.1	7.7	11
Tetrachloroethene	1.4	170	9.8	1100

Client Sample ID: SGP-1404-M (052014)

Lab ID#: 1405452-14A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	1.3	250	8.8	1700

Client Sample ID: SGP-1405-S (052014)

Lab ID#: 1405452-15A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	3.9	1.9 J	21	10 J
Tetrachloroethene	3.9	1200	26	8400

Client Sample ID: SGP-1405-M (052014)

Lab ID#: 1405452-16A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Tetrachloroethene	1.6	100	10	690

Client Sample ID: SGP-1406-S (052014)

Lab ID#: 1405452-17A

Summary of Detected Compounds EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SGP-1406-S (052014)

Lab ID#: 1405452-17A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	1.3	0.90 J	7.1	4.8 J
Tetrachloroethene	1.3	30	8.9	200

Client Sample ID: SGP-1406-M (052014)

Lab ID#: 1405452-18A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	2.6	1.6 J	14	8.8 J
Tetrachloroethene	2.6	120	18	820

Client Sample ID: SGP-1406-D (052014)

Lab ID#: 1405452-19A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	3.4	1.4 J	18	7.7 J
Tetrachloroethene	3.4	54	23	360



Air Toxics

Client Sample ID: SGP-0710 (052014)

Lab ID#: 1405452-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060309	Date of Collection:	5/20/14 10:36:00 AM
Dil. Factor:	2.24	Date of Analysis:	6/3/14 11:42 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.1	Not Detected	2.9	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Trichloroethene	1.1	Not Detected	6.0	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Tetrachloroethene	1.1	Not Detected	7.6	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	104	70-130

Client Sample ID: DUP-01 (052014)

Lab ID#: 1405452-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060317	Date of Collection:	5/20/14
Dil. Factor:	2.32	Date of Analysis:	6/3/14 03:43 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Trichloroethene	1.2	Not Detected	6.2	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Tetrachloroethene	1.2	0.34 J	7.9	2.3 J

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: SGP-0709 (052014)

Lab ID#: 1405452-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060311	Date of Collection: 5/20/14 10:56:00 AM
Dil. Factor:	2.31	Date of Analysis: 6/3/14 12:25 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Trichloroethene	1.2	Not Detected	6.2	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Tetrachloroethene	1.2	Not Detected	7.8	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	111	70-130



Air Toxics

Client Sample ID: SGP-0705 (052014)

Lab ID#: 1405452-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060312	Date of Collection:	5/20/14 11:25:00 AM
Dil. Factor:	2.39	Date of Analysis:	6/3/14 12:47 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Trichloroethene	1.2	0.49 J	6.4	2.6 J
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Tetrachloroethene	1.2	Not Detected	8.1	Not Detected

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	100	70-130



Air Toxics

Client Sample ID: SGP-1301-S (052014)

Lab ID#: 1405452-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060313	Date of Collection:	5/20/14 12:20:00 PM
Dil. Factor:	3.32	Date of Analysis:	6/3/14 01:09 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.7	Not Detected	4.2	Not Detected
1,1-Dichloroethene	1.7	Not Detected	6.6	Not Detected
cis-1,2-Dichloroethene	1.7	Not Detected	6.6	Not Detected
Trichloroethene	1.7	480	8.9	2600
trans-1,2-Dichloroethene	1.7	Not Detected	6.6	Not Detected
Tetrachloroethene	1.7	19	11	130

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	95	70-130



Air Toxics

Client Sample ID: SGP-1403-S (052014)

Lab ID#: 1405452-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060318	Date of Collection: 5/20/14 1:58:00 PM
Dil. Factor:	9.00	Date of Analysis: 6/3/14 04:04 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	4.5	Not Detected	12	Not Detected
1,1-Dichloroethene	4.5	Not Detected	18	Not Detected
cis-1,2-Dichloroethene	4.5	Not Detected	18	Not Detected
Trichloroethene	4.5	2.3 J	24	13 J
trans-1,2-Dichloroethene	4.5	Not Detected	18	Not Detected
Tetrachloroethene	4.5	1100	30	7800

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	100	70-130

Client Sample ID: SGP-1403-D (052014)

Lab ID#: 1405452-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060315	Date of Collection:	5/20/14 2:09:00 PM
Dil. Factor:	6.12	Date of Analysis:	6/3/14 01:53 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.1	Not Detected	7.8	Not Detected
1,1-Dichloroethene	3.1	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	3.1	Not Detected	12	Not Detected
Trichloroethene	3.1	2.3 J	16	12 J
trans-1,2-Dichloroethene	3.1	Not Detected	12	Not Detected
Tetrachloroethene	3.1	250	21	1700

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	99	70-130



Air Toxics

Client Sample ID: SGP-0711 (052014)

Lab ID#: 1405452-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060316	Date of Collection:	5/20/14 3:18:00 PM
Dil. Factor:	2.38	Date of Analysis:	6/3/14 02:15 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Trichloroethene	1.2	0.46 J	6.4	2.4 J
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Tetrachloroethene	1.2	0.28 J	8.1	1.9 J

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	94	70-130

Client Sample ID: SGP-1303 (052014)

Lab ID#: 1405452-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060319	Date of Collection:	5/20/14 3:25:00 PM
Dil. Factor:	2.62	Date of Analysis:	6/3/14 05:42 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.3	Not Detected	3.3	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.2	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Trichloroethene	1.3	Not Detected	7.0	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Tetrachloroethene	1.3	0.81 J	8.9	5.5 J

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	103	70-130



Air Toxics

Client Sample ID: SGP-1401-S (052014)

Lab ID#: 1405452-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060320	Date of Collection:	5/20/14 9:05:00 AM
Dil. Factor:	14.8	Date of Analysis:	6/3/14 06:03 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	7.4	Not Detected	19	Not Detected
1,1-Dichloroethene	7.4	Not Detected	29	Not Detected
cis-1,2-Dichloroethene	7.4	Not Detected	29	Not Detected
Trichloroethene	7.4	5.9 J	40	32 J
trans-1,2-Dichloroethene	7.4	Not Detected	29	Not Detected
Tetrachloroethene	7.4	2100	50	14000

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	100	70-130



Air Toxics

Client Sample ID: SGP-1401-M (052014)

Lab ID#: 1405452-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060321	Date of Collection:	5/20/14 9:41:00 AM
Dil. Factor:	2.86	Date of Analysis:	6/3/14 06:26 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.4	1.1 J	3.6	2.8 J
1,1-Dichloroethene	1.4	Not Detected	5.7	Not Detected
cis-1,2-Dichloroethene	1.4	2.0	5.7	8.0
Trichloroethene	1.4	1.8	7.7	9.7
trans-1,2-Dichloroethene	1.4	Not Detected	5.7	Not Detected
Tetrachloroethene	1.4	55	9.7	380

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	104	70-130



Air Toxics

Client Sample ID: SGP-1401-D (052014)

Lab ID#: 1405452-12A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060322	Date of Collection:	5/20/14 10:22:00 AM
Dil. Factor:	2.98	Date of Analysis:	6/3/14 06:48 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.5	1.2 J	3.8	3.2 J
1,1-Dichloroethene	1.5	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	1.5	Not Detected	5.9	Not Detected
Trichloroethene	1.5	Not Detected	8.0	Not Detected
trans-1,2-Dichloroethene	1.5	Not Detected	5.9	Not Detected
Tetrachloroethene	1.5	0.94 J	10	6.4 J

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	93	70-130



Air Toxics

Client Sample ID: SGP-1404-S (052014)

Lab ID#: 1405452-13A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060323	Date of Collection:	5/20/14 11:37:00 AM
Dil. Factor:	2.88	Date of Analysis:	6/3/14 07:10 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.4	Not Detected	3.7	Not Detected
1,1-Dichloroethene	1.4	Not Detected	5.7	Not Detected
cis-1,2-Dichloroethene	1.4	Not Detected	5.7	Not Detected
Trichloroethene	1.4	2.1	7.7	11
trans-1,2-Dichloroethene	1.4	Not Detected	5.7	Not Detected
Tetrachloroethene	1.4	170	9.8	1100

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: SGP-1404-M (052014)

Lab ID#: 1405452-14A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060324	Date of Collection:	5/20/14 12:09:00 PM
Dil. Factor:	2.61	Date of Analysis:	6/3/14 07:31 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.3	Not Detected	3.3	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.2	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Trichloroethene	1.3	Not Detected	7.0	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Tetrachloroethene	1.3	250	8.8	1700

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	99	70-130



Air Toxics

Client Sample ID: SGP-1405-S (052014)

Lab ID#: 1405452-15A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060330	Date of Collection:	5/20/14 12:40:00 PM
Dil. Factor:	7.75	Date of Analysis:	6/3/14 09:56 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.9	Not Detected	9.9	Not Detected
1,1-Dichloroethene	3.9	Not Detected	15	Not Detected
cis-1,2-Dichloroethene	3.9	Not Detected	15	Not Detected
Trichloroethene	3.9	1.9 J	21	10 J
trans-1,2-Dichloroethene	3.9	Not Detected	15	Not Detected
Tetrachloroethene	3.9	1200	26	8400

J = Estimated value.

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	108	70-130



Air Toxics

Client Sample ID: SGP-1405-M (052014)

Lab ID#: 1405452-16A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060331	Date of Collection:	5/20/14 1:17:00 PM
Dil. Factor:	3.11	Date of Analysis:	6/3/14 10:17 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.6	Not Detected	4.0	Not Detected
1,1-Dichloroethene	1.6	Not Detected	6.2	Not Detected
cis-1,2-Dichloroethene	1.6	Not Detected	6.2	Not Detected
Trichloroethene	1.6	Not Detected	8.4	Not Detected
trans-1,2-Dichloroethene	1.6	Not Detected	6.2	Not Detected
Tetrachloroethene	1.6	100	10	690

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: SGP-1406-S (052014)

Lab ID#: 1405452-17A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060327	Date of Collection:	5/20/14 1:48:00 PM
Dil. Factor:	2.63	Date of Analysis:	6/3/14 08:37 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.3	Not Detected	3.4	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.2	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Trichloroethene	1.3	0.90 J	7.1	4.8 J
trans-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Tetrachloroethene	1.3	30	8.9	200

J = Estimated value.

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	98	70-130



Air Toxics

Client Sample ID: SGP-1406-M (052014)

Lab ID#: 1405452-18A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060328	Date of Collection:	5/20/14 2:20:00 PM
Dil. Factor:	5.31	Date of Analysis:	6/3/14 08:58 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	2.6	Not Detected	6.8	Not Detected
1,1-Dichloroethene	2.6	Not Detected	10	Not Detected
cis-1,2-Dichloroethene	2.6	Not Detected	10	Not Detected
Trichloroethene	2.6	1.6 J	14	8.8 J
trans-1,2-Dichloroethene	2.6	Not Detected	10	Not Detected
Tetrachloroethene	2.6	120	18	820

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	98	70-130



Air Toxics

Client Sample ID: SGP-1406-D (052014)

Lab ID#: 1405452-19A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060329	Date of Collection:	5/20/14 2:52:00 PM
Dil. Factor:	6.72	Date of Analysis:	6/3/14 09:20 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.4	Not Detected	8.6	Not Detected
1,1-Dichloroethene	3.4	Not Detected	13	Not Detected
cis-1,2-Dichloroethene	3.4	Not Detected	13	Not Detected
Trichloroethene	3.4	1.4 J	18	7.7 J
trans-1,2-Dichloroethene	3.4	Not Detected	13	Not Detected
Tetrachloroethene	3.4	54	23	360

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	97	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1405452-20A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060308	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/3/14 11:02 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: CCV

Lab ID#: 1405452-21A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060302	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/3/14 08:19 AM

Compound	%Recovery

Vinyl Chloride	104
1,1-Dichloroethene	90
cis-1,2-Dichloroethene	96
Trichloroethene	97
trans-1,2-Dichloroethene	96
Tetrachloroethene	91

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	105	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1405452-22A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: 17060305

Date of Collection: NA

Dil. Factor: 1.00

Date of Analysis: 6/3/14 09:33 AM

Compound	%Recovery	Method Limits
Vinyl Chloride	117	70-130
1,1-Dichloroethene	116	70-130
cis-1,2-Dichloroethene	118	70-130
Trichloroethene	104	70-130
trans-1,2-Dichloroethene	93	70-130
Tetrachloroethene	99	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	102	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1405452-22AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name: 17060306

Date of Collection: NA

Dil. Factor: 1.00

Date of Analysis: 6/3/14 09:54 AM

Compound	%Recovery	Method Limits
Vinyl Chloride	116	70-130
1,1-Dichloroethene	115	70-130
cis-1,2-Dichloroethene	118	70-130
Trichloroethene	103	70-130
trans-1,2-Dichloroethene	91	70-130
Tetrachloroethene	98	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	103	70-130



Air Toxics

Sample Transportation Notice

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FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 2

Project Manager Bob Wynn

Collected by: (Print and Sign) Mike Purkin

Company ARCADIS

Address 152 E. Washington St., Ste 200

Phone 317-231-6500

Email Bob Wynn

State IN zip 46204

Fax 317-231-6514

Project Info:

P.O. # 11000854.2014.0000

Project # 11000854.2014.0000

Project Name Rural - Fossil Fuel

Turn Around

Time: ☒ Normal ☐ Rush

Lab Use Only

Pressurized by:

Date:

Pressurization Gas:

specify N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum
						Initial Final Receipt Final (psi)
01A	568-0710 (052014)	34150	5-20-14	1014-1036	TO-15, project list	28 3
02A	568-01 (052014)	35655				30 4
03A	568-0709 (052014)	36400		1038-1056		285 4.5
04A	568-0705 (052014)	35620		1106-1125		30 4.5
05A	568-1301-5 (052014)	36431		1200-1220		30 5
06A	568-1403-5 (052014)	37771		1305-1358		30 16.5
07A	568-1403-0 (052014)	34114		1325-1409		30 20.5
08A	568-0711 (052014)	33723		1456-1518		30 4.5
09A	568-1303 (052014)	37356	5-20-14	1510-1525	TO-15, project list	2425.75
Notes:						
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time			
<u>[Signature]</u>	5-20-14/1100	<u>[Signature]</u>	5-20-14/1100			
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time			
<u>[Signature]</u>	5-20-14/1000	<u>[Signature]</u>	5-22-14/1000			
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time			

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	<u>Folsom</u>		<u>14</u>	<u>Good</u>	☒ Yes ☐ No ☐ None	<u>1405452</u>



Air Toxics

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FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 2

Project Manager

Rob Winters

Collected by: (Print and Sign)

James Williams

Company

ARPAIS

Email Rob.winters@arpa.com

Address 132 E. Washington City

IN State IN Zip 46204

Phone 317-231-6550

Fax 317-231-6574

Project Info:

P.O. # IN000884, 2014, 00056

Project # IN000884, 2014, 00056

Project Name Farmers 6th Field Plot 5

Turn Around Time:

☒ Normal

☐ Rush

Lab Use Only
Pressurized by:

Date:

Pressurization Gas:

specify N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (ps)
10A	SGP-1401-S(052014)	37352	5-20-14	0830-0905	TO-15, PMACT-LEST	29.25	9.0		
11A	SGP-1401-M(052014)	36534	"	0909-0941	"	29.25	8.75		
12A	SGP-1401-D(052014)	36459	"	0943-1022	"	29.50	9.25		
13A	SGP-1404-S(052014)	37738	"	1106-1137	"	29.25	7.0		
14A	SGP-1404-M(052014)	37352	"	1135-1209	"	29.0	8.75		
15A	SGP-1405-S(052014)	37428	"	1210-1240	"	29.0	9.0		
16A	SGP-1405-M(052014)	37671	"	1247-1317	"	29.50	9.0		
17A	SGP-1406-S(052014)	37661	"	1334-1348	"	29.0	5.75		
18A	SGP-1406-M(052014)	37800	"	1349-1420	"	29.25	18.0		
19A	SGP-1406-D(052014)	37345	"	1422-1452	"	29.50	19.75		
Relinquished by: (signature) <u>James Williams</u>		Date/Time	Received by: (signature) <u>Rob Winters</u>	Date/Time	Notes:				
Relinquished by: (signature)		Date/Time	Received by: (signature)	Date/Time					
Relinquished by: (signature)		Date/Time	Received by: (signature)	Date/Time					
Relinquished by: (signature)		Date/Time	Received by: (signature)	Date/Time					
Lab Shipper Name		Air Bill #		Temp (°C)	Condition	Custody Seals Intact?		Work Order #	
Use Only						Yes No None			
<u>Cellar</u>				<u>NA</u>	<u>Good</u>	☒ Yes ☐ No ☐ None		<u>1405452</u>	

**RACER Trust
Former GM Delco Plant 5**

Data Review

KOKOMO, INDIANA

Volatile Organic Compounds (TO-15) Analyses

SDGs #1405363A, 1405363B, and 1405364

Analyses Performed By:
Eurofins
Folsom, California

Report #21537R
Review Level: Tier II
Project: IN000884.2014.00007

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Groups (SDGs) #1405363A, 1405363B, and 1405364 for samples collected in association with the RACER Trust site in Kokomo, Indiana. The review was conducted as a Tier II evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

SDG	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis		
						VOC	Metal	Misc.
1405363A	CS-4-2 (051514)	1405363A-02A	Air	05/16/2014		X		
	IA-4-2 (051514)	1405363A-01A	Air	05/16/2014		X		
1405363B	SS-4-2 (051614)	1405363B-03A	Air	05/16/2014		X		
1405364	AMB-1 (051514)	1405364-01A	Air	05/16/2014		X		

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

QA - Quality Assurance

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) Method TO-15. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
 - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
 - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
 - UB Compound considered non-detect at the listed value due to associated blank contamination.
 - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
 - R The sample results are rejected as unusable. The compound may or may not be present in the sample.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is

that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation	Return Canister Pressure
EPA TO-15	Air	30 days from collection to analysis	Ambient Temperature	< -1" Hg

All samples were analyzed within the specified holding time criteria and all canister return pressure/vacuum criteria were met.

2. Blank Contamination

Quality assurance (QA) blanks (i.e. laboratory method blanks and field blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field blanks also measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the reporting limit (RL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B) of data. Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample Locations	Analytes	Sample Result	Qualification
CS-4-2 (051514) (1405363A) IA-4-2 (051514) (1405363A) AMB-1 (051514) (1405364)	trans-1,2-Dichloroethene	Detected sample results <RL and <BAL	"UB" at the RL
AMB-1 (051514) (1405364)	cis-1,2-Dichloroethene		

RL Reporting limit

3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

4. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The spiked compounds used in the LCS/LCSD analysis must exhibit recoveries within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries within the control limits.

5. Field Duplicate Sample Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for air matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for air matrices.

The field duplicate analysis was not performed on a sample location within this SDG.

6. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: USEPA TO-15	Reported		Performance Acceptable		Not Required	
	No	Yes	No	Yes		
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)						
Tier II Validation						
Canister return pressure (<-1"Hg)		X		X		
Holding times		X		X		
Reporting limits (units)		X		X		
Blanks						
A. Method blanks		X	X			
B. Equipment/Field blanks					X	
C. Trip blanks					X	
Matrix Spike (MS) %R					X	
Matrix Spike Duplicate (MSD) %R					X	
MS/MSD Precision RPD					X	
Laboratory Control Sample (LCS) Accuracy (%R)		X		X		
Laboratory Control Sample Duplicate (LCSD) %R		X		X		
LCS/LCSD Precision (RPD)		X		X		
Field/Laboratory Duplicate Sample RPD		X		X		
Surrogate Spike %R		X		X		
Dilution Factor		X		X		

%R Percent recovery

RPD Relative percent difference

Validation Performed By: Todd Church

Signature: 

Date: June 13, 2014

Peer Review: Joseph C. Houser

Date: June 13, 2014

**CHAIN OF CUSTODY /
CORRECTED SAMPLE ANALYSIS DATA SHEETS**

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



Air Toxics

Client Sample ID: IA-4-2 (051514)

Lab ID#: 1405363A-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e052812sim	Date of Collection: 5/16/14 11:09:00 AM
Dil. Factor:	1.64	Date of Analysis: 5/28/14 05:26 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.018	0.042	0.047
1,1-Dichloroethene	0.016	Not Detected	0.065	Not Detected
cis-1,2-Dichloroethene	0.033	0.23	0.13	0.91
Trichloroethene	0.033	0.55	0.18	2.9
Tetrachloroethene	0.033	0.26	0.22	1.8
trans-1,2-Dichloroethene	0.16	~~0.032 J~~ UB	0.65	~~0.13 J~~ UB

J = Estimated value.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	106	70-130



Air Toxics

Client Sample ID: CS-4-2 (051514)

Lab ID#: 1405363A-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e052813sim	Date of Collection: 5/16/14 11:10:00 AM
Dil. Factor:	1.58	Date of Analysis: 5/28/14 06:25 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	0.010 J	0.040	0.026 J
1,1-Dichloroethene	0.016	Not Detected	0.063	Not Detected
cis-1,2-Dichloroethene	0.032	0.092	0.12	0.36
Trichloroethene	0.032	0.27	0.17	1.4
Tetrachloroethene	0.032	0.13	0.21	0.88
trans-1,2-Dichloroethene	0.16	~~0.014 J~~ UB	0.63	~~0.055 J~~ UB

J = Estimated value.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	105	70-130

LABORATORY NARRATIVE
EPA Method TO-15
Arcadis U.S., Inc.
Workorder# 1405363B

One 1 Liter Summa Canister sample was received on May 20, 2014. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

As per client project requirements, the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified (0.2 ppbv for compounds reported at 0.5 ppbv) may be false positives.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



Air Toxics

Client Sample ID: SS-4-2 (051614)

Lab ID#: 1405363B-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	3053021	Date of Collection: 5/16/14 11:32:00 AM
Dil. Factor:	2.42	Date of Analysis: 5/30/14 09:48 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.8	Not Detected
cis-1,2-Dichloroethene	1.2	0.65 J	4.8	2.6 J
Trichloroethene	1.2	1.1 J	6.5	5.7 J
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Tetrachloroethene	1.2	0.59 J	8.2	4.0 J

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	101	70-130

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



Air Toxics

Client Sample ID: AMB-1 (051514)

Lab ID#: 1405364-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	e052709sim	Date of Collection: 5/16/14 10:30:00 AM
Dil. Factor:	1.43	Date of Analysis: 5/27/14 02:48 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.014	Not Detected	0.036	Not Detected
1,1-Dichloroethene	0.014	Not Detected	0.057	Not Detected
cis-1,2-Dichloroethene	0.029	~~0.0072 J~~ UB	0.11	~~0.028 J~~ UB
Trichloroethene	0.029	0.038	0.15	0.20
Tetrachloroethene	0.029	0.0072 J	0.19	0.049 J
trans-1,2-Dichloroethene	0.14	~~0.0055 J~~ UB	0.57	~~0.022 J~~ UB

J = Estimated value.

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	121	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	106	70-130

**RACER Trust
Former GM Delco Plant 5**

Data Review

KOKOMO, INDIANA

Volatile Organic Compounds (TO-15) Analyses

SDG #1405452

Analyses Performed By:
Eurofins
Folsom, California

Report #21900R
Review Level: Tier II
Project: IN000884.2014.00007

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) #1405452 for samples collected in association with the RACER Trust site in Kokomo, Indiana. The review was conducted as a Tier II evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

SDG	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis		
						VOC	Metal	Misc.
1405452	SGP-0710 (052014)	1405452-01A	Air	05/20/2014		X		
	DUP-01 (052014)	1405452-02A	Air	05/20/2014	SGP-0710 (052014)	X		
	SGP-0709 (052014)	1405452-03A	Air	05/20/2014		X		
	SGP-0705 (052014)	1405452-04A	Air	05/20/2014		X		
	SGP-1301-S (052014)	1405452-05A	Air	05/20/2014		X		
	SGP-1403-S (052014)	1405452-06A	Air	05/20/2014		X		
	SGP-1403-D (052014)	1405452-07A	Air	05/20/2014		X		
	SGP-0711 (052014)	1405452-08A	Air	05/20/2014		X		
	SGP-1303 (052014)	1405452-09A	Air	05/20/2014		X		
	SGP-1401-S (052014)	1405452-10A	Air	05/20/2014		X		
	SGP-1401-M (052014)	1405452-11A	Air	05/20/2014		X		
	SGP-1401-D (052014)	1405452-12A	Air	05/20/2014		X		
	SGP-1404-S (052014)	1405452-13A	Air	05/20/2014		X		
	SGP-1404-M (052014)	1405452-14A	Air	05/20/2014		X		
	SGP-1405-S (052014)	1405452-15A	Air	05/20/2014		X		
	SGP-1405-M (052014)	1405452-16A	Air	05/20/2014		X		
	SGP-1406-S (052014)	1405452-17A	Air	05/20/2014		X		
	SGP-1406-M (052014)	1405452-18A	Air	05/20/2014		X		
	SGP-1406-D (052014)	1405452-19A	Air	05/20/2014		X		

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

QA - Quality Assurance

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) Method TO-15. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers
 - U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
 - B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- Quantitation (Q) Qualifiers
 - E The compound was quantitated above the calibration range.
 - D Concentration is based on a diluted sample analysis.
- Validation Qualifiers
 - J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
 - UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
 - JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
 - UB Compound considered non-detect at the listed value due to associated blank contamination.
 - N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
 - R The sample results are rejected as unusable. The compound may or may not be present in the sample.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is

that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation	Return Canister Pressure
EPA TO-15	Air	30 days from collection to analysis	Ambient Temperature	< -1" Hg

All samples were analyzed within the specified holding time criteria and all canister return pressure/vacuum criteria were met.

2. Blank Contamination

Quality assurance (QA) blanks (i.e. laboratory method blanks and field blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field blanks also measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the reporting limit (RL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore detected sample results were not associated with blank contamination.

3. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

4. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The spiked compounds used in the LCS/LCSD analysis must exhibit recoveries within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibited recoveries within the control limits.

5. Field Duplicate Sample Analysis

Field duplicate analysis is used to assess the overall precision of the field sampling procedures and analytical method. A control limit of 50% for air matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations

are less than or equal to 5 times the RL, a control limit of three times the RL is applied for air matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/ Duplicate ID	Compound	Sample Result ug/m ³	Duplicate Result ug/m ³	RPD
SGP-0710 (052014)/ DUP-01 (052014)	Tetrachloroethene	7.6 U	2.3 J	AC

AC Acceptable

The calculated RPDs between the parent sample and field duplicate were acceptable.

6. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: USEPA TO-15	Reported		Performance Acceptable		Not Required	
	No	Yes	No	Yes		
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)						
Tier II Validation						
Canister return pressure (<-1"Hg)		X		X		
Holding times		X		X		
Reporting limits (units)		X		X		
Blanks						
A. Method blanks		X		X		
B. Equipment/Field blanks					X	
C. Trip blanks					X	
Matrix Spike (MS) %R					X	
Matrix Spike Duplicate (MSD) %R					X	
MS/MSD Precision RPD					X	
Laboratory Control Sample (LCS) Accuracy (%R)		X		X		
Laboratory Control Sample Duplicate (LCSD) %R		X		X		
LCS/LCSD Precision (RPD)		X		X		
Field/Laboratory Duplicate Sample RPD		X		X		
Surrogate Spike %R		X		X		
Dilution Factor		X		X		

%R Percent recovery
 RPD Relative percent difference

Validation Performed By: Todd Church

Signature: 

Date: June 20, 2014

Peer Review: Joseph C. Houser

Date: June 20, 2014

**CHAIN OF CUSTODY /
CORRECTED SAMPLE ANALYSIS DATA SHEETS**



Air Toxics

Sample Transportation Notice

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FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 2

Project Manager

Bob Wynn

Collected by: (Print and Sign)

Mike Smith

Company

ARCADIS

Email

Bob Wynn

Address

152 E. Washington St, Ste 100, Indianapolis, IN 46204

Phone

317-231-6500

Fax

317-231-6514

Project Info:

P.O. #

110000854.2014.00000

Project #

110000854.2014.00000

Project Name

Rural - Fossil Fuel

Turn Around Time:

Normal

☒ Normal

☐ Rush

Lab Use Only

Pressurized by:

Date:

Pressurization Gas:

N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum
						Initial Final (psi)
01A	568-0710 (052014)	34150	5-20-14	1014-1036	TO-15, project list	28 3
02A	568-01 (052014)	35655				30 4
03A	568-0709 (052014)	36400		1038-1056		285 4.5
04A	568-0705 (052014)	35620		1106-1125		30 4.5
05A	568-1301-5 (052014)	36431		1200-1220		30 5
06A	568-1403-5 (052014)	37771		1305-1358		30 16.5
07A	568-1403-0 (052014)	34114		1325-1409		30 20.5
08A	568-0711 (052014)	33723		1456-1518		30 4.5
09A	568-1303 (052014)	37356	5-20-14	1510-1525	TO-15, project list	24255.75
Relinquished by: (signature) Date/Time 5-20-14/1100 Received by: (signature) Date/Time 5-20-14/1100						
Relinquished by: (signature) Date/Time 5-20-14/1000 Received by: (signature) Date/Time 5-22-14/1000						
Relinquished by: (signature) Date/Time Received by: (signature) Date/Time						
Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	1012		14	6003	☒ Yes ☐ No ☐ None	1405452



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Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

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FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 1 of 2

Project Manager

Rob Winters

Collected by: (Print and Sign)

James Williams

Company

ARPAIS

Email Rob.winters@arpa.com

Address 132 E. Washington City

IN State IN Zip 46204

Phone 317-231-6550

Fax 317-231-6574

Project Info:

P.O. # IN000884, 2014, 00056

Project # IN000884, 2014, 00056

Project Name Farmers Union Field Plot 5

Turn Around Time:

☒ Normal

☐ Rush

Lab Use Only

Pressurized by:

Date:

Pressurization Gas:

specify N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt	Final (psf)
10A	SGP-1401-S(052014)	37352	5-20-14	0830-0905	TO-15, PMACT-LEST	29.25	9.0		
11A	SGP-1401-M(052014)	36534	"	0909-0941	"	29.25	8.75		
12A	SGP-1401-D(052014)	36459	"	0943-1022	"	29.50	9.25		
13A	SGP-1404-S(052014)	37738	"	1106-1137	"	29.25	7.0		
14A	SGP-1404-M(052014)	37352	"	1135-1209	"	29.0	8.75		
15A	SGP-1405-S(052014)	37428	"	1210-1240	"	29.0	9.0		
16A	SGP-1405-M(052014)	37671	"	1247-1317	"	29.50	9.0		
17A	SGP-1406-S(052014)	37661	"	1334-1348	"	29.0	5.75		
18A	SGP-1406-M(052014)	37800	"	1349-1420	"	29.25	18.0		
19A	SGP-1406-D(052014)	37345	"	1422-1452	"	29.50	19.75		
Relinquished by: (signature) <u>[Signature]</u> Date/Time <u>5-24-14/0900</u>						Received by: (signature) <u>[Signature]</u> Date/Time <u>5-23-14 1000</u>			
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LABORATORY NARRATIVE
EPA Method TO-15
Arcadis U.S., Inc.
Workorder# 1405452

Fifteen 1 Liter Summa Canister and four 1 Liter Summa Canister (100% Certified) samples were received on May 23, 2014. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

Samples SGP-1403-S (052014), SGP-1403-D (052014), SGP-1406-M (052014) and SGP-1406-D (052014) were received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

Analytical Notes

As per client project requirements, the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified (0.2 ppbv for compounds reported at 0.5 ppbv and 0.8 ppbv for compounds reported at 2.0 ppbv) may be false positives.

Dilution was performed on samples SGP-1301-S (052014), SGP-1403-S (052014), SGP-1401-S (052014) and SGP-1405-S (052014) due to the presence of high level target species.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector



Air Toxics

Client Sample ID: SGP-0710 (052014)

Lab ID#: 1405452-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060309	Date of Collection:	5/20/14 10:36:00 AM
Dil. Factor:	2.24	Date of Analysis:	6/3/14 11:42 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.1	Not Detected	2.9	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Trichloroethene	1.1	Not Detected	6.0	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Tetrachloroethene	1.1	Not Detected	7.6	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	104	70-130

Client Sample ID: DUP-01 (052014)

Lab ID#: 1405452-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060317	Date of Collection:	5/20/14
Dil. Factor:	2.32	Date of Analysis:	6/3/14 03:43 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Trichloroethene	1.2	Not Detected	6.2	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Tetrachloroethene	1.2	0.34 J	7.9	2.3 J

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: SGP-0709 (052014)

Lab ID#: 1405452-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060311	Date of Collection:	5/20/14 10:56:00 AM
Dil. Factor:	2.31	Date of Analysis:	6/3/14 12:25 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Trichloroethene	1.2	Not Detected	6.2	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Tetrachloroethene	1.2	Not Detected	7.8	Not Detected

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	111	70-130



Air Toxics

Client Sample ID: SGP-0705 (052014)

Lab ID#: 1405452-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060312	Date of Collection:	5/20/14 11:25:00 AM
Dil. Factor:	2.39	Date of Analysis:	6/3/14 12:47 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Trichloroethene	1.2	0.49 J	6.4	2.6 J
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Tetrachloroethene	1.2	Not Detected	8.1	Not Detected

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	100	70-130



Air Toxics

Client Sample ID: SGP-1301-S (052014)

Lab ID#: 1405452-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060313	Date of Collection: 5/20/14 12:20:00 PM
Dil. Factor:	3.32	Date of Analysis: 6/3/14 01:09 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.7	Not Detected	4.2	Not Detected
1,1-Dichloroethene	1.7	Not Detected	6.6	Not Detected
cis-1,2-Dichloroethene	1.7	Not Detected	6.6	Not Detected
Trichloroethene	1.7	480	8.9	2600
trans-1,2-Dichloroethene	1.7	Not Detected	6.6	Not Detected
Tetrachloroethene	1.7	19	11	130

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	95	70-130



Air Toxics

Client Sample ID: SGP-1403-S (052014)

Lab ID#: 1405452-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060318	Date of Collection: 5/20/14 1:58:00 PM
Dil. Factor:	9.00	Date of Analysis: 6/3/14 04:04 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	4.5	Not Detected	12	Not Detected
1,1-Dichloroethene	4.5	Not Detected	18	Not Detected
cis-1,2-Dichloroethene	4.5	Not Detected	18	Not Detected
Trichloroethene	4.5	2.3 J	24	13 J
trans-1,2-Dichloroethene	4.5	Not Detected	18	Not Detected
Tetrachloroethene	4.5	1100	30	7800

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	100	70-130



Air Toxics

Client Sample ID: SGP-1403-D (052014)

Lab ID#: 1405452-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060315	Date of Collection:	5/20/14 2:09:00 PM
Dil. Factor:	6.12	Date of Analysis:	6/3/14 01:53 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.1	Not Detected	7.8	Not Detected
1,1-Dichloroethene	3.1	Not Detected	12	Not Detected
cis-1,2-Dichloroethene	3.1	Not Detected	12	Not Detected
Trichloroethene	3.1	2.3 J	16	12 J
trans-1,2-Dichloroethene	3.1	Not Detected	12	Not Detected
Tetrachloroethene	3.1	250	21	1700

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	99	70-130

Client Sample ID: SGP-0711 (052014)

Lab ID#: 1405452-08A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060316	Date of Collection:	5/20/14 3:18:00 PM
Dil. Factor:	2.38	Date of Analysis:	6/3/14 02:15 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Trichloroethene	1.2	0.46 J	6.4	2.4 J
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Tetrachloroethene	1.2	0.28 J	8.1	1.9 J

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	94	70-130

Client Sample ID: SGP-1303 (052014)

Lab ID#: 1405452-09A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060319	Date of Collection:	5/20/14 3:25:00 PM
Dil. Factor:	2.62	Date of Analysis:	6/3/14 05:42 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.3	Not Detected	3.3	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.2	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Trichloroethene	1.3	Not Detected	7.0	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Tetrachloroethene	1.3	0.81 J	8.9	5.5 J

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	103	70-130



Air Toxics

Client Sample ID: SGP-1401-S (052014)

Lab ID#: 1405452-10A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060320	Date of Collection:	5/20/14 9:05:00 AM
Dil. Factor:	14.8	Date of Analysis:	6/3/14 06:03 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	7.4	Not Detected	19	Not Detected
1,1-Dichloroethene	7.4	Not Detected	29	Not Detected
cis-1,2-Dichloroethene	7.4	Not Detected	29	Not Detected
Trichloroethene	7.4	5.9 J	40	32 J
trans-1,2-Dichloroethene	7.4	Not Detected	29	Not Detected
Tetrachloroethene	7.4	2100	50	14000

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	105	70-130
4-Bromofluorobenzene	100	70-130



Air Toxics

Client Sample ID: SGP-1401-M (052014)

Lab ID#: 1405452-11A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060321	Date of Collection:	5/20/14 9:41:00 AM
Dil. Factor:	2.86	Date of Analysis:	6/3/14 06:26 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.4	1.1 J	3.6	2.8 J
1,1-Dichloroethene	1.4	Not Detected	5.7	Not Detected
cis-1,2-Dichloroethene	1.4	2.0	5.7	8.0
Trichloroethene	1.4	1.8	7.7	9.7
trans-1,2-Dichloroethene	1.4	Not Detected	5.7	Not Detected
Tetrachloroethene	1.4	55	9.7	380

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	104	70-130



Air Toxics

Client Sample ID: SGP-1401-D (052014)

Lab ID#: 1405452-12A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060322	Date of Collection:	5/20/14 10:22:00 AM
Dil. Factor:	2.98	Date of Analysis:	6/3/14 06:48 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.5	1.2 J	3.8	3.2 J
1,1-Dichloroethene	1.5	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	1.5	Not Detected	5.9	Not Detected
Trichloroethene	1.5	Not Detected	8.0	Not Detected
trans-1,2-Dichloroethene	1.5	Not Detected	5.9	Not Detected
Tetrachloroethene	1.5	0.94 J	10	6.4 J

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	93	70-130



Air Toxics

Client Sample ID: SGP-1404-S (052014)

Lab ID#: 1405452-13A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060323	Date of Collection:	5/20/14 11:37:00 AM
Dil. Factor:	2.88	Date of Analysis:	6/3/14 07:10 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.4	Not Detected	3.7	Not Detected
1,1-Dichloroethene	1.4	Not Detected	5.7	Not Detected
cis-1,2-Dichloroethene	1.4	Not Detected	5.7	Not Detected
Trichloroethene	1.4	2.1	7.7	11
trans-1,2-Dichloroethene	1.4	Not Detected	5.7	Not Detected
Tetrachloroethene	1.4	170	9.8	1100

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: SGP-1404-M (052014)

Lab ID#: 1405452-14A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060324	Date of Collection:	5/20/14 12:09:00 PM
Dil. Factor:	2.61	Date of Analysis:	6/3/14 07:31 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.3	Not Detected	3.3	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.2	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Trichloroethene	1.3	Not Detected	7.0	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Tetrachloroethene	1.3	250	8.8	1700

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	99	70-130



Air Toxics

Client Sample ID: SGP-1405-S (052014)

Lab ID#: 1405452-15A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060330	Date of Collection: 5/20/14 12:40:00 PM
Dil. Factor:	7.75	Date of Analysis: 6/3/14 09:56 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.9	Not Detected	9.9	Not Detected
1,1-Dichloroethene	3.9	Not Detected	15	Not Detected
cis-1,2-Dichloroethene	3.9	Not Detected	15	Not Detected
Trichloroethene	3.9	1.9 J	21	10 J
trans-1,2-Dichloroethene	3.9	Not Detected	15	Not Detected
Tetrachloroethene	3.9	1200	26	8400

J = Estimated value.

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	108	70-130



Air Toxics

Client Sample ID: SGP-1405-M (052014)

Lab ID#: 1405452-16A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060331	Date of Collection:	5/20/14 1:17:00 PM
Dil. Factor:	3.11	Date of Analysis:	6/3/14 10:17 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.6	Not Detected	4.0	Not Detected
1,1-Dichloroethene	1.6	Not Detected	6.2	Not Detected
cis-1,2-Dichloroethene	1.6	Not Detected	6.2	Not Detected
Trichloroethene	1.6	Not Detected	8.4	Not Detected
trans-1,2-Dichloroethene	1.6	Not Detected	6.2	Not Detected
Tetrachloroethene	1.6	100	10	690

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	96	70-130



Air Toxics

Client Sample ID: SGP-1406-S (052014)

Lab ID#: 1405452-17A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060327	Date of Collection:	5/20/14 1:48:00 PM
Dil. Factor:	2.63	Date of Analysis:	6/3/14 08:37 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	1.3	Not Detected	3.4	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.2	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Trichloroethene	1.3	0.90 J	7.1	4.8 J
trans-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Tetrachloroethene	1.3	30	8.9	200

J = Estimated value.

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	98	70-130



Air Toxics

Client Sample ID: SGP-1406-M (052014)

Lab ID#: 1405452-18A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060328	Date of Collection:	5/20/14 2:20:00 PM
Dil. Factor:	5.31	Date of Analysis:	6/3/14 08:58 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	2.6	Not Detected	6.8	Not Detected
1,1-Dichloroethene	2.6	Not Detected	10	Not Detected
cis-1,2-Dichloroethene	2.6	Not Detected	10	Not Detected
Trichloroethene	2.6	1.6 J	14	8.8 J
trans-1,2-Dichloroethene	2.6	Not Detected	10	Not Detected
Tetrachloroethene	2.6	120	18	820

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	98	70-130

Client Sample ID: SGP-1406-D (052014)

Lab ID#: 1405452-19A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	17060329	Date of Collection:	5/20/14 2:52:00 PM
Dil. Factor:	6.72	Date of Analysis:	6/3/14 09:20 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.4	Not Detected	8.6	Not Detected
1,1-Dichloroethene	3.4	Not Detected	13	Not Detected
cis-1,2-Dichloroethene	3.4	Not Detected	13	Not Detected
Trichloroethene	3.4	1.4 J	18	7.7 J
trans-1,2-Dichloroethene	3.4	Not Detected	13	Not Detected
Tetrachloroethene	3.4	54	23	360

J = Estimated value.

Container Type: 1 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	97	70-130



Appendix B

Soil Gas Port Boring Logs

Date Start/Finish: 3/4/14 Drilling Company: SCS Driller's Name: Dana Booth Drilling Method: Geoprobe Sampling Method: Rig Type:	Northing: Easting: Casing Elevation: Borehole Depth: 24.0 ft bgs Surface Elevation: Descriptions By: Randall Woodruff	Well/Boring ID: SGP-1401 Client: Location: Kokomo, Indiana

DEPTH	ELEVATION	Sample Run Number	Sample Interval	Recovery	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction

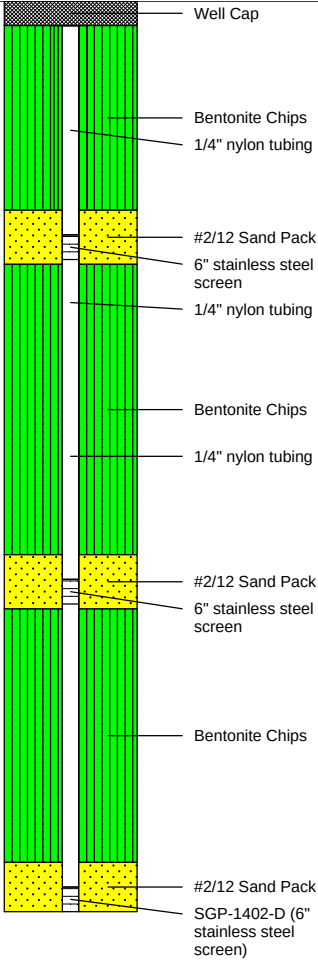
0	0						Gravels with sands, Topsoil, organics	Well Cap
		1	0-5	100%	NM		SILTY CLAY, non-plastic, trace pebbles, dry, firm to stiff, dark greyish brown	Bentonite Chips 1/4" nylon tubing
5	-5	2	5-8	50%	NM		SILTY CLAY, non-plastic to slightly plastic, trace sands, trace pebbles, dry, stiff, grey with oxidation staining	
							6.0' - color change to brown with oxidation	#2/12 Sand Pack 6" stainless steel screen
							7.5-9.0' - soft, moist	1/4" nylon tubing
							9.0' - dry, firm	Bentonite Chips
10	-10	3	8-12	100%	NM		10.0' - color change to greyish brown with oxidation	1/4" nylon tubing
		4	12-15	90%	NM		SILTY CLAY with pebbles (TILL), non-plastic, dry, hard, brittle, brownish grey to grey	#2/12 Sand Pack 6" stainless steel screen
							13.75-13.80' - coarse sand stringer, moist to wet	
15	-15	5	15-18	100%	NM		14.0' - dry, stiff, very brittle	Bentonite Chips
		6	18-21	100%	NM			
20	-20	7	21-24	100%	NM		SAND with silt, coarse sand to pebbles, wet/saturated, grey	#2/12 Sand Pack 6" stainless steel screen
							End of boring	

 IN000884.2014	Remarks: Abbreviations: ft bgs = feet below ground surface, PID = photoionization detector; ppm = parts per million

Date Start/Finish: 3/4/14 Drilling Company: SCS Driller's Name: Dana Booth Drilling Method: Geoprobe Sampling Method: Rig Type:	Northing: Easting: Casing Elevation: Borehole Depth: 24.0 ft bgs Surface Elevation: Descriptions By: Randall Woodruff	Well/Boring ID: SGP-1402 Client: Location: Kokomo, Indiana

DEPTH	ELEVATION	Sample Run Number	Sample Interval	Recovery	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction

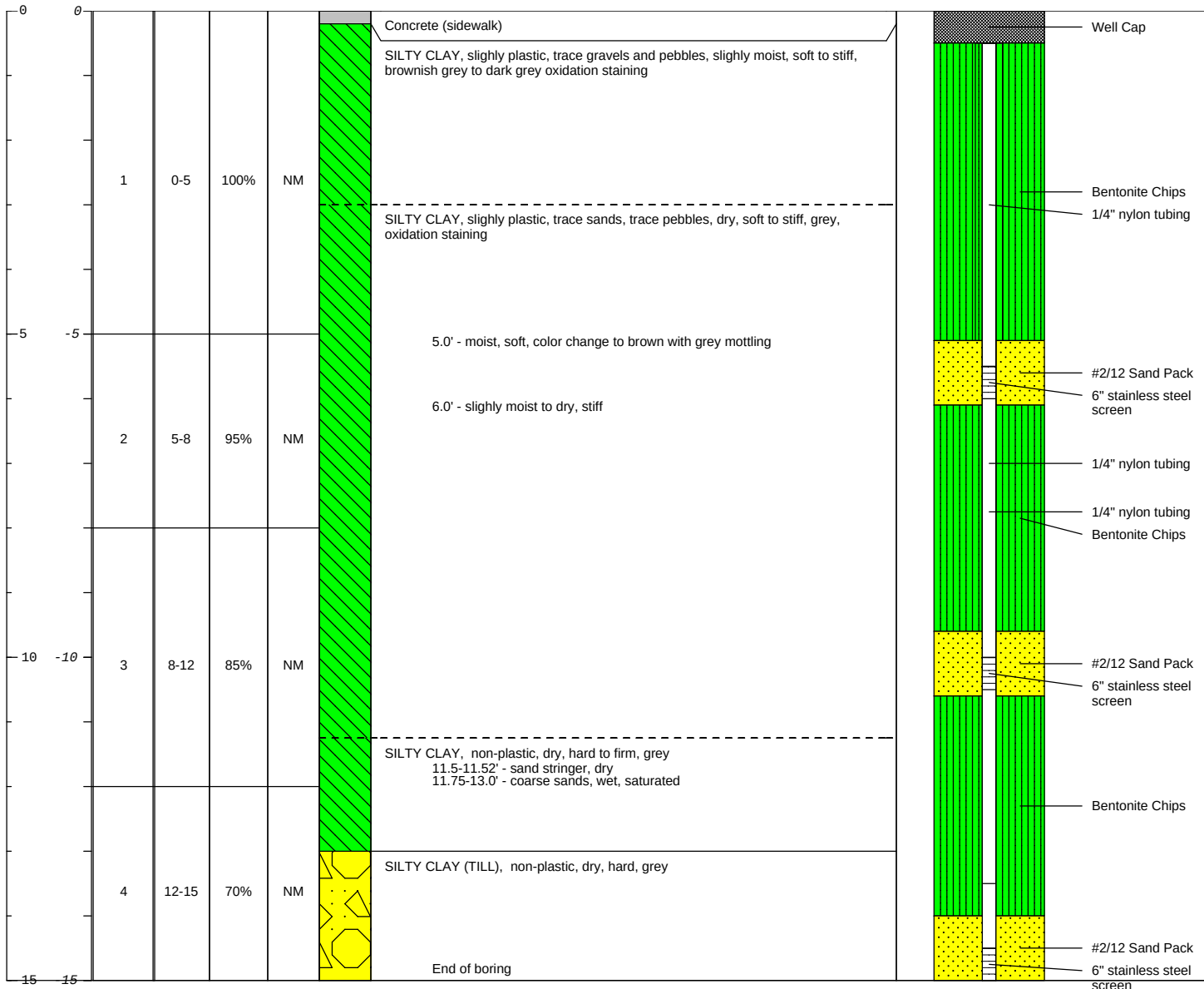
0	0						TOPSOIL, organics	
		1	0-5	100%	NM		SILTY CLAY, slightly plastic, trace pebbles, dry, stiff to firm, dark grey oxidation staining	
							SILTY CLAY, slightly plastic, trace sands, trace pebbles, dry, stiff to firm, grey with oxidation staining and brown mottling. Increasing sand with depth	
							5.0' - slightly moist, soft	
		2	5-8	50%	NM		SILTY SAND, moist to saturated, soft, brownish grey to greyish brown	
							7.25' - dry, firm, color change to brown	
							CLAYEY SILT/SILTY CLAY, trace pebbles, dry, hard, brownish grey, trace oxidation	
		3	8-12	100%	NM		12.0' - color change to grey	
							GRAVELS, dry	
		4	12-15	90%	NM		SAND and GRAVEL, fine to coarse, wet, saturated, grey	
							14.24-14.5' - gravels, angular	
		5	15-18	100%	NM		SILTY CLAY (TILL), non-plastic, dry, hard, grey	
							16.0' - brittle	
		6	18-21	100%	NM		18.75' - slighly plastic, slightly moist, soft	
							SAND and GRAVEL, medium to coarse, pebbles, wet, saturated, grey	
		7	21-24	100%	NM			
							End of boring	



 IN000884.2014	Remarks: Abbreviations: ft bgs = feet below ground surface, PID = photoionization detector; ppm = parts per million

Date Start/Finish: 3/4/14 Drilling Company: SCS Driller's Name: Dana Booth Drilling Method: Geoprobe Sampling Method: Rig Type:	Northing: Easting: Casing Elevation: Borehole Depth: 15.0 ft bgs Surface Elevation: Descriptions By: Randall Woodruff	Well/Boring ID: SGP-1403 Client: Location: Kokomo, Indiana

DEPTH	ELEVATION	Sample Run Number	Sample Interval	Recovery	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction



 IN000884.2014	Remarks: Abbreviations: ft bgs = feet below ground surface, PID = photoionization detector; ppm = parts per million Geotech sample: 16-18' * Appears to be sand at end of geotech core; water floating throughout core length; assume sands and water start @ 16.0' or shortly after.

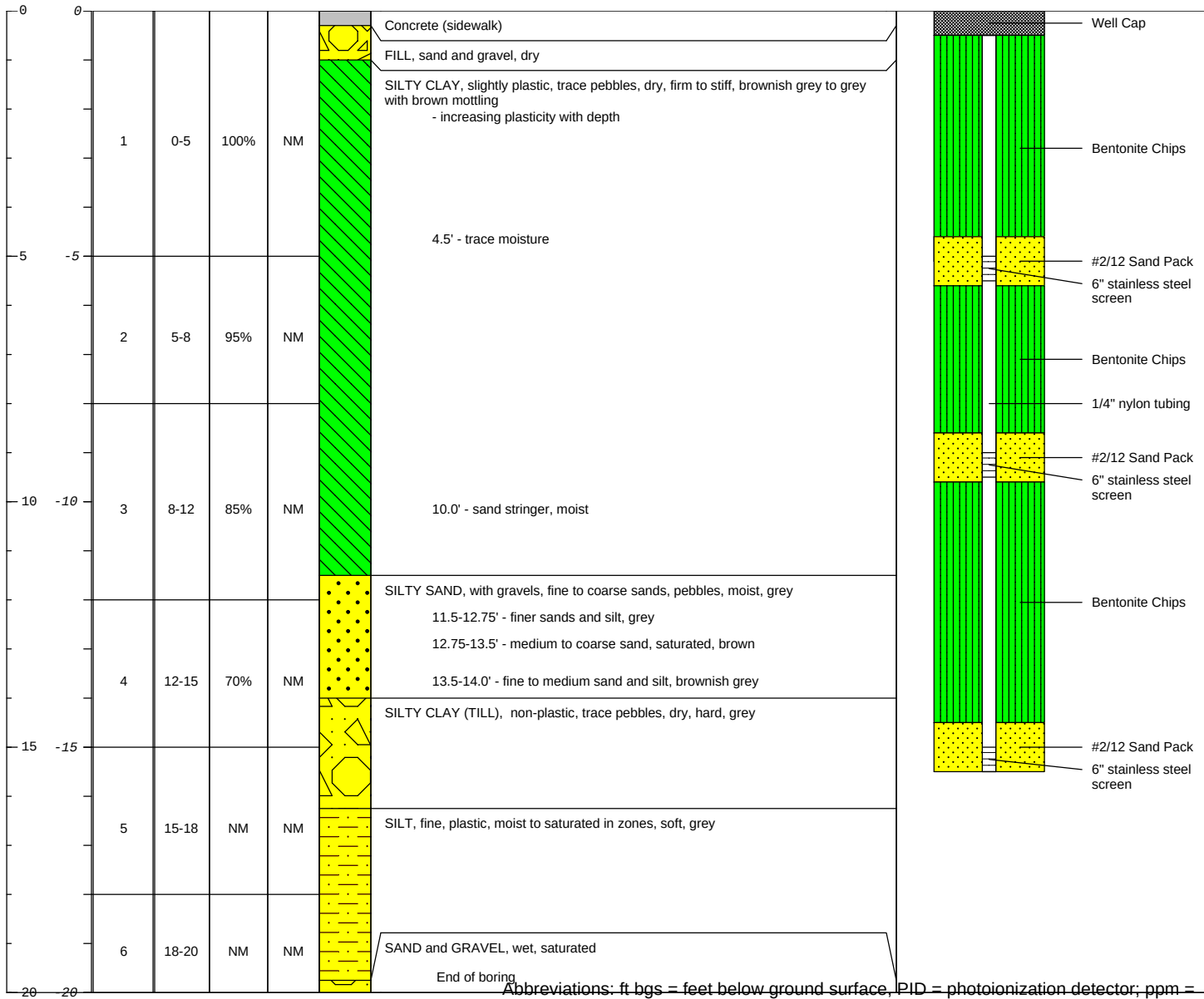
Date Start/Finish: 3/5/14 Drilling Company: SCS Driller's Name: Dana Booth Drilling Method: Geoprobe Sampling Method: Rig Type:	Northing: Easting: Casing Elevation: Borehole Depth: 20.0 ft bgs Surface Elevation: Descriptions By: Randall Woodruff	Well/Boring ID: SGP-1404 Client: Location: Kokomo, Indiana

DEPTH	ELEVATION	Sample Run Number	Sample Interval	Recovery	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction
0	0						Concrete (sidewalk)	
		1	0-5	100%	NM		SILTY CLAY, slightly plastic, trace pebbles, dry, firm to stiff, various greys with brown mottling, oxidation staining - increasing oxidation with depth 4.0' - slightly plastic, dry, firm, color change to brown with grey mottling, oxidation	Well Cap Bentonite Chips 1/4" nylon tubing 1/4" nylon tubing #2/12 Sand Pack 6" stainless steel screen 1/4" nylon tubing Bentonite Chips #2/12 Sand Pack 6" stainless steel screen Bentonite Chips #2/12 Sand Pack 6" stainless steel screen
-5	-5	2	5-8	100%	NM			
-10	-10	3	8-12	90%	NM		10.0-10.5' - small sand stringers, fine to medium, slight moisture 10.5-10.55' - gravels, angular, dry	
							SILTY CLAY (TILL), non-plastic, pebbles, trace sand, dry, hard, dark grey to medium grey	
		4	12-16	90%	NM		14.5' - brittle 16.0' - soft	
-15	-15						SAND and GRAVEL, course sand to pebbles, wet, saturated, grey	
		5	18-20	85%	NM			
-20	-20						End of boring	

 IN000884.2014	Remarks: Abbreviations: ft bgs = feet below ground surface, PID = photoionization detector; ppm = parts per million

Date Start/Finish: 3/5/14 Drilling Company: SCS Driller's Name: Dana Booth Drilling Method: Geoprobe Sampling Method: Rig Type:	Northing: Easting: Casing Elevation: Borehole Depth: 15.0 ft bgs Surface Elevation: Descriptions By: Randall Woodruff	Well/Boring ID: SGP-1405 Client: Location: Kokomo, Indiana

DEPTH	ELEVATION	Sample Run Number	Sample Interval	Recovery	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction



 IN000884.2014 SGP-1405.dat	Remarks: Geotech samples: 6-8' and 14-16' * Sand and gravels, wet @ 19.75. Wet silts and sand stringers, staining @ 16.25' Design - boring_well geoprobe 2007.ldfx

Date Start/Finish: 3/5/14 Drilling Company: SCS Driller's Name: Dana Booth Drilling Method: Sampling Method: Rig Type:	Northing: Easting: Casing Elevation: Borehole Depth: 15.0 ft bgs Surface Elevation: Descriptions By: Randall Woodruff	Well/Boring ID: SGP-1406 Client: Location: Kokomo, Indiana

DEPTH	ELEVATION	Sample Run Number	Sample Interval	Recovery	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Well/Boring Construction

0	0						Concrete (sidewalk)	
		1	0-5	100%	NM		FILL, sand and gravel, dry	Well Cap
							SILTY CLAY, slightly plastic, trace pebbles, fine to coarse sands, pebbles, dry, dark grey with brown mottling, oxidation staining - increasing plasticity and oxidation with depth	Bentonite Chips
-5	-5	2	5-8	50%	NM		5.5-6.75' - moist, soft, sticky	#2/12 Sand Pack 6" stainless steel screen
							9.25-9.35' - sand stringer, fine, moist	Bentonite Chips
-10	-10	3	8-12	75%	NM		10.5-10.8' - sand stringers, medium to coarse, moist	1/4" nylon tubing
							SILTY CLAY (TILL), non-plastic, pebbles, trace gravels, dry, hard, grey	#2/12 Sand Pack 6" stainless steel screen
		4	12-15	100%	NM		GRAVEL, angular, dry, possibly large boulder or concrete	Bentonite Chips
-15	-15	5	15-18	100%	NM		SILTY SAND, fine to medium, wet, saturated, stiff, brown	#2/12 Sand Pack 6" stainless steel screen
							15.75' - dry, hard, friable 16.0' - slightly moist, hard, friable	
							SILTY CLAY (TILL), non-plastic, trace pebbles, dry, hard, dark grey	
							End of boring	

	Remarks: Abbreviations: ft bgs = feet below ground surface, PID = photoionization detector; ppm = parts per million Geotech samples: 6-8' and 16-18' * Sand and gravels, wet @ 19.75