2009 SITE-WIDE GROUNDWATER SAMPLING REPORT

ROHM AND HAAS CHEMICALS LLC
2000 WEST STREET
CINCINNATI, OH 45215

PREPARED FOR:

THE DOW CHEMICAL COMPANY
CORPORATE REMEDIATION GROUP
3100 STATE ROAD
CROYDON, PA 19021

MARCH 2010

PREPARED BY:

PARSONS
2443 CROWNE POINT DRIVE
CINCINNATI, OH 45241

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ABBREVIATIONS AND ACRONYMS

AST	Aboveground Storage Tank
CD	Compact Disk
DO	Dissolved Oxygen
EDD	Electronic Data Deliverable
FI	Facility Investigation
H_2S	Hydrogen Sulfide
MCL	Maximum Contaminant Level
MS/MSD	Matrix Spike/Matrix Spike Duplicate
N_2	Nitrogen
NAPL	Non-aqueous Phase Liquid
ORP	Oxidation Reduction Potential
PAH	Polycyclic Aromatic Hydrocarbon
QC	Quality Control
RCRA	Resource Conservation and Recovery Act
RSL	Regional Screening Level
SVOC	Semi-volatile Organic Compound
SWMU	Solid Waste Management Unit
UA	Upper Aquifer
µg/L	Micrograms per Liter
USEPA	U.S. Environmental Protection Agency
UST	Underground Storage Tank
VOC	Volatile Organic Compound

SECTION 1
INTRODUCTION

This report discusses tasks conducted as part of the 2009 site-wide groundwater sampling at the Rohm and Haas Chemicals LLC facility at 2000 West Street, Cincinnati, Ohio (Figure 1). Rohm and Haas Chemicals LLC (Rohm and Haas) is a subsidiary of The Dow Chemical Company (Dow). The Rohm and Haas Cincinnati facility manufactures chemical products; the following chemical products have been manufactured there since approximately 1950:

- Synthetic waxes, used as lubricants in plastic extrusion processes and as defoamers in the paper industry;
- Asphalt additives, specifically anti-stripping agents;
- Antioxidants;
- Phosphonium salts, used as catalysts for epoxy and powder coatings; and
- Plastic stabilizers, specifically organotin and cyoglycolate organotin stabilizers.

The raw materials used to manufacture these products include metallic tin, methylene chloride, chlorine, ammonia, 2-mercaptyl ethanol, tall oil fatty acid, 2-ethyl hexanol, thioglycolic acid, ethylene diamine, stearic acid, paraffin waxes, ethyl chloride, benzyl chloride, triphenyl phosphene, and others. Chemical intermediates produced on site include stannic chloride, dimethyl tin dichloride, esters, and glycolates. The Rohm and Haas Cincinnati facility has never been involved in the manufacture, blending, or compounding of pesticides or herbicides.

The Rohm and Haas Cincinnati facility consists of a single, 34-acre tract of land. Approximately 27 acres comprise the fenced, operational area of the facility, and the remaining 7 acres contain baseball fields used by the City of Reading. The operational portion of the facility consists of approximately 28 buildings, including process, warehouse, office, laboratory, and waste treatment operational structures. The facility also includes approximately 70 aboveground storage tanks (ASTs) for feedstock, product, and waste storage. There are no active underground storage tanks (USTs) at the facility; three previous

USTs have been removed or closed in place. Figure 2 shows the facility layout. The site is currently undergoing Resource Conservation and Recovery Act (RCRA) corrective actions associated with solid waste management units (SWMUs) identified at the facility.

Groundwater sampling requirements dictated by an Agreed Order have been carried out during the RCRA facility investigation (FI) and are reported in the revised FI report (Geomatrix, 2004). The 2009 groundwater sampling is ongoing sampling not specifically dictated in the FI work plan, the Agreed Order, or any other agency requirement. This work was conducted voluntarily at the request of Rohm and Haas to maintain an annual monitoring schedule for the site during completion of the baseline risk assessment.

SECTION 2
SITE-WIDE GROUNDWATER SAMPLING

2.1 Groundwater Sampling

The existing monitoring wells at the site are each screened in one of three zones: the shallow upper aquifer (UA) sands, the deep UA sands, and the lower aquifer. Table 1 shows the aquifer in which each well is screened. Figure 2 shows the monitoring well locations.

On 10 November 2009, Parsons measured water levels in all accessible monitoring wells at the site. Table 1 summarizes the water level and groundwater elevation data. A Solinst Interface probe was used to check for any non-aqueous phase liquid (NAPL) and to gauge the depth to water and depth to bottom of the wells, while a hydrogen sulfide (H_2S) detector was used to monitor for vapors from the monitoring well and within the breathing zone during gauging activities. A Troll 9000 multi-parameter water quality meter and a LaMotte turbidity meter were used to measure field parameters in purge water from the monitoring wells.

From 11 through 24 November 2009 (the 2009 sampling event), Parsons sampled each of the upper aquifer, on-site wells and the three lower aquifer, on-site wells. Parsons performed low-flow purging and sampling with a low-flow bladder pump to sample the on-site monitoring wells. The low-flow sampling equipment included a QED stainless steel Sample Pro® micropurge bladder pump with disposable Teflon bladders and Teflon-lined tubing. Pressurized nitrogen cylinders were used to power the pump. The field method followed these steps:

1) Gauged and recorded water level.
2) Assembled low-flow bladder pump with disposable Teflon bladder and Teflon-lined tubing.
3) Set pump slowly into well to the middle of the screened interval and allowed for equilibrium.

4) Assembled the pump controller, nitrogen (N_2) gas cylinder, flow-through cell, and water quality meter.

5) Gauged water level to confirm static water level.

6) Purged at approximately 100 to 300 milliliters per minute (mL/minute). Maintained the same flow rate during purging and sampling.

7) Measured temperature, specific conductance, pH, dissolved oxygen (DO), oxidation reduction potential (ORP) and turbidity and recorded measurements every three to five minutes. Continued purging until three consecutive readings fell within 3 percent for conductivity, turbidity and ORP; within 10 percent for DO; and within +/- 0.2 units for pH. At least three well parameter readings were recorded for each well. Deviations from this sampling procedure are noted on the groundwater sampling log.

8) Collected samples in laboratory-supplied containers and placed them immediately in an ice-filled cooler.

9) Recorded data on groundwater sampling logs (Appendix A).

10) Recorded start and end times in the field book.

2.2 Sample Nomenclature

Groundwater samples were labeled using the Rohm and Haas protocol for field sample labels: the date first, then well identification, followed by vertical depth, and finally an alpha character indicating the type of sample (normal, field duplicate, etc.). For example, the sample label for UAW01-80 was 20091112UAW01-80V74N. The nomenclature indicates that a normal sample was collected from UAW01-80 on 12 November 2009 at a depth of 74 feet below top of casing. A chain-of-custody form accompanied each sample cooler.

2.3 Analytical Methods and QA/QC Procedures

Groundwater samples were submitted to TestAmerica Laboratories (TestAmerica) in North Canton, Ohio, for analysis of volatile organic compounds (VOCs) using United States Environmental Protection Agency (USEPA) Method SW846-8260B; semi-volatile organic compounds (SVOCs), including aniline, by USEPA Method SW846-8270C; total metals, including tin, by USEPA Method SW846-6010B; and mercury by USEPA Method SW846-7470A.

Five types of quality control (QC) samples were used to assess the adequacy of sampling, decontamination, and transportation procedures. These QC samples include trip blanks, equipment blanks, field blanks, matrix spike, and field duplicate samples.

- Four trip blanks were used to determine whether contamination or cross-contamination with VOCs occurred during transportation of sample containers. Trip blanks pre-filled with deionized water by TestAmerica accompanied each cooler containing VOC sample containers. One trip blank accompanied each sample cooler shipped to TestAmerica containing VOC samples.
- Two extra sample volumes were collected with samples 20091117LAW05-60V55N and 20091124UAW24-70V65N for matrix spike / matrix spike duplicate (MS/MSD) control. TestAmerica used additional site samples as the MS/MSD samples for metals analyses.
- One field blank sample, 20091120CINFB-1, was collected by dispensing laboratory-grade deionized water into sample bottles under ambient sampling conditions.
- Two equipment blank samples (20091117CINEB-1 and 20091123CINEB-1) were collected by pouring laboratory supplied, deionized water through the low-flow equipment following decontamination.
- Two duplicate samples, 20091112UAW02-40V38FD and 20091120UAW10-50V52FD, were collected at UAW02-40 and UAW10-50, respectively.

The equipment blanks, field blank, duplicates, and MS/MSD samples were analyzed for VOCs by USEPA Method SW846-8260B; SVOCs, including aniline, by USEPA Method SW846-8270C; total metals, including tin, by USEPA Method SW846-6010B; and mercury by USEPA Method SW846-7470A. Trip blank samples were analyzed for VOCs by USEPA Method SW846-8260B.

The appropriate chain-of-custody forms were completed and maintained by Parsons' field technician. Samples were taken to the TestAmerica collection facility in Sharonville, Ohio, and shipped in coolers via overnight courier to:

TestAmerica Laboratories
4101 Shuffel Drive NW
North Canton, Ohio 44720
(330) 497-9396

2.4 Disposition of Purge Water

Purge water generated during well purging was temporarily placed in three 55-gallon, closed-top drums. Monitoring well purge water was processed through the chemical sewer system leading to the on-site wastewater treatment facility.

2.5 Decontamination Procedures

Equipment used during the groundwater sampling was thoroughly decontaminated before its initial use and after each subsequent use. Down-hole equipment was decontaminated after use at each well location using laboratory-grade, non-phosphate detergent and double-rinsed, first with tap water and then with deionized water. Tap water was obtained from a potable water source inside the facility. The deionized water was obtained from TestAmerica in sealed, 5-gallon polypropylene containers. Upon completion of field activities, sampling equipment was decontaminated before leaving the site. Decontamination water was processed through the chemical sewer system at the facility at pre-approved access points.

SECTION 3
GROUNDWATER SAMPLING RESULTS

3.1 Groundwater Elevation Data

Parsons conducted the monitoring well gauging on 10 November 2009. NAPLs were not detected in any monitoring well. Table 1 includes the groundwater elevation measurements. Figures 3a and 3b are groundwater potentiometric surface maps for wells completed in the shallow UA sands and the deep UA sands, respectively. A potentiometric surface map was not prepared for the lower aquifer due to the limited number of wells (i.e., three) screened in that interval.

In the shallow UA sands, the groundwater flow across the site is generally to the west toward Mill Creek and southwest toward the recovery well, with a steeper gradient in the eastern portion of the site. The hydraulic gradient at the site was approximately 0.034 feet per foot (ft/ft) for the shallow UA sands, calculated across the central portion of the site. The gradient is steeper in the northeastern area of the site (calculated at 0.054 ft/ft between MW-EPA-2 and UAW22-20) and flattens slightly in the northwestern area of the site (approximately 0.011 ft/ft). This potentiometric surface is similar to those observed in previous years.

In the deep UA sands (Figure 3b), the groundwater flow on the western and east-central portions of the site is toward a central trough. This potentiometric surface is similar to those observed in previous years.

3.2 Groundwater Analytical Data

Tables 2, 3, and 4 summarize the analytical results for VOCs, SVOCs, and inorganic compounds, respectively, for groundwater samples collected during the 2009 sampling. Current maximum contaminant levels (MCLs) are also presented on these tables for comparison purposes. If an MCL has not been promulgated for a compound, the regional screening level (RSL) in tapwater is presented as an alternative screening level for comparison. Only detected compounds are listed in these analytical tables. Figures 4 and 5 depict the distributions of detected VOCs and SVOCs, respectively, for the last four events. Figure 6 depicts the 2008 and 2009 distributions of selected metals

(metals that may pose a risk for the groundwater-to-surface-water pathway), specifically aluminum, arsenic, barium, cadmium, chromium, copper, iron, manganese, nickel, selenium, thallium, and tin. The historical analytical data tables for groundwater samples are included in Appendix B as Tables B-1, B-2, B-3, and B-4 for VOCs, SVOCs, pesticides and PCBs, and inorganic compounds, respectively. Sampling for pesticides and PCBs was discontinued after the November 2004 sampling because these compounds have not been detected at the site above ambient background concentrations and the site has never manufactured these chemicals. The laboratory electronic data deliverable (EDD) for the 2009 sampling, including a scanned copy of each chain-of-custody form, is on the data compact disc (CD) in Appendix C.

Tables 5, 6, and 7 summarize the analytes (VOCs, SVOCs, and metals, respectively) for which the 2009 concentrations exceeded the historical concentration range in any given well. The comparison and evaluation of the significance of the 2009 results with the historical range must consider the varying reporting limits (e.g., non-detect "<" value). 1,2-Dibromoethane, detected in well UAW20-60, was the only newly-detected compound in 2009 (i.e., not previously detected in any well for any event).

3.2.1 Data Quality Assessment

During the 2009 groundwater sampling, 43 groundwater samples were collected from 41 monitoring wells and analyzed for VOCs, SVOCs, and inorganics. Sample analysis results were reviewed for compliance with applicable data quality criteria using the project-specific data review protocol described in the analytical data review report (Appendix D). Based on the data review, sample results (as qualified in the report and on Tables 2, 3, and 4) are considered acceptable and usable for reporting annual groundwater monitoring results. One sample was re-analyzed for SVOCs outside of holding time because surrogate results were non-compliant for initial analysis and one sample was re-analyzed at dilution because the bis-2-(ethylhexyl) phthalate (BEHP) result in the initial analysis exceeded the calibration range; both sets of results for each of these two samples were reported and data use selection decisions are summarized on Table D-3 in Appendix D.

Certain sample results were qualified as undetected ("U") due to associated blank (method, trip) contamination; these results should be considered to be potential false-positive results. Data qualifiers applied as a result of this data review are discussed in the applicable report section and are summarized on Table D-2 in Appendix D. Sample results reported at a concentration less than the reporting limit, but greater than the MDL, have been flagged by the laboratory as "J" for VOCs or SVOCs or as "B" for metals and should be considered to be estimated values; these values have not been summarized in Table D-2 in Appendix D as qualified values, but the data qualifier has been applied in the project database, as applicable. Samples 20091112UAW02-40V38FD and 20091120UAW10-50V52FD were collected as field duplicates. Field duplicate analysis exhibited good agreement with parent sample results, and no sample results were qualified based on field duplicate results for any of the samples.

3.2.2 VOCs

Thirty-five of the 43 groundwater samples collected for analysis of VOCs during this reporting period indicated one or more VOC compounds above laboratory reporting limits. Table 2 displays the detected concentrations. A total of 31 VOCs were detected in 2009 with 12 VOCs being detected in at least one monitoring well at a concentration that exceeded the MCL or tapwater RSL. Two VOCs (1,3-dichlorobenzene and methylcyclohexane) were detected in 2009; however, an MCL or RSL has not been established for these two compounds.

Table 5 identifies those samples in which the concentration was outside the historical range of detections recorded for each well and newly-detected compounds in individual wells. As shown in Table 5, detected VOCs resulted in slightly more new low concentrations (61) than new high concentrations (42) and the high detections were generally within the same order of magnitude as previous detections. In addition, there were 13 detections of compounds in wells that had not had previous detections of those compounds in the wells; however, all of the detections were qualified with "J" flags and were detected at concentrations below previous reported detection limits. Most of the new high concentrations are associated with chlorobenzenes and dichlorobenzenes in wells MW-EPA-1, UAW05-20, UAW13-20, and UAW22-20 and various ethanes and

ethenes in UAW27-50. 1,2-Dibromoethane (also known as ethylene dibromide) was the only VOC detected in 2009 that has not been detected at least once previously. 1,2-Dibromoethane was detected in well UAW20-60 at a concentration of 7.2 ug/L and the detection was flagged with a "J" qualifier.

In the shallow UA sands, the measured concentrations of VOCs are generally highest in the northwestern area of the site, as shown on Figure 4. The VOC concentrations in wells in the central, southwestern, southern, eastern, and northeastern areas of the site are generally within or lower than historical concentration ranges.

In the deep UA sands, the measured concentrations of VOCs are highest in the northeastern area of the site, as depicted on Figure 4. The concentrations of VOCs in wells in the northeastern area were generally within the historical ranges for each well.

3.2.3 SVOCs

Eight of the 43 groundwater samples collected in 2009 indicated one or more SVOCs above reporting limits, as indicated in Table 3. A total of 8 SVOCs were detected in 2009 with two SVOCs (aniline and bis(2-ethylhexyl)phthalate) being detected in at least one monitoring well at a concentration that exceeded the MCL or tapwater RSL.

The concentrations of detected SVOCs in samples collected during November 2009 were generally consistent with historical concentrations (i.e., within historical concentration range). Table 6 shows slightly more new low detections (7) than new high detections (3). The new high concentrations are generally within the same order of magnitude as the previously detected highest concentrations. Polycyclic aromatic hydrocarbons (PAHs) were not detected in any of the wells sampled in 2009. Low concentrations of PAHs had been detected in wells UAW07-20 and UAW14-10 in 2008, which did not have previous detections of these compounds.

In the shallow UA sands, the measured concentrations of SVOCs are generally limited to the northwestern area of the site; and in the deep upper aquifer, the measured concentrations of SVOCs are generally non-detect (Figure 5).

3.2.4 Inorganic Compounds

During the 2009 sampling, 22 inorganic compounds were detected above laboratory detection limits within the samples analyzed, as indicated in Table 4. Eight metals (antimony, arsenic, chromium, cobalt, iron, manganese, nickel and vanadium) were detected in at least one monitoring well at a concentration that exceeded the MCL or tapwater RSL.

For the select list of metals (aluminum, arsenic, barium, cadmium, chromium, copper, iron, manganese, nickel, selenium, thallium, and tin), the concentrations in samples collected during this reporting period were consistent with historical concentrations, with the noted exceptions shown in Table 7. The data indicate more new low detections (37) than new high detections (25) within the select list of metals for the upper aquifer wells.

In the shallow UA sands, the measured concentrations of the select list of metals are generally highest in the northwestern and central portions of the site, as illustrated on Figure 6.

Figure 6 presents the measured concentrations of the select list of metals in the deep UA sands.

SECTION 4
SUMMARY

Thirty-eight wells completed in the UA and three wells completed in the lower aquifer were sampled between 11 and 24 November 2009. The UA wells were completed in either the shallow sand (i.e., shallow UA sands) or the lower sand (i.e., deep UA sands). Water levels were measured in the upper aquifer wells and in the three lower aquifer wells. The groundwater level flow directions were generally consistent with historical information. The concentrations of VOCs, SVOCs, and inorganic compounds in samples collected during this reporting period were generally consistent with historical concentrations and within the historical concentration range. Analyte concentrations outside the historical concentration range for the wells are summarized on Tables 5, 6, and 7. 1,2-Dibromoethane, detected in well UAW20-60, was the only newly-detected compound during the November 2009 sampling; however, no compounds were detected at significantly higher concentrations than in previous events.

SECTION 5
REFERENCES

Geomatrix. 2004. Facility Investigation Report Conducted at the Morton International, Inc. Site in Reading, Ohio. Revision 01. September.

TABLES

TABLE 1
GROUNDWATER ELEVATION AND SCREEN LOCATIONS
10 NOVEMBER 2009
ROHM AND HAAS CINCINNATI PLANT

Well ID.	Well Completion Location	Top of Riser Elevation[1]	Depth to Groundwater	Groundwater Elevation[1]
MW-EPA-1	Shallow UA Sands	553.75	10.83	542.92
MW-EPA-2	Shallow UA Sands	575.95	9.21	566.74
MW-EPA-3	Shallow UA Sands	577.85	9.57	568.28
MW-EPA-4	Shallow UA Sands	560.64	16.11	544.53
UAW01-30	Shallow UA Sands	564.33	25.58	538.75
UAW02-20	Shallow UA Sands	551.63	13.21	538.42
UAW03-20	Shallow UA Sands	552.10	13.59	538.51
UAW04-20	Shallow UA Sands	552.66	11.42	541.24
UAW05-20	Shallow UA Sands	553.62	11.70	541.92
UAW06-20	Shallow UA Sands	553.31	10.90	542.41
UAW07-20	Shallow UA Sands	554.38	10.68	543.70
UAW08-20	Shallow UA Sands	554.25	9.81	544.44
UAW09-20	Shallow UA Sands	565.95	27.78	538.17
UAW11-10	Shallow UA Sands	553.58	8.84	544.74
UAW12-20	Shallow UA Sands	555.26	10.03	545.23
UAW13-20	Shallow UA Sands	555.26	10.19	545.07
UAW14-10	Shallow UA Sands	566.85	7.91	558.94
UAW15-20	Shallow UA Sands	561.35	10.51	550.84
UAW16-10	Shallow UA Sands	554.73	14.24	540.49
UAW17-40	Shallow UA Sands	577.19	11.18	566.01
UAW18-20	Shallow UA Sands	556.24	13.22	543.02
UAW21-30	Shallow UA Sands	565.82	24.82	541.00
UAW22-20	Shallow UA Sands	557.71	12.23	545.48
UAW25-20	Shallow UA Sands	556.16	17.15	539.01
UAW01-80	Deep UA Sands	564.28	25.41	538.87
UAW02-40	Deep UA Sands	551.63	13.25	538.38
UAW09-60	Deep UA Sands	566.40	28.13	538.27
UAW10-50	Deep UA Sands	577.79	38.43	539.36
UAW10-80	Deep UA Sands	577.85	39.50	538.35
UAW11-40	Deep UA Sands	553.47	16.07	537.40
UAW15-50	Deep UA Sands	561.01	22.28	538.73
UAW19-80	Deep UA Sands	580.26	41.18	539.08
UAW20-60	Deep UA Sands	576.19	36.51	539.68
UAW21-80	Deep UA Sands	565.48	27.99	537.49
UAW23-20	Deep UA Sands	559.15	19.92	539.23
UAW24-70	Deep UA Sands	575.99	36.75	539.24
UAW26-70	Deep UA Sands	559.60	21.61	537.99
UAW27-50	Deep UA Sands	574.77	35.42	539.35
LAW05-150	Lower Aquifer	553.62	15.52	538.10
LAW05-60	Lower Aquifer	553.70	16.03	537.67
LAW12-60	Lower Aquifer	554.95	17.01	537.94

[1]All depths in feet, all elevations in feet above mean sea level

Table 2
Volatile Organic Compound Analytical Results - 2009 Sampling Event
Rohm and Haas Cincinnati Plant

Location	Sample Date	ANALYTES (µg/L)																														
		1,1,1-TRICHLOROETHANE	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	1,1,2-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHENE	1,2,4-TRICHLOROBENZENE	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	1,2-DICHLOROBENZENE	1,2-DICHLOROETHANE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	ACETONE	BENZENE	BROMODICHLOROMETHANE	CARBON DISULFIDE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROFORM	CIS-1,2-DICHLOROETHYLENE	CYCLOHEXANE	DICHLORODIFLUOROMETHANE (CFC-12)	ETHYLBENZENE	ISOPROPYLBENZENE (CUMENE)	METHYL ISOBUTYL KETONE	METHYLCYCLOHEXANE	TETRACHLOROETHYLENE(PCE)	TOLUENE	TRANS-1,2-DICHLOROETHENE	TRICHLOROETHYLENE (TCE)	VINYL CHLORIDE	XYLENES, TOTAL
Groundwater MCL/RSL		200	59,000	5.0	2.4	7.0	70	0.05	600	5.0	NE	75	22,000	5.0	0.12	1,000	5.0	100	0.19	70	13,000	390	700	680	2,000	NE	5.0	1000	100	5.0	2.0	10,000
MW-EPA-1	11/20/2009	< 250	< 250	< 250	< 250	< 250	< 250	< 250	590	< 250	**58 J**	**430**	< 2500	< 250	< 250	< 250	< 250	**7400**	< 250	< 120	< 250	< 250	< 250	< 250	< 2500	< 250	< 250	< 250	< 120	< 250	< 250	< 250
MW-EPA-2	11/23/2009	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 20	1.2 J	< 2	< 2	< 2	< 2	**0.63 J**	< 1	< 2	< 2	< 2	< 2	< 20	< 2	**68**	< 2	< 1	< 2	< 2	< 2
MW-EPA-3	11/23/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
MW-EPA-4	11/19/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
UAW01-30	11/12/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	0.42 J	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	0.51 J	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
UAW01-80	11/12/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	**6.8**	< 1
UAW02-20	11/12/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	11	< 1	**0.46 J**	4.1	< 10	< 1	< 1	< 1	< 1	3.7	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
UAW02-40 dup	11/12/2009	< 1	< 1	< 1	**12**	3.1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	31	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	2.3	< 1	0.49 J	< 1
UAW02-40	11/12/2009	< 1	< 1	< 1	**12**	2.9	< 1	< 1	< 1	< 1	< 1	< 1	< 10	0.46 J	< 1	< 1	< 1	< 1	< 1	30	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	2.2	< 1	0.44 J	< 1
UAW03-20	11/16/2009	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	170	0.87 J	**3.4**	21	< 25	2.6	< 2.5	< 2.5	< 2.5	**110**	< 2.5	< 1.2	0.53 J	< 2.5	2.7	< 2.5	< 25	**2 J**	< 2.5	1.9 J	< 1.2	< 2.5	< 2.5	5.5
UAW04-20	11/16/2009	< 1	< 1	< 1	0.48 J	< 1	< 1	< 1	3.3	< 1	**0.15 J**	0.9 J	< 10	0.33 J	< 1	< 1	< 1	3.6	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	0.58 J
UAW05-20	11/17/2009	< 20	< 20	< 20	< 20	< 20	< 20	< 20	570	< 20	**29**	**220**	< 200	**11 J**	< 20	11 J	< 20	**1500**	< 20	< 10	< 20	< 20	18 J	< 20	< 200	< 20	< 20	3.9 J	< 10	< 20	< 20	24
UAW06-20	11/17/2009	< 1	< 1	< 1	0.79 J	< 1	< 1	< 1	77	< 1	**1.5**	9	< 10	0.96 J	< 1	0.78 J	< 1	55	< 1	0.46 J	< 1	< 1	0.27 J	0.22 J	< 10	1 U	< 1	1.1	< 0.5	< 1	< 1	0.9 J
UAW07-20	11/16/2009	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	210	< 6.7	**3.2 J**	23	< 67	3.1 J	< 6.7	20	< 6.7	**500**	< 6.7	< 3.3	< 6.7	< 6.7	1.6 J	1.6 J	< 67	6.7 U	< 6.7	4.5 J	< 3.3	< 6.7	< 6.7	6.7
UAW08-20	11/16/2009	< 5	< 5	< 5	1.1 J	< 5	< 5	< 5	280	< 5	**5.5**	31	50 U	**97**	< 5	30	< 5	87	< 5	< 2.5	9.7	< 5	68	2.2 J	53	**52**	< 5	270	< 2.5	< 5	< 5	280
UAW09-20	11/18/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	**1.8**	< 1	< 1	< 1	**12**	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
UAW09-60	11/18/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
UAW10-50 dup	11/20/2009	4.8	0.92 J	0.66 J	**5.2**	0.63 J	< 1	< 1	< 1	2.6	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	**2.7**	28	< 1	< 1	< 1	< 1	< 10	< 1	3.8	< 1	1.2	1.9	0.28 J	< 1
UAW10-50	11/20/2009	4.9	0.89 J	0.63 J	**5.3**	0.64 J	< 1	< 1	< 1	2.6	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	**2.7**	28	< 1	< 1	< 1	< 1	< 10	< 1	3.8	< 1	1.2	1.9	0.27 J	< 1
UAW10-80	11/20/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
UAW11-10	11/18/2009	< 1	< 1	< 1	0.7 J	< 1	< 1	< 1	19	< 1	**0.96 J**	6.2	< 10	0.49 J	< 1	< 1	< 1	13	< 1	0.35 J	< 1	< 1	0.21 J	< 1	< 10	< 1	< 1	0.8 J	< 0.5	< 1	0.56 J	< 1
UAW11-40	11/18/2009	4.1	0.49 J	0.52 J	**3.3**	0.27 J	< 1	< 1	0.34 J	3.5	< 1	< 1	< 10	< 1	< 1	< 1	< 1	1.7	**0.27 J**	4.3	< 1	< 1	< 1	< 1	< 10	< 1	**17**	< 1	0.28 J	1.6	< 1	< 1
UAW12-20	11/19/2009	< 18	< 18	< 18	< 18	< 18	< 18	< 18	**670**	< 18	**49**	**190**	< 180	< 18	< 18	< 18	< 18	**380**	< 18	< 9.1	< 18	< 18	< 18	< 18	< 180	< 18	< 18	< 18	< 9.1	< 18	< 18	< 18
UAW13-20	11/19/2009	< 4	< 4	< 4	< 4	< 4	< 4	< 4	150	< 4	< 4	20	150	**11**	< 4	84	< 4	44	< 4	< 2	< 4	< 4	5.5	< 4	9.3 J	< 4	< 4	18	< 2	< 4	< 4	11
UAW14-10	11/24/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
UAW15-20	11/11/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	0.52 J	**0.2 J**	< 1	0.54 J	< 1	**19**	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
UAW15-50	11/11/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	0.69 J	< 1	< 1	< 1	8.8	< 1	< 0.5	0.39 J	< 1	< 1	< 1	1.5 J	< 1	< 1	0.23 J	< 0.5	< 1	< 1	< 1
UAW16-10	11/20/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	6.6	< 1	**0.52 J**	4.8	< 10	< 1	< 1	< 1	< 1	6.8	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
UAW17-40	11/13/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	0.48 J	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
UAW18-20	11/24/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	3.6	< 1	< 1	1.3	< 10	< 1	< 1	0.37 J	< 1	2.1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	0.32 J	< 1	< 1
UAW19-80	11/23/2009	5.4	< 1.7	< 1.7	**11**	1.1 J	0.35 J	< 1.7	< 1.7	**57**	< 1.7	< 1.7	< 17	1 J	< 1.7	< 1.7	< 1.7	< 1.7	**1.4 J**	15	< 1.7	< 1.7	< 1.7	< 1.7	< 17	< 1.7	< 1.7	< 1.7	0.58 J	< 1.7	< 1.7	< 1.7
UAW20-60	11/23/2009	11 J	< 29	**9.5 J**	< 29	< 29	< 29	**7.2 J**	< 29	**970**	< 29	< 29	< 290	**16 J**	< 29	< 29	< 29	< 29	**65**	26	< 29	< 29	< 29	< 29	< 290	< 29	**130**	< 29	< 14	**8 J**	< 29	< 29
UAW21-30	11/13/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	**1.9**	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	**9.8**	< 1	< 0.5	< 1	< 1	< 1
UAW21-80	11/13/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	0.26 J	< 1
UAW22-20	11/11/2009	< 3.3	< 3.3	< 3.3	**3.7**	< 3.3	< 3.3	< 3.3	62	< 3.3	**1.4 J**	11	< 33	1.4 J	< 3.3	< 3.3	< 3.3	74	< 3.3	1.6 J	< 3.3	< 3.3	< 3.3	< 3.3	< 33	< 3.3	< 3.3	0.92 J	< 1.7	< 3.3	1.6 J	< 3.3
UAW23-20	11/24/2009	9.3	1.1	1.9	**4.6**	0.19 J	< 1	< 1	< 1	0.28 J	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	**27**	4.1	< 1	< 1	< 1	< 1	< 10	< 1	**26**	< 1	0.77	3.2	< 1	< 1
UAW24-70	11/24/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
UAW25-20	11/12/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	14	< 1	**0.4 J**	3.7	< 10	< 1	< 1	< 1	< 1	2.6	< 1	< 0.5	< 1	0.48 J	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
UAW26-70	11/19/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
UAW27-50	11/11/2009	9.1	< 1	0.34 J	**12**	1.9	< 1	< 1	< 1	0.76 J	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	**0.77 J**	18	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	0.67	< 1	< 1	< 1

Table 2
Volatile Organic Compound Analytical Results - 2009 Sampling Event
Rohm and Haas Cincinnati Plant

Location	Sample Date	ANALYTES (µg/L)																														
		1,1,1-TRICHLOROETHANE	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	1,1,2-TRICHLOROETHANE	1,1-DICHLOROETHANE	1,1-DICHLOROETHENE	1,2,4-TRICHLOROBENZENE	1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	1,2-DICHLOROBENZENE	1,2-DICHLOROETHANE	1,3-DICHLOROBENZENE	1,4-DICHLOROBENZENE	ACETONE	BENZENE	BROMODICHLOROMETHANE	CARBON DISULFIDE	CARBON TETRACHLORIDE	CHLOROBENZENE	CHLOROFORM	CIS-1,2-DICHLOROETHYLENE	CYCLOHEXANE	DICHLORODIFLUOROMETHANE (CFC-12)	ETHYLBENZENE	ISOPROPYLBENZENE (CUMENE)	METHYL ISOBUTYL KETONE	METHYLCYCLOHEXANE	TETRACHLOROETHYLENE(PCE)	TOLUENE	TRANS-1,2-DICHLOROETHENE	TRICHLOROETHYLENE (TCE)	VINYL CHLORIDE	XYLENES, TOTAL
Groundwater MCL/RSL		200	59,000	5.0	2.4	7.0	70	0.05	600	5.0	NE	75	22,000	5.0	0.12	1,000	5.0	100	0.19	70	13,000	390	700	680	2,000	NE	5.0	1000	100	5.0	2.0	10,000
LAW05-150	11/17/2009	< 1	< 1	< 1	< 1	< 1	1 U	< 1	0.15 J	< 1	< 1	0.13 J	< 10	< 1	< 1	0.23 J	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
LAW05-60	11/17/2009	< 1	< 1	< 1	**13**	2.9	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	28	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	2.2	< 1	0.94 J	< 1
LAW12-60	11/19/2009	< 1	< 1	< 1	1.5	< 1	< 1	< 1	0.33 J	3.6	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	0.8	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
20091113TB-1	11/13/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	4.3 J	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
20091117CINEB-1	11/17/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
20091117TB-1	11/17/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2.6 J	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
20091120CINFB-1	11/20/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
20091120TB-1	11/20/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
20091123CINEB-1	11/23/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	12	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
20091124TB-1	11/24/2009	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	4.5 J	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1

Note: Only detected compounds are included in the table.
Bold indicates concentrations above the applicable drinking water standard.
MCL = Maximumum contaminant level; RSL = Regional Screening Level for Tapwater; NE = None established
The MCL is presented. If no MCL, then the RSL is shown.
The non-shaded table cells are detections exceeding the analyte reporting limits.
"J" flag indicates and estimated value detected below the method reporting limit.
"U" flag indicates a detected concentration qualified as undetected during data review due to contamination of an associated method blank or trip blank.
"B" flag indicates the anyalyte was also detected in the asociated method blank.

Table 3
Semi-Volatile Compound Analytical Results - 2009 Sampling Event
Rohm and Haas Cincinnati Plant

Location	Sample Date	ANALYTES (µg/L)										
		2,4-DICHLOROPHENOL	2-CHLOROPHENOL	2-METHYLNAPHTHALENE	4-CHLORO-3-METHYLPHENOL	ACETOPHENONE	ANILINE	BENZALDEHYDE	BIS(2-ETHYLHEXYL) PHTHALATE	CAPROLACTAM	DI-N-BUTYL PHTHALATE	PHENOL
Groundwater MCL/RSL		110	180	150	3,700	3,700	12	3,700	6.0	18,000	3,700	11,000
MW-EPA-1	11/20/2009	< 100	14 J	< 100	< 100	< 100	**31 J**	19 J	< 100	< 100	< 100	8.5 J
MW-EPA-2	11/23/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
MW-EPA-3	11/23/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
MW-EPA-4	11/19/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
UAW01-30	11/12/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
UAW01-80	11/12/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
UAW02-20	11/12/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
UAW02-40 dup	11/12/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
UAW02-40	11/12/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
UAW03-20	11/16/2009	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
UAW04-20	11/16/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
UAW05-20	11/17/2009	< 100	< 100	< 100	< 100	< 100	< 100	7.2 J	< 100	< 100	< 100	< 100
UAW06-20	11/17/2009	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
UAW07-20	11/16/2009	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40
UAW08-20	11/16/2009	< 500	< 500	< 500	< 500	< 500	**1900**	< 500	< 500	< 500	< 500	< 500
UAW09-20	11/18/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
UAW09-60	11/18/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
UAW10-50 dup	11/20/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
UAW10-50	11/20/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
UAW10-80	11/20/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
UAW11-10	11/18/2009	< 10	< 10	< 10	< 10	< 10	**13**	< 10	10 U	1.4 J	< 10	< 10
UAW11-40	11/18/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
UAW12-20	11/19/2009	1.2 J	1.7 J	< 10	< 10	< 10	6.9 J	< 10	< 10	< 10	< 10	< 10
UAW13-20	11/19/2009	< 100	< 100	4.3 J	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
UAW14-10	11/24/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	**75**	< 10	< 10	< 10
UAW15-20	11/11/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
UAW15-50	11/11/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	1.5 J	< 10	< 10
UAW16-10	11/20/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
UAW17-40	11/13/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
UAW18-20	11/24/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	2.8 J	< 10	< 10
UAW19-80	11/23/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
UAW20-60	11/23/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
UAW21-30	11/13/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
UAW21-80	11/13/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
UAW22-20	11/11/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
UAW23-20	11/24/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
UAW24-70	11/24/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
UAW25-20	11/12/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
UAW26-70	11/19/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
UAW27-50	11/11/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
LAW05-150	11/17/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
LAW05-60	11/17/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
LAW12-60	11/19/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10
20091117CINEB-1	11/17/2009	< 10	< 10	< 10	5.1 J	0.47 J	< 10	< 10	10 U	< 10	1.1 J	< 10
20091120CINFB-1	11/20/2009	< 10	< 10	< 10	4.1 J	0.6 J	< 10	< 10	10 U	< 10	0.91 J	< 10
20091123CINEB-1	11/23/2009	< 10	< 10	< 10	< 10	1.3 J	< 10	< 10	10 U	< 10	< 10	< 10

Note: Only detected compounds are included in the table.
Bold indicates concentrations above the applicable drinking water standard.
MCL = Maximum contaminant level; RSL = Regional Screening level for tapwater
The MCL is presented. If no MCL, then the RSL is shown.
The non-shaded table cells are detections exceeding the analyte reporting limits.
"J" flag indicates and estimated value detected below the method reporting limit.
"U" flag indicates a detected concentration qualified as undetected during data review due to contamination of an associated method blank or trip blank.
"B" flag indicates the anyalyte was also detected in the asociated method blank.

Table 4
Inorganic Compound Analytical Results - 2009 Sampling Event
Rohm and Haas Cincinnati Plant

Location	Sample Date	ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CALCIUM	CHROMIUM, TOTAL	COBALT	COPPER	IRON	LEAD	MAGNESIUM	MANGANESE	NICKEL	POTASSIUM	SELENIUM	SODIUM	THALLIUM	TIN	VANADIUM	ZINC
		ANALYTES (µg/L)																					
Groundwater MCL/RSL		37,000	6.0	10	2,000	4.0	5.0	NE	100	11	1,300	26,000	15	NE	880	730	NE	50	NE	2.0	22,000	2.6	11,000
MW-EPA-1	11/20/2009	1030	< 10	**185**	657	< 5	< 2	314000	**244**	< 7	15.3 B	6990	2.6 B	204000	133	77.8	16600	< 5	897000	5.3 B	1290	**36.5**	35.5
MW-EPA-2	11/23/2009	12700	< 10	8.3 B	253	0.64 B	< 2	262000	**370**	**17.6**	36.9	20700	12.8	83300	**1100**	242	8800	< 5	587000	< 10	168	**28**	87.5
MW-EPA-3	11/23/2009	513	< 10	< 10	131 B	< 5	< 2	197000	19.9	**12.3**	< 25	3080	< 3	64400	595	639	1700 B	< 5	38100	< 10	< 100	< 7	50.9
MW-EPA-4	11/19/2009	< 200	< 10	< 10	208	< 5	< 2	198000	**221**	1.8 B	5.2 B	712	< 3	49400	81.6	249	6810	< 5	834000	< 10	27.3 B	< 7	< 20
UAW01-30	11/12/2009	< 200	< 10	**17.9**	290	< 5	< 2	247000	**115**	< 7	< 25	6580	< 3	50100	397	31.7 B	19700	< 5	644000	< 10	11.5 B	< 7	20 U
UAW01-80	11/12/2009	< 200	< 10	< 10	272	< 5	< 2	94400	< 5	< 7	< 25	8060	< 3	24900	424	< 40	1790 B	< 5	53500	< 10	< 100	< 7	20 U
UAW02-20	11/12/2009	< 200	< 10	< 10	173 B	< 5	< 2	217000	3.1 B	< 7	< 25	3160	< 3	45800	423	13 B	3130 B	< 5	452000	< 10	94.1 B	< 7	20 U
UAW02-40 dup	11/12/2009	< 200	< 10	< 10	118 B	< 5	< 2	115000	< 5	< 7	< 25	4340	< 3	35800	592	< 40	1750 B	< 5	37800	10 U	< 100	< 7	20 U
UAW02-40	11/12/2009	< 200	< 10	< 10	117 B	< 5	< 2	115000	< 5	< 7	< 25	4190	< 3	35800	588	< 40	1760 B	< 5	37600	< 10	< 100	< 7	20 U
UAW03-20	11/16/2009	1490	< 10	**10.3**	137 B	< 5	< 2	271000	11.3	3.6 B	13 B	5620	7.1	49700	**1260**	68.2	9500	< 5	517000	7.2 B	2150	**17.7**	82.8
UAW04-20	11/16/2009	< 200	**56.6**	**67.9**	202	< 5	< 2	229000	< 5	< 7	< 25	8570	< 3	45900	**1610**	8.6 B	7560	< 5	311000	< 10	179	3.9 B	< 20
UAW05-20	11/17/2009	< 200	8 B	< 10	92.3 B	< 5	< 2	268000	**770**	**33.5**	< 25	**50700**	< 3	51300	**1620**	**3600**	7010	< 5	465000	6.8 B	891	< 7	< 20
UAW06-20	11/17/2009	< 200	< 10	4.4 B	91.9 B	< 5	< 2	225000	< 5	< 7	< 25	168	< 3	39300	**1100**	6.8 B	6480	< 5	349000	< 10	1340	**10.3**	20 U
UAW07-20	11/16/2009	< 200	< 10	< 10	82 B	< 5	< 2	375000	12.6	< 7	< 25	326	< 3	61800	**1130**	4 B	11000	< 5	559000	< 10	551	1.7 B	20 U
UAW08-20	11/16/2009	< 200	4.1 B	**32.1**	93.6 B	< 5	< 2	922000	23.2	< 7	< 25	< 100	< 3	140000	332	4 B	18300	< 5	907000	5.1 B	6890	5.1 B	20 U
UAW09-20	11/18/2009	< 200	< 10	< 10	45.7 B	< 5	< 2	77900	27.1	< 7	< 25	202	< 3	20700	6.7 B	48.5	1450 B	< 5	50900	< 10	< 100	< 7	< 20
UAW09-60	11/18/2009	< 200	< 10	5.4 B	290	< 5	< 2	105000	< 5	< 7	< 25	< 100	< 3	36500	154	< 40	1280 B	< 5	14200	5 B	< 100	< 7	< 20
UAW10-50 dup	11/20/2009	97.3 B	< 10	< 10	42.4 B	< 5	< 2	173000	< 5	< 7	< 25	140	< 3	57400	390	5.1 B	2070 B	< 5	35700	< 10	< 100	< 7	20 U
UAW10-50	11/20/2009	113 B	< 10	< 10	42.6 B	< 5	< 2	173000	< 5	< 7	< 25	112	< 3	57600	389	4.8 B	2110 B	< 5	35700	< 10	< 100	< 7	20 U
UAW10-80	11/20/2009	< 200	< 10	9.1 B	229	< 5	< 2	105000	< 5	< 7	< 25	6810	< 3	34500	235	< 40	1290 B	< 5	11100	< 10	< 100	< 7	20 U
UAW11-10	11/18/2009	< 200	< 10	**14.9**	105 B	< 5	< 2	163000	< 5	< 7	< 25	1320	< 3	32300	**3790**	7 B	5390	< 5	583000	< 10	752	1.5 B	< 20
UAW11-40	11/18/2009	< 200	< 10	< 10	23.4 B	< 5	< 2	262000	35.2	4.1 B	< 25	708	< 3	60800	**883**	35.5 B	5440	< 5	255000	< 10	34 B	< 7	20 U
UAW12-20	11/19/2009	< 200	< 10	< 10	51.4 B	< 5	< 2	735000	60.5	< 7	18.2 B	1180	< 3	53200	**3490**	22.3 B	11200	< 5	859000	< 10	127	1.9 B	23.3
UAW13-20	11/19/2009	< 200	< 10	**27.6**	5.4 B	< 5	< 2	787000	34.5	< 7	< 25	< 100	< 3	85200	**2740**	10.1 B	7960	< 5	651000	5.4 B	1690	**7.6**	20 U
UAW14-10	11/24/2009	< 200	< 10	< 10	76.8 B	< 5	< 2	106000	< 5	< 7	< 25	910	< 3	28900	30.1	< 40	1430 B	< 5	30600	< 10	5.2 B	< 7	< 20
UAW15-20	11/11/2009	< 200	< 10	< 10	524	< 5	< 2	404000	**246**	**20.9**	17.7 B	3730	< 3	106000	233	822	5870 J	< 5	1530000	10 U	154	< 7	20 U
UAW15-50	11/11/2009	< 200	< 10	**42.7**	351	< 5	< 2	128000	< 5	< 7	< 25	5760	< 3	48700	**899**	31.6 B	3810 B	< 5	87900	< 10	827	< 7	20 U
UAW16-10	11/20/2009	< 200	< 10	< 10	36.9 B	< 5	< 2	254000	< 5	< 7	< 25	1000	< 3	32100	**2040**	4.3 B	4940 B	< 5	213000	< 10	567	1.1 B	< 20
UAW17-40	11/13/2009	< 200	< 10	5 B	165 B	< 5	< 2	99900	< 5	< 7	< 25	1620	< 3	29600	309	< 40	834 B	< 5	9200	< 10	< 100	< 7	< 20
UAW18-20	11/24/2009	< 200	< 10	4.4 B	489	< 5	< 2	343000	< 5	< 7	< 25	11400	< 3	67900	**4690**	23.9 B	6730	< 5	1040000	< 10	1260	< 7	< 20
UAW19-80	11/23/2009	< 200	< 10	< 10	67.7 B	< 5	< 2	180000	< 5	< 7	< 25	< 100	< 3	52600	13.7 B	< 40	1700 B	< 5	65700	< 10	< 100	< 7	< 20
UAW20-60	11/23/2009	< 200	< 10	< 10	23.3 B	< 5	< 2	204000	< 5	< 7	< 25	94.1 B	< 3	69400	68.4	4.7 B	2040 B	< 5	75000	< 10	4.8 B	< 7	< 20
UAW21-30	11/13/2009	< 200	< 10	< 10	58.4 B	< 5	< 2	95800	**201**	9	6 B	2500	< 3	23600	121	249	3540 B	< 5	86800	10 U	3.7 B	< 7	< 20
UAW21-80	11/13/2009	< 200	< 10	**43.8**	214	< 5	< 2	135000	< 5	< 7	< 25	2500	< 3	42300	768	6.8 B	1160 B	< 5	50700	< 10	< 100	< 7	< 20
UAW22-20	11/11/2009	< 200	< 10	< 10	150 B	< 5	< 2	232000	< 5	< 7	5.7 B	12600	< 3	42500	**8110**	3.4 B	6930	< 5	1490000	< 10	198	< 7	13.7 B
UAW23-20	11/24/2009	< 200	< 10	7.9 B	72.5 B	< 5	< 2	312000	**671**	6.1 B	< 25	10500	< 3	67800	148	310	20100	20	108000	< 10	< 100	2.9 B	< 20
UAW24-70	11/24/2009	< 200	< 10	**21.6**	176 B	< 5	< 2	79800	< 5	< 7	< 25	1140	< 3	32600	95.6	< 40	1760 B	< 5	34200	< 10	< 100	< 7	< 20
UAW25-20	11/12/2009	< 200	< 10	**14.7**	247	< 5	< 2	266000	11.6	< 7	< 25	8780	< 3	54700	**1460**	13.4 B	3690 B	< 5	448000	10 U	129	< 7	< 20
UAW26-70	11/19/2009	131 B	< 10	5.9 B	245	< 5	< 2	133000	< 5	< 7	< 25	3190	< 3	43800	279	< 40	1530 B	< 5	30800	< 10	< 100	< 7	20 U

Table 4
Inorganic Compound Analytical Results - 2009 Sampling Event
Rohm and Haas Cincinnati Plant

Location	Sample Date	ALUMINUM	ANTIMONY	ARSENIC	BARIUM	BERYLLIUM	CADMIUM	CALCIUM	CHROMIUM, TOTAL	COBALT	COPPER	IRON	LEAD	MAGNESIUM	MANGANESE	NICKEL	POTASSIUM	SELENIUM	SODIUM	THALLIUM	TIN	VANADIUM	ZINC
		ANALYTES (µg/L)																					
Groundwater MCL/RSL		37,000	6.0	10	2,000	4.0	5.0	NE	100	11	1,300	26,000	15	NE	880	730	NE	50	NE	2.0	22,000	2.6	11,000
UAW27-50	11/11/2009	< 200	< 10	< 10	46.3 B	< 5	< 2	200000	< 5	< 7	< 25	< 100	< 3	58100	26	< 40	1620 B	< 5	37200	< 10	< 100	< 7	< 20
LAW05-150	11/17/2009	1570	< 10	4.5 B	65.8 B	< 5	1.4 B	32400	13.2	< 7	7.6 B	2510	2.7 B	1460 B	69.9	< 40	6270	< 5	56400	< 10	27.2 B	5.8 B	40.1 U
LAW05-60	11/17/2009	1210	< 10	5.5 B	135 B	< 5	< 2	119000	3.3 B	< 7	< 25	1840	4.3	34300	**1000**	6 B	2420 B	< 5	43600	< 10	17.2 B	1.3 B	27.2 U
LAW12-60	11/19/2009	123 B	< 10	< 10	67.2 B	< 5	1.8 B	64400	< 5	< 7	< 25	460	< 3	24800	429	3.5 B	17200	< 5	218000	< 10	9.5 B	2.5 B	20 U
20091117CINEB-1	11/17/2009	< 200	< 10	< 10	< 200	< 5	< 2	5000 U	< 5	< 7	< 25	< 100	< 3	< 5000	< 15	< 40	5000 U	< 5	< 5000	< 10	< 100	< 7	20 U
20091120CINFB-1	11/20/2009	< 200	< 10	< 10	< 200	< 5	< 2	< 5000	< 5	< 7	< 25	< 100	< 3	< 5000	< 15	< 40	< 5000	< 5	< 5000	< 10	< 100	< 7	< 20
20091123CINEB-1	11/23/2009	< 200	< 10	< 10	< 200	< 5	< 2	< 5000	< 5	< 7	< 25	< 100	< 3	< 5000	< 15	< 40	5000 U	< 5	< 5000	< 10	< 100	< 7	< 20

Note: Only detected compounds are included in the table.
Bold indicates concentrations above the applicable drinking water standard.
MCL = Maximum contaminant level; RSL = Regional screening level for tapwater; NE = None established
The MCL is presented. If no MCL available, then the RSL is shown.
The non-shaded table cells are detections exceeding the analyte reporting limits.
Metals bottles for the field duplicate from UAW10-50 and the field blank collected on 11-20 were suspected to be switched in error. Corrected values are shown on this table.
"J" flag indicates and estimated value detected below the method reporting limit.
"U" flag indicates a detected concentration qualified as undetected during data review due to contamination of an associated method blank or trip blank.
"B" flag indicates the anyalyte was also detected in the asociated method blank.
NE = Not established

Table 5
Summary of 2009 VOC Results Exceeding Historical Range
Rohm and Haas Cincinnati Plant

Well Location	Analyte	2009 Concentration (µg/L)		Historical Concentration Range (µg/L)	
		New Min.	New Max.	Historical Min	Historical Max
MW-EPA-1	1,3-DICHLOROBENZENE		58 J	33 J	57 J
MW-EPA-1	1,4-DICHLOROBENZENE		430	160	400
MW-EPA-2	BENZENE		1.2 J	0.89 J B	0.89 J B
MW-EPA-2	CHLOROFORM	0.63 J		0.81 J	41
UAW01-30	BENZENE	0.42 J		1 U	1 U
UAW01-30	DICHLORODIFLUOROMETHANE (CFC-12)		0.51 J	0.38 J	0.41 J
UAW01-80	VINYL CHLORIDE		6.8	1.4 J	4.4
UAW02-40	1,1-DICHLOROETHANE	12		14	28
UAW02-40	CIS-1,2-DICHLOROETHYLENE	30		35	62
UAW02-40	VINYL CHLORIDE	0.44 J		0.51 J	0.78 J
UAW03-20	1,2-DICHLOROETHANE	0.87 J		1.2 J	14
UAW03-20	CYCLOHEXANE	0.53 J		0.65 J	0.9 J
UAW04-20	1,1-DICHLOROETHANE		0.48 J	0.29 J	0.29 J
UAW04-20	1,3-DICHLOROBENZENE	0.15 J		1 U	140 U
UAW04-20	1,4-DICHLOROBENZENE		0.9 J	0.74 J	0.74 J
UAW04-20	BENZENE	0.33 J		0.88 J	87 J B
UAW04-20	CHLOROBENZENE		3.6	2 J	3
UAW04-20	XYLENES, TOTAL	0.58 J		6.6 J	200 J
UAW05-20	1,3-DICHLOROBENZENE		29	5.1 J	20
UAW05-20	1,3-DICHLOROBENZENE		29	5.1 J	20 J
UAW05-20	1,4-DICHLOROBENZENE		220	44	180
UAW05-20	ETHYLBENZENE		18 J	4 J	4 J
UAW05-20	TOLUENE	3.9 J		130 J	130 J
UAW05-20	XYLENES, TOTAL		24	10 J	10 J
UAW06-20	1,1-DICHLOROETHANE	0.79 J		1.2 J	2.2 J
UAW06-20	BENZENE	0.96 J		1.2 J	1.7 J B
UAW06-20	CARBON DISULFIDE	0.78 J		1.7 J	3.6 J
UAW06-20	CIS-1,2-DICHLOROETHYLENE		0.46 J	0.44 J	0.44 J
UAW06-20	ETHYLBENZENE	0.27 J		1.3 J	1.6 J
UAW06-20	ISOPROPYLBENZENE (CUMENE)	0.22 J		4.1	4.1
UAW07-20	CARBON DISULFIDE		20	0.67 J	7.1
UAW07-20	ETHYLBENZENE	1.6 J		2.2 J	5.6
UAW07-20	TOLUENE		4.5 J	1.2 J	3.6
UAW08-20	CHLOROBENZENE		87	36	74
UAW08-20	CYCLOHEXANE		9.7	1.9 J	8.5
UAW08-20	1,1-DICHLOROETHANE	1.1 J		6.7 U	100 U
UAW08-20	ETHYLBENZENE		68	30	62
UAW08-20	METHYLCYCLOHEXANE		52	8 J	46
UAW08-20	XYLENES, TOTAL		280	130	270
UAW09-20	BROMODICHLOROMETHANE		1.8	0.2 J	1.3
UAW09-20	CHLOROFORM		12	0.36 J	2.7
UAW10-50	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.89 J		0.93 J	3.2 J
UAW10-50	1,1-DICHLOROETHENE	0.63 J		0.74 J	3.4
UAW10-50	1,2-DICHLOROETHANE	2.6		4.6	420
UAW10-50	CHLOROFORM	2.7		3	68
UAW10-50	VINYL CHLORIDE	0.27 J		0.43 J	0.43 J
UAW11-10	1,1-DICHLOROETHANE	0.7 J		1.1	10
UAW11-10	BENZENE	0.49 J		0.89 J	1.1 J
UAW11-10	CIS-1,2-DICHLOROETHYLENE	0.35 J		0.77	4.5
UAW11-10	ETHYLBENZENE	0.21 J		0.8 J	0.8 J
UAW11-10	VINYL CHLORIDE	0.56 J		0.86 J	0.99 J
UAW11-40	1,1,1-TRICHLOROETHANE	4.1		4.2	15
UAW11-40	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.49 J		0.61 J	1.4
UAW11-40	1,1-DICHLOROETHANE	3.3		4	10
UAW11-40	1,2-DICHLOROETHANE	3.5		4.6	160
UAW11-40	CHLOROFORM	0.27 J		0.3 J	3.5 J

Table 5
Summary of 2009 VOC Results Exceeding Historical Range
Rohm and Haas Cincinnati Plant

Well Location	Analyte	2009 Concentration (µg/L)		Historical Concentration Range (µg/L)	
		New Min.	New Max.	Historical Min	Historical Max
UAW11-40	CIS-1,2-DICHLOROETHYLENE	4.3		5.1	12
UAW11-40	TRICHLOROETHYLENE (TCE)	1.6		1.7	2.6 J
UAW12-20	1,3-DICHLOROBENZENE		49	25 J	46 J
UAW12-20	CHLOROBENZENE	380		860	2600
UAW13-20	1,2-DICHLOROBENZENE		150	49 J	120
UAW13-20	BENZENE	11		12	26 B
UAW13-20	CARBON DISULFIDE	84		95	410
UAW13-20	ETHYLBENZENE		5.5	3 J	5.1 J
UAW15-20	BENZENE	0.52 J		1 U	8 U
UAW15-20	BROMODICHLOROMETHANE	0.2 J		0.41 J	0.78 J
UAW15-50	BENZENE	0.69 J		0.72 J	2.8 J
UAW15-50	CHLOROBENZENE	8.8		17	34
UAW15-50	METHYL ISOBUTYL KETONE	1.5 J		5.2 J	18 J
UAW15-50	TOLUENE	0.23 J		0.44 J	230
UAW16-10	1,4-DICHLOROBENZENE	4.8		5.2	12
UAW17-40	BENZENE	0.48 J		1 U	1 U
UAW18-20	TRICHLOROETHYLENE (TCE)	0.32 J		1 U	2 U
UAW19-80	BENZENE		1 J	0.29 J B	0.29 J B
UAW19-80	TRANS-1,2-DICHLOROETHENE		0.58 J	0.34 J	0.56 J
UAW19-80	1,2,4-TRICHLOROBENZENE	0.35 J		1 U	1.4 U
UAW20-60	1,1,1-TRICHLOROETHANE	11 J		31 J	98
UAW20-60	1,1,2-TRICHLOROETHANE		9.5 J	3.4 J	4.2 J
UAW20-60	BENZENE		16 J	9.3 J B	9.3 J B
UAW20-60	CIS-1,2-DICHLOROETHYLENE	26		44	100
UAW20-60	1,2-DIBROMOETHANE	7.2 J		40 U	67 U
UAW20-60	TETRACHLOROETHYLENE(PCE)		130	17	93
UAW21-30	CHLOROFORM		1.9	0.23 J	0.6 J
UAW21-30	TETRACHLOROETHYLENE(PCE)		9.8	0.22 J	2
UAW21-80	VINYL CHLORIDE		0.26 J	0.22 J	0.22 J
UAW22-20	1,1-DICHLOROETHANE	3.7		3.9	66
UAW22-20	1,4-DICHLOROBENZENE		11	6.3 J	10 J
UAW23-20	1,1,2-TRICHLOROETHANE	1.9		2.2	6.3 J
UAW23-20	1,1-DICHLOROETHENE	0.19 J		0.38 J	2.8
UAW23-20	1,2-DICHLOROETHANE	0.28 J		0.32 J	660
UAW23-20	CIS-1,2-DICHLOROETHYLENE	4.1		4.2	25
UAW25-20	1,2-DICHLOROBENZENE		14	5.6 J	13
UAW25-20	DICHLORODIFLUOROMETHANE (CFC-12)	0.48 J		1 U	1 U
UAW27-50	1,1,1-TRICHLOROETHANE		9.1	0.98 J	7.2
UAW27-50	1,1,2-TRICHLOROETHANE		0.34 J	0.27 J	0.27 J
UAW27-50	1,2-DICHLOROETHANE		0.76 J	0.4 J	0.64 J
UAW27-50	CHLOROFORM		0.77 J	0.33 J	0.51 J
UAW27-50	CIS-1,2-DICHLOROETHYLENE		18	5.2	17
UAW27-50	TRANS-1,2-DICHLOROETHENE		0.67	0.22 J	0.66
LAW05-150	1,2-DICHLOROBENZENE	0.15 J		10 U	10 U
LAW05-150	1,4-DICHLOROBENZENE	0.13 J		10 U	10 U
LAW05-150	CARBON DISULFIDE	0.23 J		20 U	20 U
LAW12-60	1,2-DICHLOROBENZENE	0.33 J		10 U	10 U

J = Estimated result. Value is less than reporting limit.
B = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
U = Compound not detected at the reporting limit.

Table 6
Summary of 2009 SVOC Results Exceeding Historical Range
Rohm and Haas Cincinnati Plant

Well Location	Analyte	2009 Concentration (µg/L)		Historical Concentration Range (µg/L)	
		New Min.	New Max.	Historical Min	Historical Max
MW-EPA-1	2-CHLOROPHENOL	14 J		15 J	16 J
MW-EPA-1	BENZALDEHYDE		19 J	3.2 J	3.2 J
MW-EPA-1	PHENOL	8.5 J		10 U	500 U
UAW05-20	BENZALDEHYDE		7.2 J	1.7 J	5.5 J
UAW11-10	CAPROLACTAM	1.4 J		16 J	19 J
UAW12-20	2-CHLOROPHENOL	1.7 J		4.1 J	5.8 J
UAW12-20	2,4-DICHLOROPHENOL	1.2 J		10 U	500 U
UAW12-20	ANILINE		6.9 J	4.3 J	4.6 J
UAW13-20	2-METHYLNAPHTHALENE	4.3 J		5.4 J	18 J
UAW15-50	CAPROLACTAM	1.5 J		27 J	27 J

J = Estimated result. Value is less than reporting limit.
B = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
U = Compound not detected at the reporting limit.

Table 7
Summary of Select 2009 Metal Results Exceeding Historical Range
Rohm and Haas Cincinnati Plant

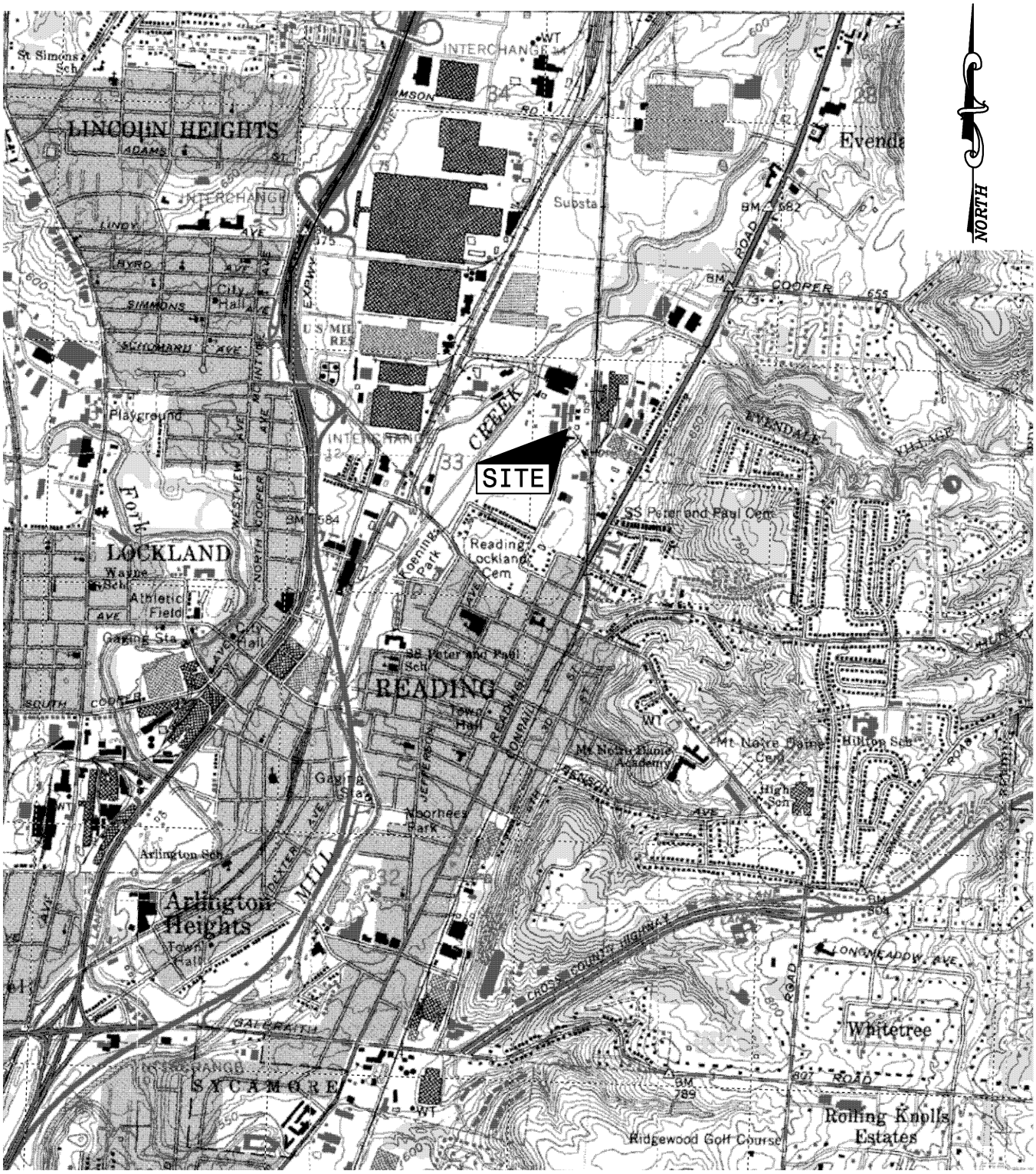
Well Location	Analyte	2009 Concentration (µg/L)		Historical Concentration Range (µg/L)	
		New Min.	New Max.	Historical Min	Historical Max
MW-EPA-1	ALUMINUM		1030	69.4 B	409
MW-EPA-1	BARIUM		657	145 B	434 J
MW-EPA-1	CHROMIUM, TOTAL		244	9.8	73 J
MW-EPA-1	COPPER		15.3 B	3 B	5.7 B
MW-EPA-1	MANGANESE	133		177 J	741 J
MW-EPA-2	TIN		168	9.5 B	149
MW-EPA-3	NICKEL		639	24.4 B	159
MW-EPA-4	MANGANESE	81.6		129 J	353 J
MW-EPA-4	TIN		27.3 B	6.5 B	6.5 B
UAW01-30	CHROMIUM, TOTAL		115	7.7	97.3
UAW01-30	TIN	11.5 B		12.8 B	30.8 B
UAW01-80	MANGANESE	424		428	563
UAW03-20	NICKEL		68.2	5.2 B	59.6
UAW04-20	TIN	179		283	2270
UAW05-20	CHROMIUM, TOTAL		770	2 B	421
UAW05-20	IRON		50700	637	10600
UAW05-20	MANGANESE		1620	636 J	1310
UAW05-20	NICKEL		3600	4.3 B	662
UAW06-20	ARSENIC	4.4 B		5.8 B	34.3
UAW06-20	IRON	168		178	4210
UAW06-20	NICKEL	6.8 B		7 B	29.6 B
UAW08-20	ARSENIC	32.1		36.2	200
UAW08-20	NICKEL	4 B		4.3 B	118
UAW08-20	THALLIUM	5.1 B		5.9 B	9.8 B
UAW09-20	BARIUM	45.7 B		64.6 B	363
UAW09-60	THALLIUM	5 B		5.3 B	7.7 B
UAW10-50	BARIUM	42.6 B		49.6 B	385
UAW10-50	IRON	112		346	49200
UAW10-80	MANGANESE	235		277 J	3560 J
UAW11-40	BARIUM	23.4 B		24.4 B	56.3 B
UAW11-40	MANGANESE	883		903	1570
UAW11-40	NICKEL	35.5 B		49.3	383
UAW12-20	CHROMIUM, TOTAL		60.5	1.7 B	3.1 B
UAW12-20	MANGANESE	3490		4820 J	9570 J
UAW12-20	NICKEL		22.3 B	2.5 B	18.2 B
UAW13-20	BARIUM	5.4 B		6.3 B	27.4 B
UAW13-20	NICKEL	10.1 B		10.4 B	23.2 B
UAW14-10	TIN		5.2 B	4.7 B	4.7 B
UAW15-20	CHROMIUM, TOTAL		246	2 B	106
UAW15-20	IRON		3730	156	865
UAW15-20	NICKEL		822	55.1	415
UAW15-50	ARSENIC	42.7		44.3	91.6
UAW15-50	BARIUM	351		382 J	1090
UAW15-50	MANGANESE		899	543	834
UAW15-50	NICKEL	31.6 B		39 B	130
UAW15-50	TIN	827		1200	2400
UAW16-10	NICKEL	4.3 B		6.8 B	24.3 B
UAW16-10	TIN	567		602	2000
UAW18-20	ARSENIC	4.4 B		4.6 B	32.3
UAW18-20	IRON		11400	1120	5340
UAW20-60	NICKEL	4.7 B		4.8 B	38.2 B
UAW20-60	TIN	4.8 B		7.3 B	547
UAW21-30	TIN	3.7 B		6.8 B	19.4 B
UAW22-20	NICKEL	3.4 B		11.4 B	78.1
UAW23-20	ARSENIC		7.9 B	3 B	3 B
UAW23-20	BARIUM		72.5 B	19.9 B J	38.2 B
UAW23-20	IRON		10500	109	8010

Table 7
Summary of Select 2009 Metal Results Exceeding Historical Range
Rohm and Haas Cincinnati Plant

Well Location	Analyte	2009 Concentration (µg/L)		Historical Concentration Range (µg/L)	
		New Min.	New Max.	Historical Min	Historical Max
UAW24-70	ARSENIC		21.6	4.5 B	15.4
UAW24-70	MANGANESE	95.6		115	245 J
UAW25-20	NICKEL	13.4 B		13.7 B	128
UAW25-20	TIN	129		130	188
UAW27-50	BARIUM	46.3 B		48.7 B	138 B

B = Estimated result. Value is less than reporting limit.
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level.

FIGURES



2000 1000 0 2000

SCALE IN FEET

CINCINNATI EAST, OHIO QUADRANGLE
LATITUDE: 39° 14' 03" N
LONGITUDE: 84° 26' 16" W

444493.01000
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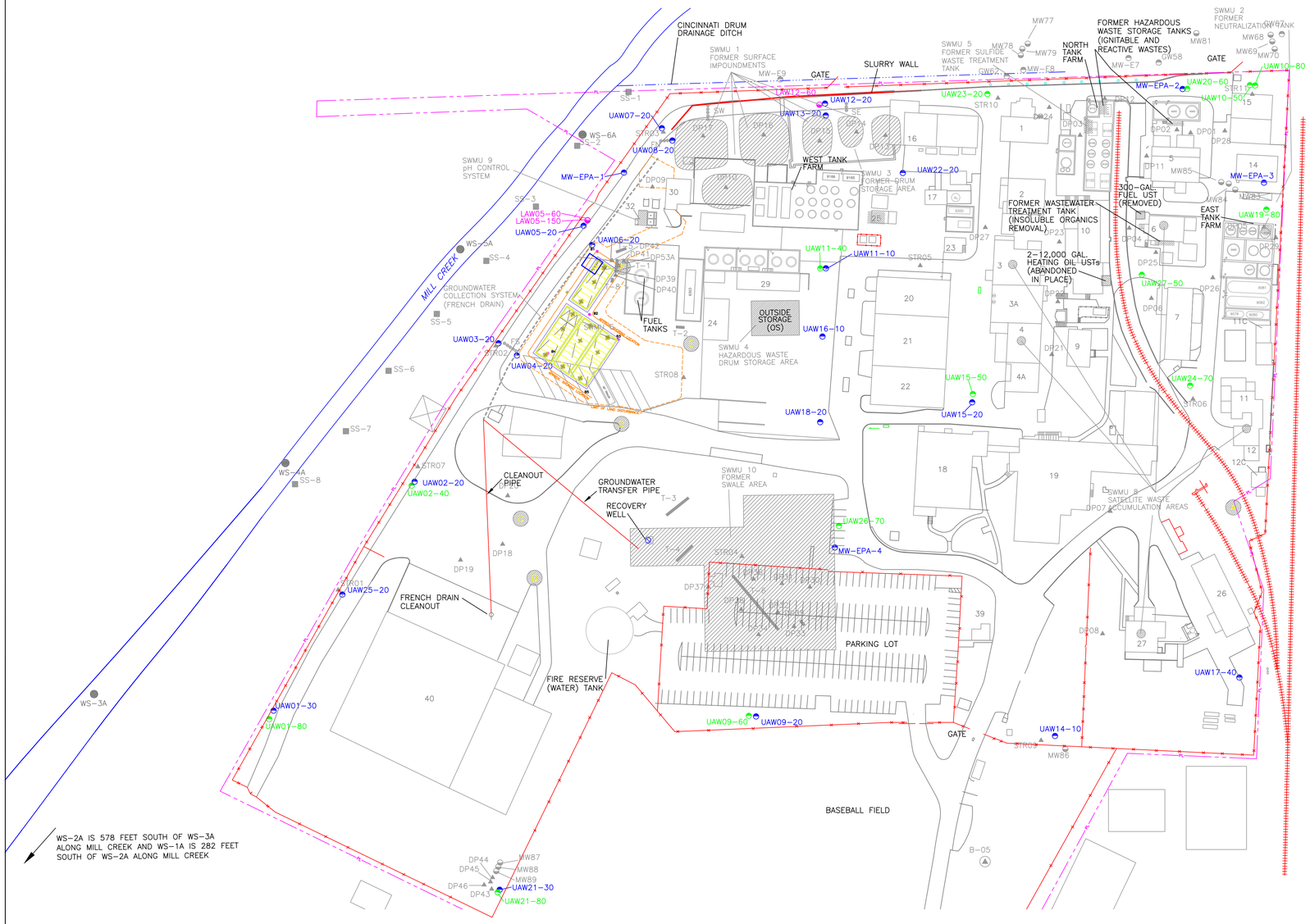
ROHM AND HAAS CHEMICALS LLC
CINCINNATI, OHIO PLANT

FIGURE 1

SITE
LOCATION
MAP

PARSONS

2443 CROWNE POINT DRIVE, CINCINNATI, OHIO 45241



0 80 160
APPROXIMATE SCALE (FEET)

N

EXPLANATION

- UAW11-10 — UPPER AQUIFER MONITORING WELL LOCATION COMPLETED IN SHALLOW SAND (SHALLOW UPPER AQUIFER WELL)
- UAW11-40 — UPPER AQUIFER MONITORING WELL LOCATION COMPLETED IN LOWER SAND (DEEP UPPER AQUIFER WELL)
- LAW12-60 — LOWER AQUIFER MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- STR09 — SOIL BORING LOCATION AND IDENTIFICATION NUMBER
- T-3 — TRENCH LOCATION
- MW-EPA-1 — UPPER AQUIFER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (PRC, 1993)
- WS-3A — SURFACE WATER SAMPLE LOCATION
- SW — FRENCH DRAIN AND SLURRY WALL LOCATION SOIL BORING SERIES
- ROHM AND HAAS FACILITY PROPERTY BOUNDARY
- SS-2 — STREAM STATION LOCATION
- B-05 — BACKGROUND SAMPLE LOCATION
- GW50 — PRISTINE SHALLOW AQUIFER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW71 — PRISTINE LOWER AQUIFER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- IMPOUNDMENT – (FROM 1960 AERIAL PHOTO)
- LOCATION OF REPORTED WASTE BURIAL

Base Map Source: Abercrombie & Associates, Inc., May 2001
Pre-2006 Data Source: Geomatrix, March 2006

ROHM AND HAAS CHEMICALS LLC
CINCINNATI, OHIO PLANT

FIGURE 2

SITE MAP

PARSONS
2443 CROWNE POINT DRIVE, CINCINNATI, OHIO 45241

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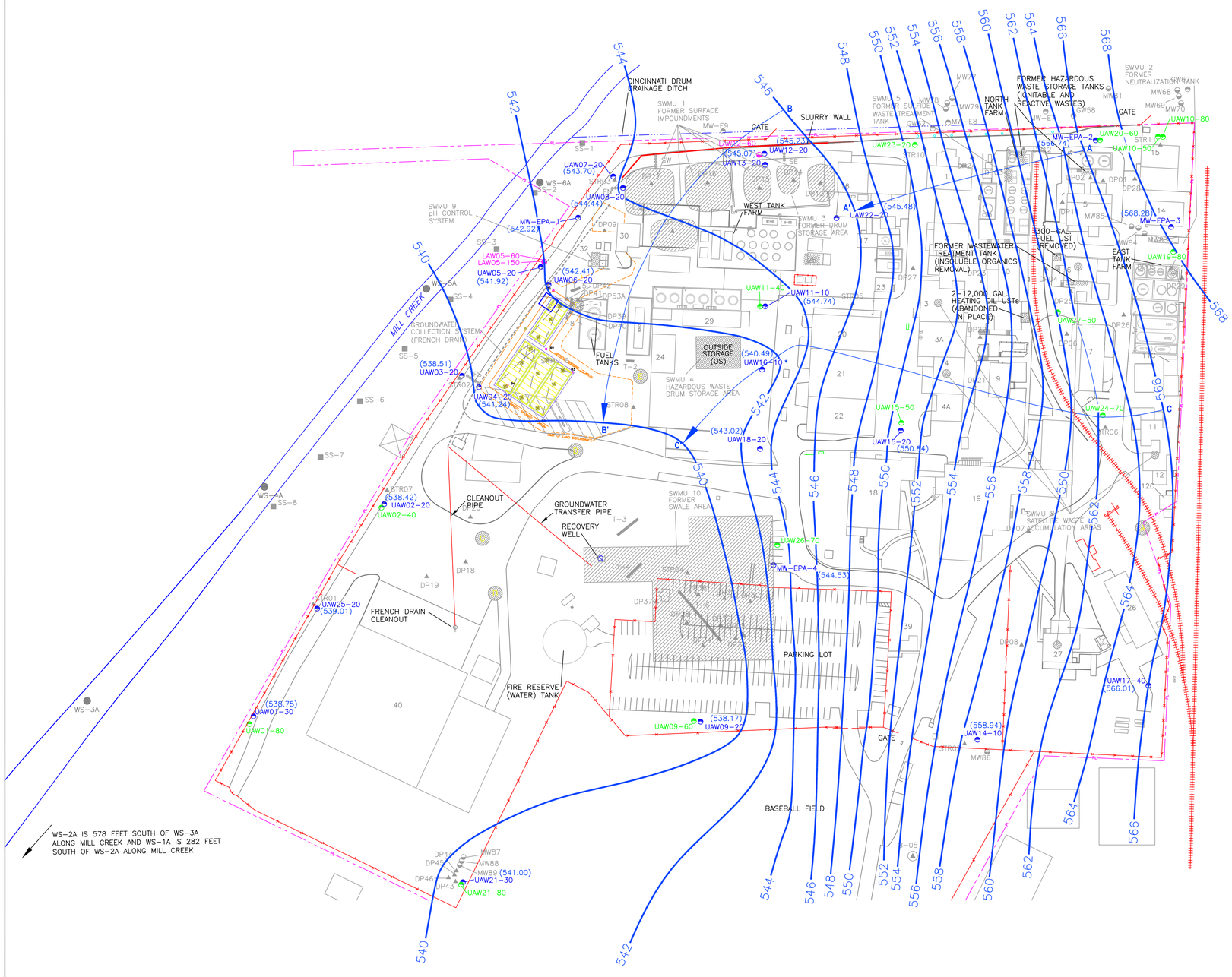

0 80 160
APPROXIMATE SCALE (FEET)

N

EXPLANATION

- UAW11-10 — UPPER AQUIFER MONITORING WELL LOCATION COMPLETED IN SHALLOW SAND (SHALLOW UPPER AQUIFER WELL)
- UAW11-40 — UPPER AQUIFER MONITORING WELL LOCATION COMPLETED IN LOWER SAND (DEEP UPPER AQUIFER WELL)
- LAW12-60 — LOWER AQUIFER MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- STR09 — SOIL BORING LOCATION AND IDENTIFICATION NUMBER
- T-3 — TRENCH LOCATION
- MW-EPA-1 — UPPER AQUIFER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (PRC, 1993)
- WS-3A — SURFACE WATER SAMPLE LOCATION
- SW — FRENCH DRAIN AND SLURRY WALL LOCATION SOIL BORING SERIES
- ROHM AND HAAS FACILITY PROPERTY BOUNDARY
- SS-2 — STREAM STATION LOCATION
- B-05 — BACKGROUND SAMPLE LOCATION
- GW50 — PRISTINE SHALLOW AQUIFER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW71 — PRISTINE LOWER AQUIFER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- IMPOUNDMENT – (FROM 1960 AERIAL PHOTO)
- LOCATION OF REPORTED WASTE BURIAL

- POTENTIOMETRIC CONTOUR INTERVAL (2.0 FOOT)
- GROUNDWATER FLOW DIRECTION

* MONITORING WELL UAW16-10 WAS NOT INCLUDED IN THE DEVELOPMENT OF THE POTENTIOMETRIC CONTOURS.

HYDRAULIC GRADIENT CALCULATIONS

A — A' = $\frac{566.0 \text{ ft} - 546.0 \text{ ft}}{368.0 \text{ ft}}$ = 0.054 ft/ft

B — B' = $\frac{546.0 \text{ ft} - 540.0 \text{ ft}}{568.0 \text{ ft}}$ = 0.011 ft/ft

C — C' = $\frac{566.0 \text{ ft} - 540.0 \text{ ft}}{760.0 \text{ ft}}$ = 0.034 ft/ft

Base Map Source: Rohm and Haas, 2008
Pre-2006 Data Source: Geomatrix, March 2006

ROHM AND HAAS CHEMICALS LLC
CINCINNATI, OHIO PLANT

FIGURE 3a

GROUNDWATER POTENTIOMETRIC SURFACE MAP – SHALLOW UPPER AQUIFER (10 NOVEMBER 2009)

PARSONS
2443 CROWNE POINT DRIVE, CINCINNATI, OHIO 45241

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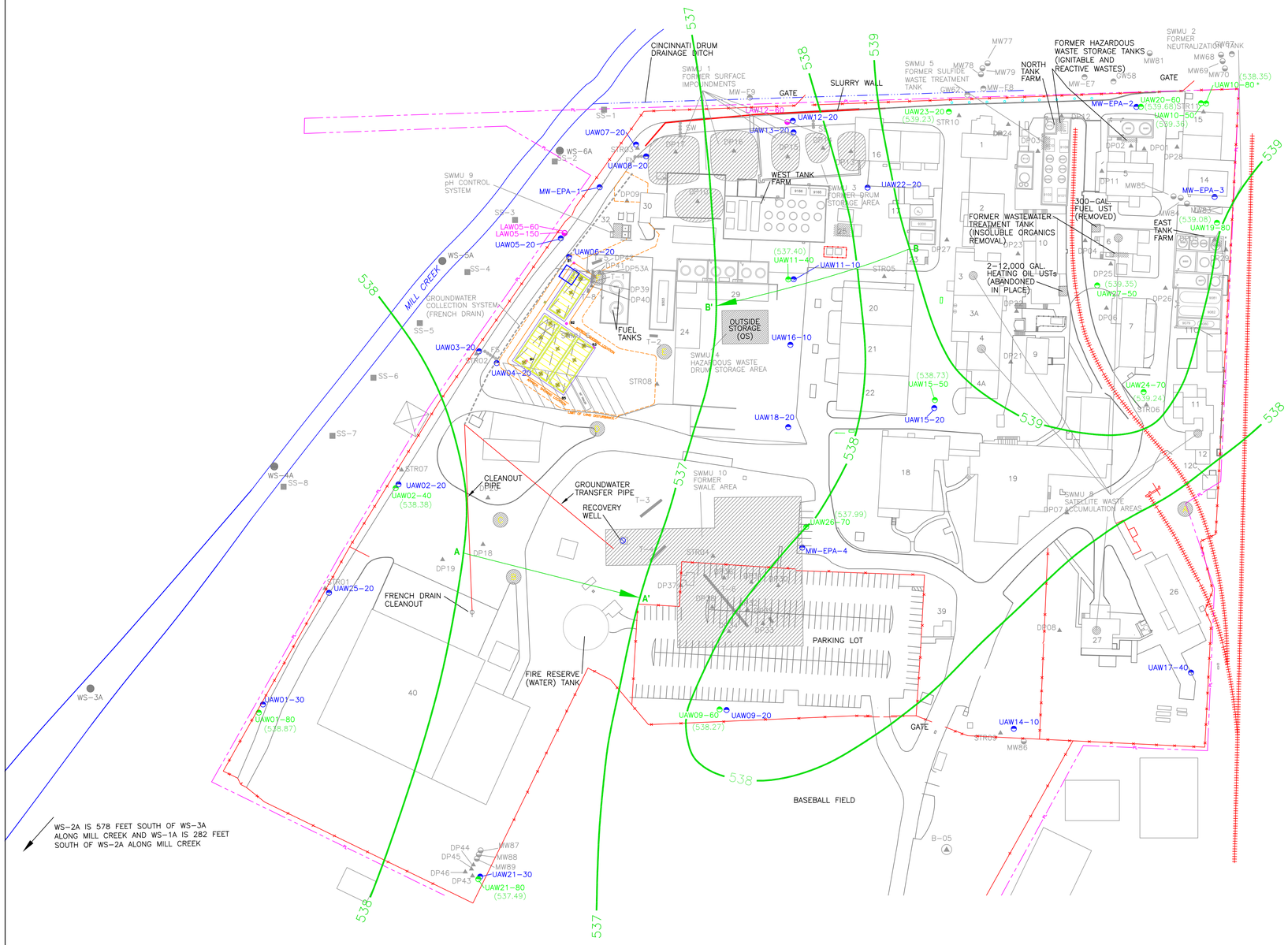

EXPLANATION

- UAW11-10 — UPPER AQUIFER MONITORING WELL LOCATION COMPLETED IN SHALLOW SAND (SHALLOW UPPER AQUIFER WELL)
- UAW11-40 — UPPER AQUIFER MONITORING WELL LOCATION COMPLETED IN LOWER SAND (DEEP UPPER AQUIFER WELL)
- LAW12-60 — LOWER AQUIFER MONITORING WELL LOCATION
- RECOVERY WELL LOCATION
- STR09 — SOIL BORING LOCATION AND IDENTIFICATION NUMBER
- T-3 — TRENCH LOCATION
- MW-EPA-1 — UPPER AQUIFER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (PRC, 1993)
- WS-3A — SURFACE WATER SAMPLE LOCATION
- SW — FRENCH DRAIN AND SLURRY WALL LOCATION SOIL BORING SERIES
- ROHM AND HAAS FACILITY PROPERTY BOUNDARY
- SS-2 — STREAM STATION LOCATION
- B-05 — BACKGROUND SAMPLE LOCATION
- GW50 — PRISTINE SHALLOW AQUIFER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- MW71 — PRISTINE LOWER AQUIFER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER
- IMPOUNDMENT – (FROM 1960 AERIAL PHOTO)
- LOCATION OF REPORTED WASTE BURIAL
- POTENTIOMETRIC CONTOUR INTERVAL (1.0 FOOT)
- GROUNDWATER FLOW DIRECTION

* MONITORING WELL UAW10-80 WAS NOT INCLUDED IN THE DEVELOPMENT OF THE POTENTIOMETRIC CONTOURS.

HYDRAULIC GRADIENT CALCULATIONS

$$A \text{ — } A' = \frac{538.0 \text{ ft} - 537.0 \text{ ft}}{252.0 \text{ ft}} = 0.0040 \text{ ft/ft}$$

$$B \text{ — } B' = \frac{539.0 \text{ ft} - 537.0 \text{ ft}}{288.0 \text{ ft}} = 0.0069 \text{ ft/ft}$$

Base Map Source: Rohm and Haas, 2008
Pre-2006 Data Source: Geomatrix, March 2006

ROHM AND HAAS CHEMICALS LLC
CINCINNATI, OHIO PLANT

FIGURE 3b

GROUNDWATER POTENTIOMETRIC SURFACE MAP – DEEP UPPER AQUIFER (10 NOVEMBER 2009)

PARSONS
2443 CROWNE POINT DRIVE, CINCINNATI, OHIO 45241

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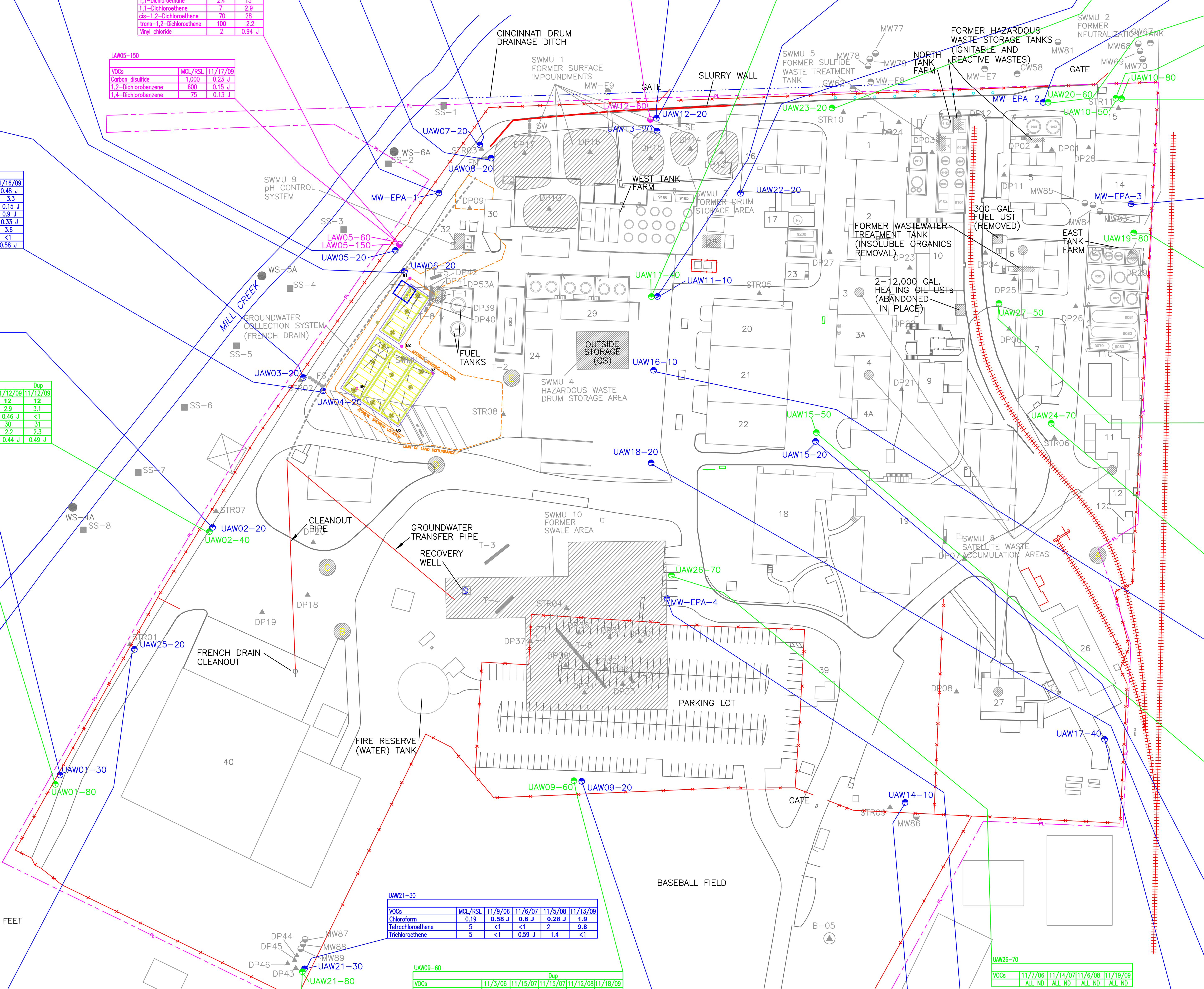


UAW05-20

			Dup		
VOCs	MCL/RSL	11/9/06	11/15/07	11/5/08	11/17/09
1,2-Dichlorobenzene	600	41	100	340	570
1,3-Dichlorobenzene	NE	5.1 J	<62	20 J	29
1,4-Dichlorobenzene	75	45	**85**	**180**	**220**
Benzene	5	<17	<62	**31 J**	**11 J**
Carbon disulfide	1,000	<17	49 J	<50	11 J
Chlorobenzene	100	**550**	**1,600**	**1,500 J**	**1,500**
Ethylbenzene	700	<17	<62	<50	18 J
4-Methyl-2-pentanone	2,000	<170	<620	29 J	<200
Methylene chloride	5	**10 J**	<62	<50	<20
Toluene	1,000	<17	<62	130 J	3.9 J
Xylenes (total)	10,000	<17	<62	<50	24

UAW08-20

					Dup	
VOCs	MCL/RSL	11/9/06	11/7/07	11/4/08	11/4/08	11/16/09
1,1-Dichloroethane	2.4	<10	<17	<6.7	<6.7	1.1 J
1,2-Dichlorobenzene	600	230	280	260	270	280
1,3-Dichlorobenzene	NE	3.9 J	5 J	4.8 J	5.2 J	5.5
1,4-Dichlorobenzene	75	22	28	27	28	31
2-Hexanone	47	<100	<170	7.3 J	<67	<50
4-Methyl-2-pentanone	2,000	44 J	37 J	78	68	53
Acetone	22,000	<100	<170	77	<75	50 U
Benzene	5	**87**	**93**	**81**	**86**	**97**
Carbon disulfide	1,000	<10	22 U	30	38	30
Chlorobenzene	100	36	54	72	74	87
Cyclohexane	13,000	1.9 J	3.4 J	8.1	8.5	9.7
Ethylbenzene	700	30	43	58	62	68
Isopropylbenzene	680	<10	<17	2.2 J	2.4 J	2.2 J
Methylcyclohexane	NE	8 J	15 J	45	46	52
Methylene chloride	5	5.7 J	<17	<6.7	<6.7	5 U
Toluene	1,000	260	430	230	240	270
Xylenes (total)	10,000	130	180	240	250	280

UAW07-20

VOCs	MCL/RSL	11/6/06	11/15/07	11/4/08	11/16/09
1,2-Dichlorobenzene	600	71	290	260	210
1,3-Dichlorobenzene	NE	1.4 J	<20	3.2 J	3.2 J
1,4-Dichlorobenzene	75	10	26	27	23
Benzene	5	3.2 J	<20	<17	3.1 J
Carbon disulfide	1,000	<5.7	<20	<17	20
Chlorobenzene	100	**160**	**530 J**	**480**	**500**
Ethylbenzene	700	3.1 J	<20	<17	1.6 J
Isopropylbenzene	680	1.1 J	<20	<17	1.6 J
Toluene	1,000	<5.7	<20	<17	4.5 J
Xylenes (total)	10,000	4.3 J	<20	<17	6.7

UAW13-20

VOCs	MCL/RSL	10/31/06	11/16/07	11/6/08	11/19/09
1,2-Dichlorobenzene	600	66	88	120	150
1,4-Dichlorobenzene	75	11	14	20 J	20
2-Butanone	7,100	<100	<120	110 J B	<40
4-Methyl-2-pentanone	2,000	8.5 J	15 J	37 J	9.3 J
Acetone	22,000	<100	130 U	<670	150
Benzene	5	**15**	**12**	<67	**11**
Carbon disulfide	1,000	95	140	100	84
Chlorobenzene	100	39	58	64 J	44
Ethylbenzene	700	3 J	5.1 J	<67	5.5
Toluene	1,000	13	42	1700	18
Vinyl chloride	2	<10	**2.8 J**	<67	<4
Xylenes (total)	10,000	6.1 J	9.2 J	<67	11

UAW12-20

VOCs	MCL/RSL	11/6/06	11/16/07	11/6/08	11/19/09
1,2-Dichlorobenzene	600	310	260	360	**670**
1,3-Dichlorobenzene	NE	25 J	28 J	39	49
1,4-Dichlorobenzene	75	**140**	**130**	**150**	**190**
Carbon disulfide	1,000	<71	45 J	14 J	<18
Chlorobenzene	100	**2000**	**1800**	**860**	**380**

UAW11-40

VOCs	MCL/RSL	11/2/06	11/16/07	11/10/08	11/18/09
1,1,1-Trichloroethane	200	6.7	4.2	4.6	4.1
1,1,2-Trichloro-1,2,2-trifluoroethane	59,000	0.68 J	0.61 J	0.67 J	0.49 J
1,1,2-Trichloroethane	5	0.53 J	0.47J	0.49 J	0.52 J
1,1-Dichloroethane	2.4	**4.6**	**4.6**	**4**	**3.3**
1,1-Dichloroethene	7	0.29 J	<1	0.19 J	0.27 J
1,2-Dichlorobenzene	600	0.24 J	<1	0.27 J	0.34 J
1,2-Dichloroethane	5	**7.2**	**8.1**	4.6	3.5
Chlorobenzene	100	1.6	1.6	1.4	1.7
Chloroform	0.19	0.7 J	0.3 J	0.32 J	0.27 J
cis-1,2-Dichloroethene	70	6.7	5.4	5.7	4.3
Tetrachloroethene	5	**13**	**11**	**17**	**17**
Toluene	1,000	0.29 J	<1	<1	<1
trans-1,2-Dichloroethene	100	0.32 J	0.25 J	0.31 J	0.28 J
Trichloroethene	5	1.7	1.7	1.7	1.6

UAW22-20

					Dup	
VOCs	MCL/RSL	11/9/06	11/16/07	11/13/08	11/13/08	11/11/09
1,1-Dichloroethane	2.4	**3.9**	**11 J**	**9.3**	**9.6**	**3.7**
1,1-Dichloroethene	7	<2.5	<12	0.65 J	0.68 J	<3.3
1,2-Dichlorobenzene	600	68	49	52	57	62
1,2-Dichloroethane	5	2.5	<12	<1.7	<1.7	<3.3
1,3-Dichlorobenzene	NE	1.1 J	<12	1.1 J	1.1 J	1.4 J
1,4-Dichlorobenzene	75	7.7	6.3 J	7.6	8.3	11
Benzene	5	<2.5	<12	0.76 J	0.79 J	1.4 J
Chlorobenzene	100	24	52	56	60	74
cis-1,2-Dichloroethene	70	1.1 J	6.5	5.5	5.9	1.6 J
Dichlorofluoromethane	390	<2.5	<12	7.1	6.2	<3.3
Toluene	1,000	0.54 J	<12	1.2 J	1.2 J	0.92 J
Trans-1,2-Dichloroethene	100	<1.2	<6.2	0.44 J	0.44 J	<1.7
Trichloroethene	5	<2.5	<12	**8.9**	**9.5**	<3.3
Vinyl chloride	2	1.3 J	<12	**2.4**	**2.4**	1.6 J

UAW23-20

VOCs	MCL/RSL	11/6/06	11/13/07	11/13/08	11/24/09
1,1,1-Trichloroethane	200	14	9	10	9.3
1,1,2-Trichloro-1,2,2-trifluoroethane	59,000	1.9	1.1	1.1 J	1.1
1,1,2-Trichloroethane	5	2.6	2.3	2.2	1.9
1,1-Dichloroethane	2.4	**5.8**	**4.2**	**4.6**	**4.6**
1,1-Dichloroethene	7	0.38 J	1.5	0.86 J	0.19 J
1,2-Dichloroethane	5	0.32J	0.36 J	<1.7	0.28 J
Chloroform	0.19	**37**	**28**	**45**	**27**
cis-1,2-Dichloroethene	70	6.6	5.2	4.2	4.1
Tetrachloroethene	5	**27**	**25**	**22**	**26**
trans-1,2-Dichloroethene	100	0.85	0.47 J	0.66 J	0.77
Trichloroethene	5	3.8	3.5	2.5	3.2

UAW06-20

VOCs	MCL/RSL	11/9/06	11/15/07	11/4/08	11/17/09
1,1-Dichloroethane	2.4	<5	<5	1.4 J	0.79 J
1,2-Dichlorobenzene	600	140	150	67	77
1,3-Dichlorobenzene	NE	2.1 J	2.2 J	1.2 J	1.5
1,4-Dichlorobenzene	75	13	15	7.6	9
Benzene	5	<5	<5	1.2 J	0.96 J
Carbon disulfide	1,000	<5	3.6 J	<2	0.78 J
Chlorobenzene	100	**120**	100	50	55
cis-1,2-Dichloroethene	70	<2.5	<2.5	0.44 J	0.46 J
Ethylbenzene	700	<5	<5	<2	0.27 J
Isopropylbenzene	680	<5	<5	<2	0.22 J
Toluene	1,000	1 J	0.87 J	0.87 J	1.1
Xylenes (total)	10,000	<5	<5	0.84 J	0.9 J

MW-EPA-1

VOCs	MCL/RSL	11/8/06	11/19/07	11/6/08	11/20/09
1,2-Dichlorobenzene	600	**1,000**	**790**	**480**	590
1,3-Dichlorobenzene	NE	46 J	57 J	49 J	58 J
1,4-Dichlorobenzene	75	**330**	**400**	**330**	**430**
Acetone	22,000	<1,200	<2,500	4,100	<2,500
Chlorobenzene	100	4400	7600	6600	7400

LAW12-60

VOCs	MCL/RSL	11/19/09
1,2-Dichlorobenzene	600	0.33 J
1,1-Dichloroethene	2.4	1.5
1,2-Dichloroethane	5	3.6
cis-1,2-Dichloroethene	70	0.8

LAW05-60

VOCs	MCL/RSL	11/17/09
1,1-Dichloroethane	2.4	13
1,1-Dichloroethene	7	2.9
cis-1,2-Dichloroethene	70	28
trans-1,2-Dichloroethene	100	2.2
Vinyl chloride	2	0.94 J

LAW05-150

VOCs	MCL/RSL	11/17/09
Carbon disulfide	1,000	0.23 J
1,2-Dichlorobenzene	600	0.15 J
1,4-Dichlorobenzene	75	0.13 J

UAW11-10

VOCs	MCL/RSL	11/2/06	11/16/07	11/10/08	11/18/09
1,1-Dichloroethane	2.4	<33	**10**	<3.3	0.7 J
1,1-Dichloroethene	7	<33	0.31 J	<3.3	<1
1,2-Dichlorobenzene	600	8.8 J	17	14	19
1,3-Dichlorobenzene	NE	<33	1.2	0.94 J	0.96 J
1,4-Dichlorobenzene	75	<33	6.9	5.9	6.2
2-Butanone	7,100	<330	<10	10 J	<10
4-Methyl-2-pentanone	2,000	<330	0.94 J	<33	<10
Acetone	22,000	<330	<10	220	<10
Benzene	5	<33	<1	<3.3	0.49 J
Carbon disulfide	1,000	<33	6.6	<3.3	<1
Chlorobenzene	100	<33	5.2	6.5	13
cis-1,2-Dichloroethene	70	<17	4.5	<1.7	0.35 J
Ethylbenzene	700	<33	<1	<3.3	0.21 J
Toluene	1,000	<33	0.33 J	0.58 J	0.8 J
trans-1,2-Dichloroethene	100	<17	0.43 J	<1.7	<0.5
Vinyl chloride	2	<33	0.99 J	0.86 J	0.56 J

MW-EPA-2

VOCs	MCL/RSL	11/9/06	11/19/07	11/17/08	11/23/09
1,1,1-Trichloroethane	200	20	<5	<1.7	<2
1,1,2-Trichloro-1,2,2-trifluoroethane	59,000	3.9 J	<5	<1.7	<2
1,1,2-Trichloroethane	5	5 J	<5	<1.7	<2
1,1-Dichloroethane	2.4	**7.3 J**	<5	<1.7	<2
1,1-Dichloroethene	7	2.6 J	<5	<1.7	<2
1,2-Dichloroethane	5	**440**	<5	<1.7	<2
Benzene	5	<14	<5	<1.7	1.2 J
Chloroform	0.19	**41**	**1 J**	<1.7	**0.63 J**
cis-1,2-Dichloroethene	70	43	<2.5	<0.84	<1
Tetrachloroethene	5	**45**	**79**	**59**	**68**
Trichloroethene	5	**6 J**	<5	<1.7	<2

UAW20-60

VOCs	MCL/RSL	11/7/06	11/15/07	11/18/08	11/23/09
1,1,1-Trichloroethane	200	56	50 J	31 J	11 J
1,1,2-Trichloro-1,2,2-trifluoroethane	59,000	<50	<67	13 J	<29
1,1,2-Trichloroethane	5	<50	<67	<40	**9.5 J**
1,1-Dichloroethane	2.4	**26 J**	**26 J**	**14 J**	<29
1,1-Dichloroethene	7	9.8 J	<67	<40	<29
1,2-Dibromoethane (Ethylene Dibromide)	0.05	<50	<67	<40	**7.2 J**
1,2-Dichloroethane	5	**1600**	**1500**	**1200**	**970**
Benzene	5	<50	<67	<40	**16 J**
Chloroform	70	**82**	**73**	**72**	**65**
cis-1,2-Dichloroethene	5	63	59	44	26
Tetrachloroethene	100	**55**	**44 J**	**93**	**130**
Trichloroethene	5	<50	<67	**13 J**	**8 J**

UAW10-50

				Dup		Dup		Dup
VOCs	MCL/RSL	11/9/06	11/12/07	11/12/07	11/12/08	11/12/08	11/20/09	11/20/09
1,1,1-Trichloroethane	200	11 J	4.2	4.1	5.3	5.1	4.9	4.8
1,1,2-Trichloro-1,2,2-trifluoroethane	59,000	<14	1	0.93 J	1.4	1.3	0.89 J	0.92 J
1,1,2-Trichloroethane	5	<14	1	1	0.49 J	0.52 J	0.63 J	0.66 J
1,1-Dichloroethane	2.4	**5.4 J**	**2.6**	**2.6**	**6.5**	**6.3**	**5.3**	**5.2**
1,1-Dichloroethene	7	<14	0.86 J	0.74 J	1.1	1.1	0.64 J	0.63 J
1,2-Dichloroethane	5	**420**	4.7	4.6	**17**	**17**	2.6	2.6
Chloroform	0.19	**22**	**35**	**34**	**3.1**	**3**	**2.7**	**2.7**
cis-1,2-Dichloroethene	70	33	22	22	30	29	28	28
Methylene chloride	5	**7.6 J**	<1	<1	<1	<1	<1	<1
Tetrachloroethene	5	**10 J**	4.9	4.6	**5.3**	**5.1**	3.8	3.8
trans-1,2-Dichloroethene	100	<7.1	0.7	0.62	1.2	1.1	1.2	1.2
Trichloroethene	5	4 J	2.2	2.1	2	1.9	1.9	1.9
Vinyl chloride	2	<14	<1	<1	<1	<1	0.27 J	0.28 J

UAW03-20

VOCs	MCL/RSL	11/6/06	11/13/07	11/4/08	11/16/09
1,2-Dichlorobenzene	600	0.45 J	0.22 J	140	170
1,2-Dichloroethane	5	<1	<1	<5	0.87 J
1,3-Dichlorobenzene	NE	<1	<1	2.4 J	3.4
1,4-Dichlorobenzene	75	<1	<1	15	21
4-Methyl-2-pentanone	2,000	1.2 J	0.61 J	<50	<25
Benzene	5	<1	<1	3.7 J	2.6
Chlorobenzene	100	0.45 J	<1	140	110
Cyclohexane	13,000	<1	<1	0.9 J	0.53 J
Ethylbenzene	700	<1	<1	2.7 J	2.7
Methylcyclohexane	NE	<1	<1	<5	2 J
Toluene	1,000	<1	<1	1.6 J	1.9 J
Xylenes (total)	10,000	<1	<1	4.9 J	5.5

UAW04-20

			Dup			
VOCs	MCL/RSL	11/6/06	11/6/06	11/07	11/3/08	11/16/09
1,1-Dichloroethane	2.4	<140	<140	NA	0.29 J	0.48 J
1,2-Dichlorobenzene	600	<140	<140	NA	2.6	3.3
1,3-Dichlorobenzene	NE	<140	<140	NA	<1	0.15 J
1,4-Dichlorobenzene	75	<140	<140	NA	0.74 J	0.9 J
Benzene	5	<140	<140	NA	0.88 J	0.33 J
Chlorobenzene	100	<140	<140	NA	3	3.6
Toluene	1,000	**3,900**	**4,000**	NA	0.56 J	<1
Xylenes (total)	10,000	<140	<140	NA	<1	0.58 J

UAW02-20

VOCs	MCL/RSL	11/3/06	11/9/07	11/7/08	11/12/09
1,2-Dichlorobenzene	600	7.2	2.6	12	11
1,3-Dichlorobenzene	NE	0.27 J	<1	0.49 J	0.46 J
1,4-Dichlorobenzene	75	2.9	1.1	4.4	4.1
Chlorobenzene	100	5.3	1	4.5	3.7
Toulene	10,000	0.17 J	<1	<1	<1

UAW02-40

			Dup				Dup
VOCs	MCL/RSL	11/3/06	11/3/06	11/9/07	11/18/08	11/12/09	11/12/09
1,1-Dichloroethane	2.4	**14**	**14**	**14**	**14**	**12**	**12**
1,1-Dichloroethene	7	3.2	3.1	2.8	3.4	2.9	3.1
Benzene	5	<1.2	<1.4	<1	<1	0.46 J	<1
cis-1,2-Dichloroethene	70	37	37	37	35	30	31
trans-1,2-Dichloroethene	100	2.1	2.2	2.2	2.6	2.2	2.3
Vinyl chloride	2	0.56 J	0.56 J	0.51 J	0.67 J	0.44 J	0.49 J

UAW01-30

VOCs	MCL/RSL	11/1/06	11/8/07	11/5/08	11/12/09
Benzene	5	<1	<1	<1	0.42 J
Dichlorofluoromethane	390	<1	<1	<1	0.51 J

UAW01-80

VOCs	MCL/RSL	11/1/06	11/8/07	11/5/08	11/12/09
Toluene	1,000	0.29 J	<1	<1	<1
Vinyl chloride	2	**4.1**	**4**	**3.6**	**6.8**

UAW25-20

VOCs	MCL/RSL	11/8/06	11/8/07	11/3/07	11/12/09
1,2-Dichlorobenzene	600	11	13	11	14
1,2-Dichloroethane	5	0.95 J	<1	<1	<1
1,3-Dichlorobenzene	NE	0.42 J	0.46 J	0.36 J	0.4 J
1,4-Dichlorobenzene	75	3.3	3.9	3.3	3.7
Chlorobenzene	100	6.4	4.8	2.5	2.6
Dichlorofluoromethane	390	<1	<1	<1	0.48 J
Tetrachloroethene	5	0.19 J	<1	<1	<1

UAW21-80

VOCs	MCL/RSL	11/8/06	11/6/07	11/5/08	11/13/09
1,2,4-Trichlorobenzene	70	<1	<1	0.31 J	<1
Vinyl chloride	2	<1	<1	<1	0.26 J

UAW21-30

VOCs	MCL/RSL	11/9/06	11/6/07	11/5/08	11/13/09
Chloroform	0.19	**0.58 J**	**0.6 J**	**0.28 J**	**1.9**
Tetrachloroethene	5	<1	<1	2	**9.8**
Trichloroethene	5	<1	0.59 J	1.4	<1

UAW09-60

			Dup		
VOCs	11/3/06	11/15/07	11/15/07	11/12/08	11/18/09
	ALL ND	ALL ND	ALL ND	ALL ND	ALL ND

UAW09-20

VOCs	MCL/RSL	11/3/06	11/15/07	11/12/08	11/18/09
1,1-Dichloroethane	7	0.19 J	<1	<1	<1
Bromodichloromethane	0.12	**1.3**	**1**	<1	**1.8**
Chloroform	0.19	**2.7**	**0.36 J**	**2.7**	**12**
Toluene	1,000	0.21 J	<1	<1	<1

UAW14-10

VOCs	11/8/06	11/7/07	11/13/08	11/24/09
	ALL ND	ALL ND	ALL ND	ALL ND

UAW26-70

VOCs	11/7/06	11/14/07	11/6/08	11/19/09
	ALL ND	ALL ND	ALL ND	ALL ND

MW-EPA-4

VOCs	11/7/06	11/14/07	11/6/08	11/19/09
	ALL ND	ALL ND	ALL ND	ALL ND

UAW17-40

VOCs	MCL/RSL	10/31/06	11/19/07	11/7/08	11/13/09
Benzene	5	<1	<1	<1	0.48 J

UAW10-80

VOCs	MCL/RSL	11/9/06	11/12/07	11/12/08	11/20/09
1,1-Dichloroethane	2.4	0.27 J	<1.4	<1	<1
1,2-Dichloroethane	5	3.3	**40**	1	1
Chloroethane	NE	0.61 J	<1.4	<1	<1
Chloroform	0.19	**0.23 J**	**0.41 J**	<1	<1
cis-1,2-Dichloroethene	70	0.56	0.59 J	<0.5	<0.5
Vinyl chloride	2	0.47 J	0.51 J	<1	<1

MW-EPA-3

VOCs	11/7/06	11/14/07	11/11/08	11/23/09
	ALL ND	ALL ND	ALL ND	ALL ND

UAW19-80

VOCs	MCL/RSL	11/8/06	11/14/07	11/11/08	11/23/09
1,1,1-Tricholoroethane	200	6.4	4.1	5.8	5.4
1,1,2-Tricholoroethane	5	0.29 J	<1.4	0.41 J	<1.7
1,1-Dichloroethane	2.4	**15**	**8.8**	**12**	**11**
1,1-Dichloroethene	7	1.8	1.5	1.5	1.1 J
1,2,4-Trichlorobenzene	70	<1	<1.4	<1.4	0.35 J
1,2-Dichloroethane	5	**35**	**34**	**47**	**57**
Benzene	5	<1	<1.4	<1.4	1 J
Chloroethane	NE	0.35 J	<1.4	0.44 J	<1.7
Chloroform	0.19	**1.3**	**0.86 J**	**0.86 J**	**1.4 J**
cis-1,2-Dichloroethene	70	14	12	16	15
trans-1,2-Dichloroethene	100	0.48 J	0.34 J	0.56 J	0.58 J

UAW27-50

VOCs	MCL/RSL	11/1/06	11/13/07	11/13/08	11/11/09
1,1,1-Trichloroethane	200	1.1	1.9	7.2	9.1
1,1,2-Trichloroethane	5	<1	<1	0.27 J	0.34 J
1,1-Dichloroethane	2.4	**6.4**	**6.4**	**13**	**12**
1,1-Dichloroethene	7	0.54 J	0.77 J	2.5	1.9
1,2-Dichloroethane	5	0.4 J	0.52 J	0.64 J	0.76 J
Chloroform	0.19	**0.33 J**	**0.46 J**	<1	**0.77 J**
cis-1,2-Dichloroethene	70	5.5	8.7	17	18
Toluene	1,000	0.41 J	<1	<1	<1
trans-1,2-Dichloroethene	100	0.24 J	0.22 J	0.66	0.67

UAW24-70

VOCs	MCL/RSL	10/31/06	11/7/07	11/13/08	11/24/09
1,1-Dichloroethane	2.4	<1	0.26 J	<1	<1
Toluene	1,000	0.31 J	<1	<1	<1

UAW16-10

VOCs	MCL/RSL	11/6/06	11/19/07	11/18/08	11/20/09
1,2-Dichlorobenzene	600	11	13	13	6.6
1,3-Dichlorobenzene	NE	0.85 J	0.51 J	0.69 J	0.52 J
1,4-Dichlorobenzene	75	6.5	5.2	5.2	4.8
Benzene	5	0.38 J	<1.4	<1	<1
Chlorobenzene	100	5.8	7.7	5.4	6.8
Cyclohexane	13,000	0.21 J	<1.4	<1	<1
Methylcyclohexane	NE	<1	<1.4	0.52 J	<1
Toluene	1,000	0.3 J	<1.4	0.23 J	<1

UAW15-50

VOCs	MCL/RSL	11/2/06	11/19/07	11/14/08	11/11/09
2-Butanone	7,100	4.6 J	<10	<10	<10
4-Methyl-2-pentanone	2,000	8 J	15	5.2 J	1.5 J
Benzene	5	<5	1.1	0.72 J	0.69 J
Carbon disfulide	1,000	1.5 J	<1	<1	<1
Chlorobenzene	100	25	27	17	8.8
Cyclohexane	13,000	<5	0.42 J	0.28 J	0.39 J
Ethylbenzene	700	<5	0.28 J	0.23 J	<1
Toluene	1,000	11	0.44 J	3.7	0.23 J
Trichloroethene	5	<5	0.29 J	0.29 J	<1
Xylenes (total)	10,000	<5	0.61 J	<1	<1

UAW15-20

VOCs	MCL/RSL	11/2/06	11/19/07	11/14/08	11/11/09
Benzene	5	<1.4	<1	<1	0.52 J
Bromodichloromethane	0.12	<1.4	**0.78 J**	**0.41 J**	**0.2 J**
Carbon tetrachloride	5	1.1 J	0.69 J	0.43 J	0.54 J
Chloroform	0.19	**40**	**20**	**21**	**19**

UAW18-20

VOCs	MCL/RSL	11/6/06	11/16/07	11/18/08	11/24/09
1,2-Dichlorobenzene	600	4.7	1.6	1.4	3.6
1,3-Dichlorobenzene	NE	0.21 J	<1	<1	<1
1,4-Dichlorobenzene	75	1.8	0.65 J	0.58 J	1.3
4-Methyl-2-pentanone	2,000	0.71 J	0.96 J	0.49 J	<10
Benzene	5	0.25 J	<1	<1	<1
Carbon disulfide	1,000	<1	5.7	0.32 J	0.37 J
Chlorobenzene	100	3	1.1	0.53 J	2.1
Cyclohexane	13,000	0.13 J	<1	<1	<1
Toluene	1,000	0.31 J	0.27 J	<1	<1
Trichloroethene	5	<1	<1	<1	0.32 J

EXPLANATION

UAW11-10 — UPPER AQUIFER MONITORING WELL LOCATION COMPLETED IN SHALLOW SAND (SHALLOW UPPER AQUIFER WELL)

UAW11-40 — UPPER AQUIFER MONITORING WELL LOCATION COMPLETED IN LOWER SAND (DEEP UPPER AQUIFER WELL)

LAW12-60 — LOWER AQUIFER MONITORING WELL LOCATION

RECOVERY WELL LOCATION

STR09 — SOIL BORING LOCATION AND IDENTIFICATION NUMBER

T-3 — TRENCH LOCATION

MW-EPA-1 — UPPER AQUIFER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (PRC, 1993)

WS-3A — SURFACE WATER SAMPLE LOCATION

SW — FRENCH DRAIN AND SLURRY WALL LOCATION SOIL BORING SERIES

ROHM AND HAAS FACILITY PROPERTY BOUNDARY

SS-2 — STREAM STATION LOCATION

B-05 — BACKGROUND SAMPLE LOCATION

GW50 — PRISTINE SHALLOW AQUIFER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER

MW71 — PRISTINE LOWER AQUIFER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER

IMPOUNDMENT – (FROM 1960 AERIAL PHOTO)

LOCATION OF REPORTED WASTE BURIAL

THE DETECTION IS SHOWN IN **BOLD** IF IT EXCEEDS THE SCREENING LEVEL. THE SCREENING LEVEL IS THE MCL. IF A MCL IS NOT AVAILABLE, THE DECEMBER 2009 TAP WATER RSL WAS USED.

ND = NOT DETECTED
NE = NOT ESTABLISHED
NA = NOT ANALYZED

Base Map Source: Rohm and Haas, 2008
Pre-2006 Data Source: Geomatrix, March 2006

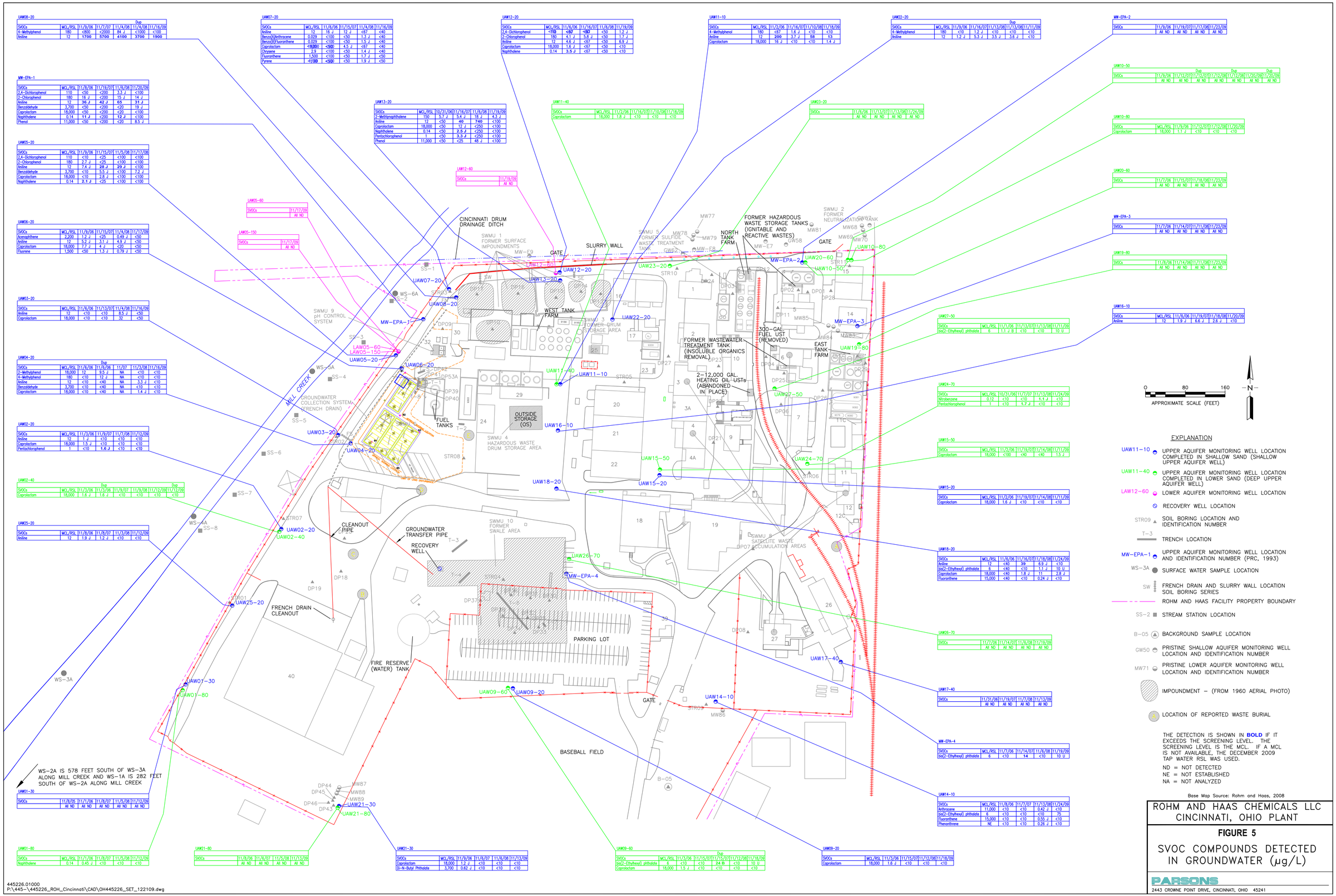
ROHM AND HAAS CHEMICALS LLC
CINCINNATI, OHIO PLANT

FIGURE 4

VOC COMPOUNDS DETECTED IN GROUNDWATER (µg/L)

PARSONS
2443 CROWNE POINT DRIVE, CINCINNATI, OHIO 45241

445226.01000
P:\445-\445226_ROH_Cincinnati\CAD\OH445226_SET_122109.dwg



UAW06-20

SVOCs	MCL/RSL	11/9/06	11/7/07	11/4/08	Dup 11/4/08	11/16/09
4-Methylphenol	180	<800	<2000	84 J	<1000	<100
Aniline	12	**1700**	**5700**	**4100**	**3700**	**1900**

MW-EPA-1

SVOCs	MCL/RSL	11/8/06	11/19/07	11/6/08	11/20/09
2,4-Dichlorophenol	110	<50	<200	3.3 J	<100
2-Chlorophenol	180	16 J	<200	15 J	14 J
Aniline	12	**36 J**	**42 J**	**65**	**31 J**
Benzaldehyde	3,700	<50	<200	<20	19 J
Caprolactam	18,000	<50	<200	<20	<100
Naphthalene	0.14	**11 J**	<200	**12 J**	<100
Phenol	11,000	<50	<200	<20	8.5 J

UAW05-20

SVOCs	MCL/RSL	11/9/06	11/15/07	11/5/08	11/17/08
2,4-Dichlorophenol	110	<10	<25	<100	<100
2-Chlorophenol	180	2.7 J	<25	<100	<100
Aniline	12	**7.4 J**	**28 J**	**29 J**	<100
Benzaldehyde	3,700	<10	5.5 J	<100	7.2 J
Caprolactam	18,000	<10	2.8 J	<100	<100
Naphthalene	0.14	**2.1 J**	<25	<100	<100

UAW06-20

SVOCs	MCL/RSL	11/9/06	11/15/07	11/4/08	11/17/09
Acenaphthene	2,200	1.2 J	<25	0.49 J	<50
Aniline	12	5.2 J	3.1 J	4.9 J	<50
Caprolactam	18,000	7.7 J	4 J	<20	<50
Fluorene	1,500	<50	1.3 J	0.79 J	<50

UAW03-20

SVOCs	MCL/RSL	11/6/06	11/13/07	11/4/08	11/16/09
Aniline	12	<10	<10	8.5 J	<50
Caprolactam	18,000	<10	<10	32	<50

UAW04-20

SVOCs	MCL/RSL	11/6/06	Dup 11/6/06	11/07	11/3/08	11/18/09
2-Methylphenol	18,000	12	9.5 J	NA	<10	<10
4-Methylphenol	180	<10	12 J	NA	<10	<10
Aniline	12	<10	<40	NA	3.3 J	<10
Benzaldehyde	3,700	<10	<40	NA	<10	<10
Caprolactam	18,000	<10	<40	NA	1.4 J	<10

UAW02-20

SVOCs	MCL/RSL	11/3/06	11/9/07	11/7/08	11/12/09
Aniline	12	1 J	<10	<10	<10
Caprolactam	18,000	1.5 J	<10	<10	<10
Pentachlorophenol	1	<10	**1.6 J**	<10	<10

UAW02-40

SVOCs	MCL/RSL	11/3/06	Dup 11/3/06	11/9/07	11/9/08	Dup 11/12/09	11/12/09
Caprolactam	18,000	1.6 J	1.8 J	<10	<10	<10	<10

UAW25-20

SVOCs	MCL/RSL	11/8/06	11/8/07	11/3/08	11/12/09
Aniline	12	1.9 J	1.2 J	<10	<10

UAW01-30

SVOCs	11/8/05	11/1/06	11/8/07	11/5/08	11/12/09
	All ND	All ND	All ND	All ND	All ND

UAW01-80

SVOCs	MCL/RSL	11/1/06	11/8/07	11/5/08	11/12/09
Naphthalene	0.14	0.45 J	<10	<10	<10

UAW07-20

SVOCs	MCL/RSL	11/6/06	11/15/07	11/4/08	11/16/09
Aniline	12	16 J	12 J	<67	<40
Benzo(A)Anthracene	0.029	<100	<50	1.3 J	<40
Benzo(B)Fluoranthene	0.029	<100	<50	1.5 J	<40
Caprolactam	18,000	<500	4.5 J	<67	<40
Chrysene	2.9	<100	<50	1.4 J	<40
Fluoranthene	1,500	<100	<50	1.7 J	<50
Pyrene	1,100	<500	<50	1.9 J	<50

UAW13-20

SVOCs	MCL/RSL	10/31/06	11/16/07	11/6/08	11/19/09
2-Methlynaphthalene	150	5.7 J	5.4 J	18 J	4.3 J
Aniline	12	<50	**40**	**740**	<100
Caprolactam	18,000	<50	12 J	<250	<100
Naphthalene	0.14	<50	**2.5 J**	<250	<100
Pentachlorophenol	1	<50	**3.3 J**	<250	<100
Phenol	11,000	<50	<25	48 J	<100

UAW12-60

SVOCs	11/19/09
	All ND

UAW05-60

SVOCs	11/17/09
	All ND

UAW05-150

SVOCs	11/17/09
	All ND

UAW12-20

SVOCs	MCL/RSL	11/6/06	11/16/07	11/6/08	11/19/09
2,4-Dichlorophenol	110	<67	<50	<50	1.2 J
2-Chlorophenol	180	4.1 J	5.8 J	<50	1.7 J
Aniline	12	4.6 J	<67	<50	6.9 J
Caprolactam	18,000	1.6 J	<67	<50	<10
Naphthalene	0.14	**3.5 J**	<67	<50	<10

UAW11-40

SVOCs	MCL/RSL	11/2/06	11/15/07	11/10/08	11/18/09
Caprolactam	18,000	1.8 J	<10	<10	<10

UAW11-10

SVOCs	MCL/RSL	11/2/06	11/16/07	11/10/08	11/18/09
4-Methylphenol	180	<67	1.6 J	<10	<10
Aniline	12	**200**	3.7 J	**58**	**13**
Caprolactam	18,000	16 J	<10	<10	1.4 J

UAW23-20

SVOCs	11/5/08	11/13/07	11/13/08	11/24/09
	All ND	All ND	All ND	All ND

UAW22-20

SVOCs	MCL/RSL	11/9/06	11/16/07	11/13/08	Dup 11/13/08	11/11/09
4-Methylphenol	180	<10	1.2 J	<10	<10	<10
Aniline	12	1.2 J	5.3 J	3.5 J	3.6 J	<10

MW-EPA-2

SVOCs	11/9/06	11/19/07	11/17/08	11/23/09
	All ND	All ND	All ND	All ND

UAW10-50

SVOCs	11/9/06	11/12/07	11/12/07	Dup 11/12/08	11/12/08	Dup 11/20/09	11/20/09	Dup 11/20/09
	All ND	All ND	All ND	All ND	All ND	All ND	All ND	All ND

UAW10-80

SVOCs	MCL/RSL	11/9/06	11/19/07	11/12/08	11/20/09
Caprolactam	18,000	1.1 J	<10	<10	<10

UAW20-60

SVOCs	11/7/06	11/15/07	11/18/08	11/23/09
	All ND	All ND	All ND	All ND

MW-EPA-3

SVOCs	11/7/06	11/14/07	11/11/08	11/23/09
	All ND	All ND	All ND	All ND

UAW19-80

SVOCs	11/8/06	11/14/06	11/11/08	11/23/09
	All ND	All ND	All ND	All ND

UAW16-10

SVOCs	MCL/RSL	11/6/06	11/19/07	11/18/08	11/20/09
Aniline	12	1.9 J	6.6 J	2.6 J	<10

UAW27-50

SVOCs	MCL/RSL	11/1/06	11/13/07	11/13/08	11/11/09
bis(2-Ethylhexyl) phthalate	6	1.1 J B	<10	<10	10 U

UAW24-70

SVOCs	MCL/RSL	10/31/06	11/7/07	11/13/08	11/24/09
Nitrobenzene	0.12	<10	<10	1.1 J	<10
Pentachlorophenol	1	<10	1.7 J	<10	<10

UAW15-50

SVOCs	MCL/RSL	11/2/06	11/19/07	11/14/08	11/11/09
Caprolactam	18,000	<100	<40	<40	1.5 J

UAW15-20

SVOCs	MCL/RSL	11/2/06	11/19/07	11/14/08	11/11/09
Caprolactam	18,000	1.8 J	<10	<10	<10

UAW18-20

SVOCs	MCL/RSL	11/6/06	11/16/07	11/18/08	11/24/09
Aniline	12	<40	**39**	6.9 J	<10
bis(2-Ethylhexyl) phthalate	6	<40	<10	1.1 J	10 U
Caprolactam	18,000	<40	1.8 J	11	2.8 J
Fluoranthene	15,000	<40	<10	0.24 J	<10

UAW26-70

SVOCs	11/7/06	11/14/07	11/6/08	11/19/09
	All ND	All ND	All ND	All ND

UAW17-40

SVOCs	11/31/06	11/19/07	11/7/08	11/13/09
	All ND	All ND	All ND	All ND

MW-EPA-4

SVOCs	MCL/RSL	11/7/06	11/14/07	11/6/08	11/19/09
bis(2-Ethylhexyl) phthalate	6	<10	**14**	<10	10 U

UAW14-10

SVOCs	MCL/RSL	11/8/06	11/7/07	11/13/08	11/24/09
Anthracene	11,000	<10	<10	0.42 J	<10
bis(2-Ethylhexyl) phthalate	6	<10	<10	<10	75
Fluoranthene	15,000	<10	<10	0.55 J	<10
Phenanthrene	NE	<10	<10	0.26 J	<10

UAW21-80

SVOCs	11/8/06	11/6/07	11/5/08	11/13/09
	All ND	All ND	All ND	All ND

UAW21-30

SVOCs	MCL/RSL	11/9/06	11/6/07	11/6/08	11/13/09
Caprolactam	18,000	1.2 J	<10	<10	<10
(3-N-Butyl Phthalate	3,700	0.62 J	<10	<10	<10

UAW09-60

SVOCs	MCL/RSL	11/3/06	11/15/07	Dup 11/15/07	11/12/08	11/18/09
bis(2-Ethylhexyl) phthalate	6	<10	<10	24 B	<10	10 U
Caprolactam	18,000	1.3 J	<10	<10	<10	<10

UAW09-20

SVOCs	MCL/RSL	11/3/06	11/15/07	11/12/08	11/18/09
Caprolactam	18,000	1.6 J	<10	<10	<10

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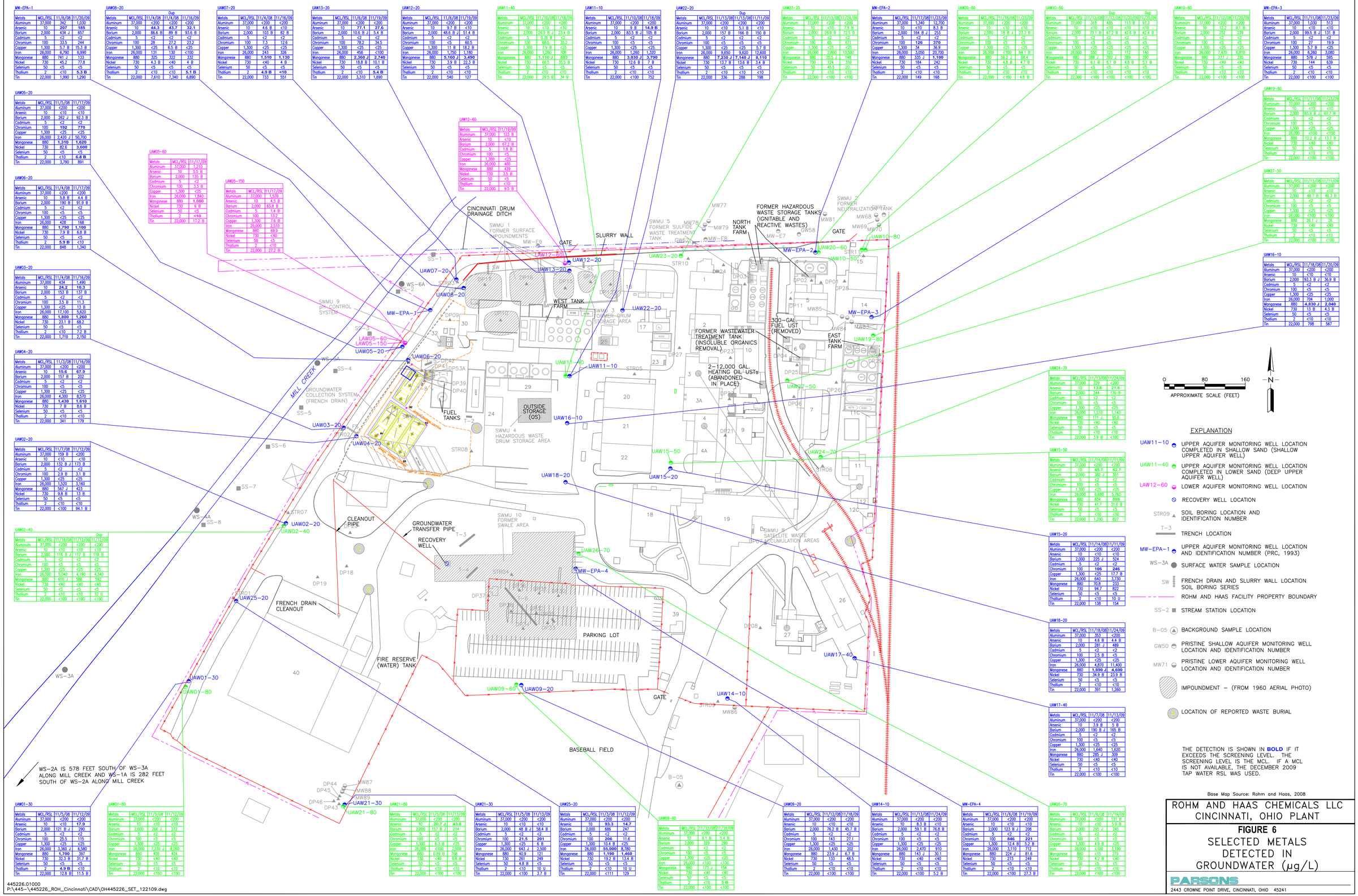
ROHM AND HAAS CHEMICALS LLC
CINCINNATI, OHIO PLANT

FIGURE 5

SVOC COMPOUNDS DETECTED IN GROUNDWATER (µg/L)

PARSONS
2443 CROWNE POINT DRIVE, CINCINNATI, OHIO 45241



MW-EPA-1

Metals	MCL/RSL	11/6/08	11/20/09
Aluminum	37,000	342	1,030
Arsenic	10	**207**	**185**
Barium	2,000	434 J	657
Cadmium	5	<2	<2
Chromium	100	3.5	244
Copper	1,300	5.7 B	15.3 B
Iron	26,000	6,790	6,090
Mongonese	880	741 J	133
Nickel	730	45.2	77.8
Selenium	50	<5	<5
Thallium	2	<10	**5.3 B**
Tin	22,000	1,990	1,290

UAW08-20

		Dup	
Metals	MCL/RSL	11/4/08	11/16/09
Aluminum	37,000	<200	<200
Arsenic	10	**44.3**	**43.7**
Barium	2,000	86.6 B	89 B
Cadmium	5	<2	<2
Chromium	100	28	27.2
Copper	1,300	<25	6.5 B
Iron	26,000	131	130
Mongonese	880	326	322
Nickel	730	4.3 B	<40
Selenium	50	<5	<5
Thallium	2	<10	**5.1 B**
Tin	22,000	7,610	7,340

UAW07-20

Metals	MCL/RSL	11/4/08	11/16/09
Aluminum	37,000	<200	<200
Arsenic	10	4.6 B	<10
Barium	2,000	103 B	82 B
Cadmium	5	<2	<2
Chromium	100	7.3	12.6
Copper	1,300	<25	<25
Iron	26,000	243	326
Mongonese	880	**1,910**	**1,130**
Nickel	730	<40	4 B
Selenium	50	<5	<5
Thallium	2	**4.9 B**	**<10**
Tin	22,000	733	551

UAW13-20

Metals	MCL/RSL	11/6/08	11/19/09
Aluminum	37,000	<200	<200
Arsenic	10	**77.1**	**27.6**
Barium	2,000	10.6 B	5.4 B
Cadmium	5	<2	<2
Chromium	100	78.2	34.5
Copper	1,300	<25	<25
Iron	26,000	456	<100
Mongonese	880	**2,360 J**	**2,740**
Nickel	730	18.8 B	10.1 B
Selenium	50	<5	<5
Thallium	2	<10	**5.4 B**
Tin	22,000	3,310	1,690

UAW12-20

Metals	MCL/RSL	11/6/08	11/19/09
Aluminum	37,000	<200	<200
Arsenic	10	9.7 B	<10
Barium	2,000	48.6 B	51.4 B
Cadmium	5	<2	<2
Chromium	100	<5	60.5
Copper	1,300	11 B	18.2 B
Iron	26,000	1,750	1,180
Mongonese	880	**5,160 J**	**3,490**
Nickel	730	3.9 B	22.3 B
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	540	127

UAW11-40

Metals	MCL/RSL	11/10/08	11/18/09
Aluminum	37,000	<200	<200
Arsenic	10	<10	<10
Barium	2,000	26.9 B J	23.4 B
Cadmium	5	0.76 B	<2
Chromium	100	68.5	35.2
Copper	1,300	7.9 B	<25
Iron	26,000	1,280	708
Mongonese	880	1,110 J	883
Nickel	730	66.5	35.5 B
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	29.5 B	34 B

UAW11-10

Metals	MCL/RSL	11/10/08	11/18/09
Aluminum	37,000	<200	<200
Arsenic	10	**9 B**	**14.9 B**
Barium	2,000	83.5 B J	105 B
Cadmium	5	<2	<2
Chromium	100	<5	<5
Copper	1,300	<25	<25
Iron	26,000	1,260	1,320
Mongonese	880	**3,030 J**	**3,790**
Nickel	730	12.6 B	7 B
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	<100	752

UAW22-20

		Dup		
Metals	MCL/RSL	11/13/08	11/13/08	11/11/09
Aluminum	37,000	<200	<200	<200
Arsenic	10	<10	5.1 B	<10
Barium	2,000	157 B	166 B	150 B
Cadmium	5	<2	<2	<2
Chromium	100	<5	<5	<5
Copper	1,300	<25	<25	5.7 B
Iron	26,000	9,650	9,620	12,600
Mongonese	880	**7,230 J**	**7,140 J**	**8,110**
Nickel	730	13.7 B	13.6 B	3.4 B
Selenium	50	<5	<5	<5
Thallium	2	<10	<10	<10
Tin	22,000	336	288	198

UAW23-20

Metals	MCL/RSL	11/13/08	11/24/09
Aluminum	37,000	<200	<200
Arsenic	10	<10	7.9 B
Barium	2,000	26.8 B	72.5 B
Cadmium	5	<2	<2
Chromium	100	65	871
Copper	1,300	<25	<25
Iron	26,000	2,600	10,500
Mongonese	880	35.5 J	148
Nickel	730	124	310
Selenium	50	45.5	20
Thallium	2	<10	<10
Tin	22,000	<100	<100

MW-EPA-2

Metals	MCL/RSL	11/17/08	11/23/09
Aluminum	37,000	1,340	12,700
Arsenic	10	<10	8.3 B
Barium	2,000	164 B J	253
Cadmium	5	<2	<2
Chromium	100	**126**	**370**
Copper	1,300	34	36.9
Iron	26,000	3,050	20,700
Mongonese	880	335 J	**1,100**
Nickel	730	184	242
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	149	168

UAW20-60

Metals	MCL/RSL	11/18/08	11/23/09
Aluminum	37,000	<200	<200
Arsenic	10	<10	<10
Barium	2,000	18 B J	23.3 B
Cadmium	5	<2	<2
Chromium	100	<5	<5
Copper	1,300	<25	<25
Iron	26,000	<100	94.1 B
Mongonese	880	56.2 J	68.4
Nickel	730	4.8 B	4.7 B
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	<100	4.8 B

UAW10-50

		Dup		Dup	
Metals	MCL/RSL	11/12/08	11/17/08	11/20/09	11/20/09
Aluminum	37,000	318	435	113 B	97.3
Arsenic	10	<10	<10	<10	<10
Barium	2,000	70.1 B	67.2 B	42.8 B	42.4 B
Cadmium	5	<2	<2	<2	<2
Chromium	100	<5	<5	<5	<5
Copper	1,300	<25	<25	<25	<25
Iron	26,000	550	725	112	140
Mongonese	880	368 J	392 J	389	390
Nickel	730	6.1 B	6.1 B	4.8 B	5.1 B
Selenium	50	<5	<5	<5	<5
Thallium	2	<10	<10	<10	<10
Tin	22,000	<100	<100	<100	<100

UAW10-80

Metals	MCL/RSL	11/17/08	11/20/09
Aluminum	37,000	<200	<200
Arsenic	10	12.2	9.1 B
Barium	2,000	210	229
Cadmium	5	<2	<2
Chromium	100	<5	<5
Copper	1,300	<25	<25
Iron	26,000	7,470	6,810
Mongonese	880	277 J	235
Nickel	730	<40	<40
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	<100	<100

MW-EPA-3

Metals	MCL/RSL	11/11/08	11/23/09
Aluminum	37,000	1,030	513
Arsenic	10	<10	<10
Barium	2,000	99.5 B J	131 B
Cadmium	5	<2	<2
Chromium	100	27	19.9
Copper	1,300	5.7 B	<25
Iron	26,000	6,260	3,080
Mongonese	880	578 J	595
Nickel	730	144	639
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	<100	<100

UAW19-80

Metals	MCL/RSL	11/11/08	11/23/09
Aluminum	37,000	<200	<200
Arsenic	10	<10	<10
Barium	2,000	65.9 B J	67.7 B
Cadmium	5	<2	<2
Chromium	100	<5	<5
Copper	1,300	<25	<25
Iron	26,000	<100	<100
Mongonese	880	12.2 B J	13.7 B
Nickel	730	<40	<40
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	<100	<100

UAW27-50

Metals	MCL/RSL	11/13/08	11/11/09
Aluminum	37,000	<200	<200
Arsenic	10	<10	<10
Barium	2,000	48.7 B	46.3 B
Cadmium	5	<2	<2
Chromium	100	<5	<5
Copper	1,300	<25	<25
Iron	26,000	<100	<100
Mongonese	880	26.1 J	26
Nickel	730	<40	<40
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	<100	<100

UAW16-10

Metals	MCL/RSL	11/18/08	11/20/09
Aluminum	37,000	<200	<200
Arsenic	10	<10	<10
Barium	2,000	93.3 B J	36.9 B
Cadmium	5	<2	<2
Chromium	100	<5	<5
Copper	1,300	<25	<25
Iron	26,000	704	1,000
Mongonese	880	**4,830 J**	**2,040**
Nickel	730	13 B	4.3 B
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	798	567

LAW12-60

Metals	MCL/RSL	11/19/09
Aluminum	37,000	123 B
Arsenic	10	<10
Barium	2,000	67.2 B
Cadmium	5	1.8 B
Chromium	100	<5
Copper	1,300	<25
Iron	26,000	460
Mongonese	880	429
Nickel	730	3.5 B
Selenium	50	<5
Thallium	2	<10
Tin	22,000	9.5 B

LAW05-60

Metals	MCL/RSL	11/17/09
Aluminum	37,000	1,210
Arsenic	10	5.5 B
Barium	2,000	135 B
Cadmium	5	<2
Chromium	100	3.3 B
Copper	1,300	<25
Iron	26,000	1,840
Mongonese	880	**1,000**
Nickel	730	6 B
Selenium	50	<5
Thallium	2	<10
Tin	22,000	17.2 B

LAW05-150

Metals	MCL/RSL	11/17/09
Aluminum	37,000	1,570
Arsenic	10	4.5 B
Barium	2,000	65.8 B
Cadmium	5	1.4 B
Chromium	100	13.2
Copper	1,300	7.6 B
Iron	26,000	2,310
Mongonese	880	69.9
Nickel	730	<40
Selenium	50	<5
Thallium	2	<10
Tin	22,000	27.2 B

UAW05-20

Metals	MCL/RSL	11/5/08	11/17/09
Aluminum	37,000	<200	<200
Arsenic	10	<10	<10
Barium	2,000	262 J	92.3 B
Cadmium	5	<2	<2
Chromium	100	**192**	**770**
Copper	1,300	<25	<25
Iron	26,000	2,400 J	50,700
Mongonese	880	**1,310**	**1,620**
Nickel	730	82.6	**3,600**
Selenium	50	<5	<5
Thallium	2	<10	**6.8 B**
Tin	22,000	3,790	891

UAW06-20

Metals	MCL/RSL	11/4/08	11/17/09
Aluminum	37,000	<200	<200
Arsenic	10	5.8 B	4.4 B
Barium	2,000	190 B	91.9 B
Cadmium	5	<2	<2
Chromium	100	<5	<5
Copper	1,300	<25	<25
Iron	26,000	428	168
Mongonese	880	**1,790**	**1,100**
Nickel	730	7.8 B	6.8 B
Selenium	50	<5	<5
Thallium	2	**5.9 B**	<10
Tin	22,000	848	1,340

UAW03-20

Metals	MCL/RSL	11/4/08	11/16/09
Aluminum	37,000	434	1,490
Arsenic	10	**24.2**	**10.3**
Barium	2,000	153 B	137 B
Cadmium	5	<2	<2
Chromium	100	3.5 B	11.3
Copper	1,300	<25	13 B
Iron	26,000	17,100	5,620
Mongonese	880	**1,800**	**1,260**
Nickel	730	23.1 B	68.2
Selenium	50	<5	<5
Thallium	2	<10	7.2 B
Tin	22,000	1,710	2,150

UAW04-20

Metals	MCL/RSL	11/3/08	11/16/09
Aluminum	37,000	<200	<200
Arsenic	10	**15.6**	**67.9**
Barium	2,000	157 B	202
Cadmium	5	<2	<2
Chromium	100	<5	<5
Copper	1,300	<25	<25
Iron	26,000	4,300	8,570
Mongonese	880	**1,430**	**1,610**
Nickel	730	7 B	8.6 B
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	341	179

UAW02-20

Metals	MCL/RSL	11/7/08	11/12/09
Aluminum	37,000	159 B	<200
Arsenic	10	<10	<10
Barium	2,000	132 B J	173 B
Cadmium	5	<2	<2
Chromium	100	2.9 B	3.1 B
Copper	1,300	<25	<25
Iron	26,000	1,520	3,160
Mongonese	880	567 J	423
Nickel	730	9.8 B	13 B
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	<100	94.1 B

UAW02-40

		Dup	
Metals	MCL/RSL	11/18/08	11/12/09	11/12/09
Aluminum	37,000	<200	<200	<200
Arsenic	10	<10	<10	<10
Barium	2,000	116 B J	117 B	118 B
Cadmium	5	<2	<2	<2
Chromium	100	<5	<5	<5
Copper	1,300	<25	<25	<25
Iron	26,000	5,040	4,190	4,340
Mongonese	880	610 J	538	592
Nickel	730	<40	<40	<40
Selenium	50	<5	<5	<5
Thallium	2	<10	<10	10 U
Tin	22,000	<100	<100	<100

UAW24-70

Metals	MCL/RSL	11/13/08	11/24/09
Aluminum	37,000	<200	<200
Arsenic	10	**13.8**	21.6
Barium	2,000	244	176 B
Cadmium	5	<2	<2
Chromium	100	<5	<5
Copper	1,300	<25	<25
Iron	26,000	1,510	1,140
Mongonese	880	171 J	95.6
Nickel	730	<40	<40
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	3.9 B	<100

UAW15-50

Metals	MCL/RSL	11/14/08	11/11/09
Aluminum	37,000	<200	<200
Arsenic	10	**46.7**	42.7
Barium	2,000	382 J	351
Cadmium	5	<2	<2
Chromium	100	<5	<5
Copper	1,300	<25	<25
Iron	26,000	8,680	5,760
Mongonese	880	834	899
Nickel	730	41.7	31.6 B
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	1,200	827

UAW15-20

Metals	MCL/RSL	11/14/08	11/11/09
Aluminum	37,000	<200	<200
Arsenic	10	<10	<10
Barium	2,000	225 J	524
Cadmium	5	<2	<2
Chromium	100	**106**	**246**
Copper	1,300	<25	17.7 B
Iron	26,000	640	3,730
Mongonese	880	70.8	233
Nickel	730	94.7	822
Selenium	50	<5	<5
Thallium	2	<10	10 U
Tin	22,000	138	154

UAW18-20

Metals	MCL/RSL	11/18/08	11/24/09
Aluminum	37,000	353	<200
Arsenic	10	4.6 B	4.4 B
Barium	2,000	281 J	489
Cadmium	5	<2	<2
Chromium	100	2.5 B	<5
Copper	1,300	<25	<25
Iron	26,000	4,870	11,400
Mongonese	880	**1,890 J**	**4,690**
Nickel	730	34.9 B	23.9 B
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	391	1,260

UAW17-40

Metals	MCL/RSL	11/7/08	11/13/09
Aluminum	37,000	<200	<200
Arsenic	10	3.9 B	5 B
Barium	2,000	190 B J	165 B
Cadmium	5	<2	<2
Chromium	100	<5	<5
Copper	1,300	<25	<25
Iron	26,000	1,640	1,620
Mongonese	880	285 J	329
Nickel	730	<40	<40
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	<100	<100

UAW01-30

Metals	MCL/RSL	11/5/08	11/12/09
Aluminum	37,000	<200	<200
Arsenic	10	<10	**17.9**
Barium	2,000	121 B J	290
Cadmium	5	<2	<2
Chromium	100	25.5	115
Copper	1,300	<25	<25
Iron	26,000	3,360 J	6,580
Mongonese	880	**1,700**	397
Nickel	730	32.3 B	31.7 B
Selenium	50	<5	<5
Thallium	2	**4.9 B**	<10
Tin	22,000	12.8 B	11.5 B

UAW01-80

Metals	MCL/RSL	11/5/08	11/12/09
Aluminum	37,000	<200	<200
Arsenic	10	<10	<10
Barium	2,000	266 J	272
Cadmium	5	<2	<2
Chromium	100	<5	<5
Copper	1,300	<25	<25
Iron	26,000	7,730 J	8,080
Mongonese	880	428	424
Nickel	730	<40	<40
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	<100	<100

UAW21-80

Metals	MCL/RSL	11/5/08	11/13/09
Aluminum	37,000	<200	<200
Arsenic	10	20.7 J	43.8
Barium	2,000	157 B J	214
Cadmium	5	<2	<2
Chromium	100	<5	<5
Copper	1,300	6.3 B	<25
Iron	26,000	<100	2,500
Mongonese	880	0.89 B	76.6
Nickel	730	<40	6.8 B
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	<100	<100

UAW21-30

Metals	MCL/RSL	11/5/08	11/13/09
Aluminum	37,000	<200	<200
Arsenic	10	<10	<10
Barium	2,000	48 B J	58.4 B
Cadmium	5	<2	<2
Chromium	100	**21.5**	**201**
Copper	1,300	<25	6 B
Iron	26,000	643 J	2,500
Mongonese	880	40.9	121
Nickel	730	261	249
Selenium	50	4.8 B	<5
Thallium	2	<10	10 U
Tin	22,000	<100	3.7 B

UAW25-20

Metals	MCL/RSL	11/3/08	11/12/09
Aluminum	37,000	<200	<200
Arsenic	10	**93.3**	**14.7**
Barium	2,000	686	247
Cadmium	5	<2	<2
Chromium	100	**206**	11.6
Copper	1,300	10.4 B	<25
Iron	26,000	**55,000**	8,780
Mongonese	880	**1,190**	**1,460**
Nickel	730	19.2 B	13.4 B
Selenium	50	<5	<5
Thallium	2	<10	10 U
Tin	22,000	<111	129

UAW09-60

Metals	MCL/RSL	11/12/08	11/18/09
Aluminum	37,000	<200	<200
Arsenic	10	9.1 B	5.4 B
Barium	2,000	323	290
Cadmium	5	<2	<2
Chromium	100	<5	<5
Copper	1,300	<25	<25
Iron	26,000	<100	<100
Mongonese	880	123 J	154
Nickel	730	<40	<40
Selenium	50	<5	<5
Thallium	2	<10	5 B
Tin	22,000	<100	<100

UAW09-20

Metals	MCL/RSL	11/12/08	11/18/09
Aluminum	37,000	<200	<200
Arsenic	10	<10	<10
Barium	2,000	76.2 B	45.7 B
Cadmium	5	<2	<2
Chromium	100	143	27.1
Copper	1,300	<25	<25
Iron	26,000	1,430	202
Mongonese	880	23.9 J	6.7 B
Nickel	730	133	48.5
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	<100	<100

UAW14-10

Metals	MCL/RSL	11/13/08	11/24/09
Aluminum	37,000	<200	<200
Arsenic	10	8.3 B	<10
Barium	2,000	59.1 B	76.8 B
Cadmium	5	<2	<2
Chromium	100	<5	<5
Copper	1,300	<25	<25
Iron	26,000	2,470	910
Mongonese	880	143 J	30.1
Nickel	730	<40	<40
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	<100	5.2 B

MW-EPA-4

Metals	MCL/RSL	11/6/08	11/19/09
Aluminum	37,000	<200	<200
Arsenic	10	<10	<10
Barium	2,000	123 B J	208
Cadmium	5	<2	<2
Chromium	100	**846**	**221**
Copper	1,300	12.4 B	5.2 B
Iron	26,000	3,110	712
Mongonese	880	224 J	81.6
Nickel	730	273	249
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	<100	27.3 B

UAW26-70

Metals	MCL/RSL	11/6/08	11/19/09
Aluminum	37,000	<200	131 B
Arsenic	10	<10	5.9 B
Barium	2,000	285 J	245
Cadmium	5	<2	<2
Chromium	100	<5	<5
Copper	1,300	4.9 B	<25
Iron	26,000	<100	3,190
Mongonese	880	<5	279
Nickel	730	4.2 B	<40
Selenium	50	<5	<5
Thallium	2	<10	<10
Tin	22,000	<100	<100

APPENDIX A

GROUNDWATER SAMPLING LOGS

PARSONS

Troll 9000 — Low-Flow System
11/19/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	85 [ft]
Pump placement from TOC	73 [ft]

Well Information:

Well Id	UAW26-70
Well diameter	4 [in]
Depth to Water	21.17 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	9:51:13	54.41	6.89	822.65	12.89	0.95	-71.56
	9:54:15	53.98	6.90	817.30	11.11	0.92	-70.36
	9:57:15	53.72	6.91	814.56	11.57	0.94	-69.38
	10:00:14	53.73	6.91	814.37	13.15	1.16	-68.40
	10:00:51	53.68	6.91	813.78	12.56	1.13	-68.27
Variance in last 3 readings	9:57:15	-0.26	0.01	-2.74	0.46	0.02	0.98
	10:00:14	0.01	0.00	-0.19	1.58	0.22	0.98
	10:00:51	-0.04	0.00	-0.59	-0.59	-0.03	0.13

Notes: Sample time: 10:05. Final DTW=21.20'.

All stable; but turbidity and RDO slightly out.

PARSONS

Troll 9000 — Low-Flow System
11/12/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	25 [ft]
Pump placement from TOC	19 [ft]

Well Information:

Well Id	UAW25-20
Well diameter	4 [in]
Depth to Water	17.21 [ft]

Pumping information:

Final pumping rate	140 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	231 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-0.01 +/-10 %	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	12:13:29	59.08	5.97	3297.10	108.48	0.60	-44.49
	12:16:29	59.17	5.95	3293.43	98.63	0.56	-32.22
	12:19:29	59.18	5.95	3296.08	88.94	0.58	-36.71
	12:22:30	59.24	5.96	3302.82	85.69	0.57	-39.06
	12:25:30	59.47	5.96	3317.82	83.49	0.56	-37.82
Variance in last 3 readings	12:19:29	0.01	0.01	2.65	-9.69	0.02	-4.49
	12:22:30	0.06	0.01	6.74	-3.25	-0.01	-2.35
	12:25:30	0.23	-0.01	15.00	-2.20	-0.01	1.24

Notes: Sample time: 12:30. Final DTW=17.25 ft.

PARSONS

Troll 9000 — Low-Flow System
11/24/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	72 [ft]
Pump placement from TOC	65 [ft]

Well Information:

Well Id	UAW-24-70
Well diameter	2 [in]
Depth to Water	36.84 [ft]

Pumping information:

Final pumping rate	140 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	231 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	13:52:51	58.67	7.29	594.80	4.80	2.43	-82.91
	13:55:51	58.68	7.28	591.69	2.54	2.13	-82.44
	13:58:51	58.69	7.26	589.64	1.55	1.90	-85.22
	14:01:52	58.72	7.24	588.11	1.78	1.69	-88.38
	14:04:51	58.71	7.23	586.39	1.34	1.42	-90.26
Variance in last 3 readings	13:58:51	0.00	-0.02	-2.05	-0.99	-0.24	-2.78
	14:01:52	0.04	-0.02	-1.53	0.23	-0.21	-3.16
	14:04:51	-0.01	-0.01	-1.72	-0.44	-0.27	-1.88

Notes: Sample time: 14:15. Final DTW=36.55 ft.

PARSONS

Troll 9000 | Low-Flow System
11/24/09 | ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	27 [ft]
Pump placement from TOC	23 [ft]

Well Information:

Well Id	UAW-23-20
Well diameter	2 [in]
Depth to Water	19.99 [ft]

Pumping information:

Final pumping rate	100 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	323 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-0.01 +/-10 %	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	12:57:51	58.31	6.88	1836.22	179.36	1.35	-87.74
	13:00:51	58.35	6.88	1835.73	173.72	1.31	-98.00
	13:03:52	58.34	6.89	1837.15	156.10	1.24	-73.93
	13:06:51	58.42	6.89	1838.13	145.23	1.20	-71.71
	13:09:51	58.43	6.89	1839.63	135.93	1.19	-89.36
Variance in last 3 readings	13:03:52	-0.01	0.01	1.42	-17.63	-0.07	24.07
	13:06:51	0.08	0.00	0.97	-10.87	-0.04	2.22
	13:09:51	0.01	-0.01	1.51	-9.30	-0.02	-17.66

Notes: Sample time: 13:15. Final DTW=20.05 ft.

All parameters were stable, but ORP and turbidity were high.

PARSONS

Troll 9000 | Low-Flow System
11/11/09 | ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	25 [ft]
Pump placement from TOC	15 [ft]

Well Information:

Well Id	UAW22-20
Well diameter	4 [in]
Depth to Water	12.18 [ft]

Pumping information:

Final pumping rate	160 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	202 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	13:02:55	65.26	6.53	9829.36	18.11	0.27	-163.39
	13:03:33	65.23	6.55	9769.59	19.17	0.27	-142.49
	13:03:52	65.17	6.54	9681.89	19.85	0.27	-164.68
	13:06:52	65.16	6.54	9449.38	22.80	0.25	-165.10
	13:09:51	65.17	6.55	9227.76	24.04	0.26	-158.35
Variance in last 3 readings	13:03:52	-0.06	-0.01	-87.70	0.68	0.00	-22.19
	13:06:52	-0.01	0.00	-232.51	2.95	-0.01	-0.43
	13:09:51	0.01	0.01	-221.62	1.24	0.01	6.75

Notes: Sample time: 13:15. Final DTW=12.33 ft.

All stable, but turbidity and ORP slightly out.

PARSONS

Troll 9000 — Low-Flow System
11/13/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	83 [ft]
Pump placement from TOC	70 [ft]

Well Information:

Well Id	UAW21-80
Well diameter	4 [in]
Depth to Water	27.91 [ft]

Pumping information:

Final pumping rate	160 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	202 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	9:20:28	56.99	6.88	874.68	0.30	0.82	-72.52
	9:23:27	57.23	6.88	877.18	0.69	0.65	-71.62
	9:26:27	57.26	6.88	879.46	0.59	0.59	-71.11
	9:29:27	57.36	6.89	878.77	-0.07	0.51	-70.77
	9:32:27	57.67	6.88	882.67	0.42	0.43	-70.60
Variance in last 3 readings	9:26:27	0.03	0.00	2.28	-0.10	-0.07	0.51
	9:29:27	0.10	0.00	-0.69	-0.66	-0.08	0.34
	9:32:27	0.31	0.00	3.90	0.49	-0.07	0.17

Notes: Sample time: 09:40. Final DTW=27.93 ft.

PARSONS

Troll 9000 | Low-Flow System
11/13/09 | ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	32 [ft]
Pump placement from TOC	26 [ft]

Well Information:

Well Id	UAW21-30
Well diameter	4 [in]
Depth to Water	24.84 [ft]

Pumping information:

Final pumping rate	110 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	294 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-0.01 +/-10 %	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	10:56:00	62.01	6.83	856.76	61.58	4.73	29.77
	10:59:00	62.15	6.84	857.63	53.75	4.72	31.26
	11:02:00	62.31	6.83	861.56	53.26	4.75	29.98
	11:05:00	62.52	6.83	855.45	47.16	4.73	28.01
	11:08:01	62.82	6.83	863.53	41.51	4.78	28.87
Variance in last 3 readings	11:02:00	0.16	-0.01	3.93	-0.49	0.03	-1.28
	11:05:00	0.20	0.01	-6.11	-6.10	-0.02	-1.97
	11:08:01	0.30	0.00	8.08	-5.65	0.04	0.86

Notes: Sample time: 11:15. Final DTW=25.3 ft.

All stable, but turbidity slightly out.

PARSONS

Troll 9000 — Low-Flow System
11/23/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	60 [ft]
Pump placement from TOC	53 [ft]

Well Information:

Well Id	UAW20-60
Well diameter	4 [in]
Depth to Water	36.72 [ft]

Pumping information:

Final pumping rate	130 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	249 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	14:54:09	59.27	6.70	1324.00	3.03	1.01	66.35
	14:57:10	59.23	6.70	1324.86	2.65	0.80	73.57
	15:00:10	59.10	6.71	1329.28	2.66	0.70	89.60
	15:03:10	59.18	6.71	1335.99	1.74	0.63	93.20
	15:06:10	59.14	6.71	1343.49	2.37	0.57	92.77
Variance in last 3 readings	15:00:10	-0.12	0.01	4.42	0.01	-0.10	16.03
	15:03:10	0.07	0.00	6.72	-0.92	-0.07	3.59
	15:06:10	-0.03	0.00	7.50	0.63	-0.06	-0.43

Notes: Sample time: 15:10. Final DTW=36.75 ft.

PARSONS

Troll 9000 — Low-Flow System
11/23/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	85 [ft]
Pump placement from TOC	70 [ft]

Well Information:

Well Id	UAW19-80
Well diameter	4 [in]
Depth to Water	41.16 [ft]

Pumping information:

Final pumping rate	130 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	249 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	13:45:09	58.17	6.80	1142.13	1.61	0.46	57.37
	13:48:09	58.11	6.81	1143.39	1.31	0.44	69.39
	13:51:09	58.18	6.78	1146.34	1.54	0.44	59.30
	13:54:08	58.17	6.78	1147.06	1.44	0.42	61.35
	13:57:10	58.19	6.78	1148.68	1.30	0.40	64.55
Variance in last 3 readings	13:51:09	0.07	-0.03	2.95	0.23	0.00	-10.09
	13:54:08	-0.01	0.00	0.73	-0.10	-0.02	2.05
	13:57:10	0.02	0.00	1.61	-0.14	-0.02	3.21

Notes: Sample time: 14:05. Final DTW=41.15 ft.

PARSONS

Troll 9000 — Low-Flow System
11/24/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	20 [ft]
Pump placement from TOC	15 [ft]

Well Information:

Well Id	UAW18-20
Well diameter	4 [in]
Depth to Water	11.81 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	9:30:38	64.68	6.38	5408.92	7.01	0.52	-156.26
	9:33:40	64.80	6.38	5425.81	5.41	0.44	-154.81
	9:36:42	64.74	6.39	5517.80	4.65	0.40	-151.18
	9:39:43	64.71	6.39	5581.23	3.50	0.35	-140.32
	9:42:43	64.72	6.39	5628.97	4.29	0.32	-141.43
Variance in last 3 readings	9:36:42	-0.06	0.00	91.99	-0.77	-0.04	3.63
	9:39:43	-0.03	0.01	63.43	-1.15	-0.05	10.86
	9:42:43	0.01	0.00	47.73	0.79	-0.03	-1.11

Notes: Sample time: 09:50. Final DTW=11.84 ft.

PARSONS

Troll 9000 — Low-Flow System
11/13/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	40 [ft]
Pump placement from TOC	34 [ft]

Well Information:

Well Id	UAW17-40
Well diameter	4 [in]
Depth to Water	11.3 [ft]

Pumping information:

Final pumping rate	160 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	202 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	12:32:16	61.42	7.00	586.09	6.29	3.43	-62.66
	12:35:16	61.45	7.00	586.10	4.04	3.53	-61.25
	12:38:17	61.71	7.00	586.91	4.05	3.23	-61.13
	12:41:17	61.56	7.00	586.10	5.59	3.15	-60.87
	12:44:16	61.56	7.00	586.10	4.29	3.13	-60.48
Variance in last 3 readings	12:38:17	0.26	0.00	0.82	0.01	-0.30	0.13
	12:41:17	-0.16	0.00	-0.81	1.53	-0.08	0.26
	12:44:16	0.01	0.00	0.00	-1.30	-0.02	0.38

Notes: Sample time: 13:10. Final DTW=11.34 ft.

All stable, but RDO slightly out.

PARSONS

Troll 9000 — Low-Flow System
11/20/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	18 [ft]
Pump placement from TOC	12 [ft]

Well Information:

Well Id	UAW16-10
Well diameter	4 [in]
Depth to Water	10.09 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	13:09:45	63.30	6.48	1997.13	1.46	0.27	-126.18
	13:12:44	62.97	6.49	1986.23	0.88	0.23	-108.95
	13:15:45	62.98	6.47	1988.60	0.63	0.21	-135.49
	13:18:46	63.15	6.47	1999.19	0.84	0.20	-137.29
	13:21:45	63.21	6.47	2000.38	0.75	0.18	-139.85
Variance in last 3 readings	13:15:45	0.01	-0.02	2.37	-0.25	-0.02	-26.55
	13:18:46	0.17	0.00	10.59	0.21	-0.01	-1.80
	13:21:45	0.06	0.00	1.19	-0.09	-0.02	-2.56

Notes: Sample time: 13:30. Final DTW=10.12 ft.

PARSONS

Troll 9000 — Low-Flow System
11/11/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	54 [ft]
Pump placement from TOC	44 [ft]

Well Information:

Well Id	UAW15-50
Well diameter	4 [in]
Depth to Water	23.3 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	11:08:09	59.74	7.32	1404.71	1.44	0.92	-110.65
	11:10:12	59.84	7.31	1401.03	1.60	0.82	-111.89
	11:13:13	59.70	7.31	1390.71	0.71	0.72	-113.64
	11:16:14	59.73	7.31	1389.88	0.45	0.65	-115.35
	11:19:13	59.76	7.30	1387.47	1.14	0.59	-116.84
Variance in last 3 readings	11:13:13	-0.14	0.01	-10.32	-0.90	-0.10	-1.75
	11:16:14	0.03	0.00	-0.83	-0.26	-0.07	-1.71
	11:19:13	0.03	0.00	-2.41	0.69	-0.06	-1.50

Notes: Sample time: 11:30. Final DTW=23.32 ft.

PARSONS

Troll 9000 | Low-Flow System
11/11/09 | ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	25 [ft]
Pump placement from TOC	14 [ft]

Well Information:

Well Id	UAW15-20
Well diameter	2 [in]
Depth to Water	10.51 [ft]

Pumping information:

Final pumping rate	110 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	294 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-0.01 +/-10 %	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	10:11:00	60.73	6.23	8449.57	113.78	0.87	26.79
	10:14:01	60.69	6.28	8422.79	110.90	0.86	28.12
	10:17:01	60.53	6.32	8397.16	98.59	0.89	28.97
	10:20:00	60.70	6.35	8382.88	97.23	0.87	30.08
	10:23:02	61.02	6.37	8397.51	85.78	0.89	31.07
Variance in last 3 readings	10:17:01	-0.16	0.04	-25.64	-12.31	0.03	0.86
	10:20:00	0.17	0.03	-14.28	-1.36	-0.02	1.11
	10:23:02	0.32	0.03	14.63	-11.45	0.02	0.98

Notes: Sample time: 10:30. Final DTW=10.58 ft.

All parameters were stable, but turbidity was high.

PARSONS

Troll 9000 — Low-Flow System
11/24/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	18 [ft]
Pump placement from TOC	13 [ft]

Well Information:

Well Id	UAW14-10
Well diameter	4 [in]
Depth to Water	8.45 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	11:05:53	57.12	6.90	669.90	16.82	1.40	16.78
	11:08:54	57.07	6.90	669.51	16.81	1.39	21.49
	11:11:54	57.20	6.89	671.09	14.93	1.40	20.29
	11:14:54	57.19	6.90	670.17	14.99	1.40	24.61
	11:16:00	57.17	6.91	669.90	14.57	1.40	34.10
Variance in last 3 readings	11:11:54	0.13	-0.01	1.59	-1.88	0.01	-1.20
	11:14:54	-0.01	0.01	-0.93	0.06	0.01	4.32
	11:16:00	-0.02	0.01	-0.26	-0.42	0.00	9.49

Notes: Sample time: 11:20. Final DTW=8.48 ft.

PARSONS

Troll 9000 — Low-Flow System
11/19/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	20 [ft]
Pump placement from TOC	14 [ft]

Well Information:

Well Id	UAW13-20
Well diameter	4 [in]
Depth to Water	10.32 [ft]

Pumping information:

Final pumping rate	130 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	249 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	14:01:45	62.42	6.25	6346.73	6.93	0.50	-367.36
	14:04:45	62.77	6.25	6316.82	1.28	0.52	-365.73
	14:07:45	62.80	6.26	6347.18	0.94	0.38	-341.28
	14:10:46	62.81	6.26	6358.08	0.20	0.33	-348.03
	14:13:45	62.98	6.26	6363.72	0.36	0.29	-343.63
Variance in last 3 readings	14:07:45	0.03	0.01	30.36	-0.34	-0.13	24.45
	14:10:46	0.01	0.00	10.90	-0.75	-0.05	-6.75
	14:13:45	0.17	0.00	5.64	0.17	-0.04	4.40

Notes: Sample time: 14:30. Final DTW=10.35 ft.

PARSONS

Troll 9000 — Low-Flow System
11/19/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	20 [ft]
Pump placement from TOC	14 [ft]

Well Information:

Well Id	UAW12-20
Well diameter	4 [in]
Depth to Water	9.66 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-0.01 +/-10 %	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	12:22:10	55.43	6.53	5675.56	49.88	0.46	-191.53
	12:25:11	55.58	6.53	5710.11	45.89	0.35	-203.97
	12:28:10	55.43	6.53	5702.29	40.13	0.18	-213.07
	12:31:10	55.50	6.53	5709.08	39.16	0.15	-219.70
	12:34:12	55.70	6.53	5725.38	38.15	0.15	-224.49
Variance in last 3 readings	12:28:10	-0.15	0.00	-7.81	-5.76	-0.17	-9.11
	12:31:10	0.07	0.00	6.79	-0.98	-0.03	-6.63
	12:34:12	0.20	0.00	16.30	-1.01	-0.01	-4.79

Notes: Sample time: 12:45. Final DTW=9.70 ft.

PARSONS

Troll 9000 — Low-Flow System
11/18/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	43 [ft]
Pump placement from TOC	38 [ft]

Well Information:

Well Id	UAW11-40
Well diameter	4 [in]
Depth to Water	15.12 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	13:48:56	62.28	7.04	2367.87	23.89	1.13	45.75
	13:51:57	62.19	7.03	2368.15	14.12	1.12	48.75
	13:52:29	62.19	7.03	2368.52	18.40	1.13	49.26
	13:55:29	62.13	7.02	2367.33	14.75	1.13	51.44
	13:58:31	62.12	7.02	2369.40	13.12	1.11	53.19
Variance in last 3 readings	13:52:29	0.01	0.00	0.37	4.28	0.02	0.51
	13:55:29	-0.06	-0.01	-1.19	-3.65	-0.01	2.18
	13:58:31	-0.01	0.00	2.07	-1.63	-0.02	1.75

Notes: Sample time: 14:15. Final DTW=15.13 ft.

PARSONS

Troll 9000 | Low-Flow System
11/18/09 | ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	20 [ft]
Pump placement from TOC	12 [ft]

Well Information:

Well Id	UAW11-10
Well diameter	4 [in]
Depth to Water	8.74 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	12:49:07	62.88	6.62	4710.86	1.07	0.72	-61.06
	12:52:08	63.46	6.62	4452.84	0.51	0.58	-63.83
	12:55:08	63.78	6.62	4283.77	0.56	0.55	-67.12
	12:58:07	63.86	6.62	4163.54	3.15	0.51	-70.97
	13:01:09	63.99	6.63	4121.54	0.95	0.46	-73.79
Variance in last 3 readings	12:55:08	0.32	0.00	-169.07	0.05	-0.03	-3.29
	12:58:07	0.08	0.00	-120.24	2.59	-0.04	-3.85
	13:01:09	0.13	0.00	-41.99	-2.20	-0.05	-2.82

Notes: Sample time: 13:10. Final DTW=8.76 ft.

PARSONS

Troll 9000 — Low-Flow System
11/20/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	92 [ft]
Pump placement from TOC	81 [ft]

Well Information:

Well Id	UAW10=80
Well diameter	4 [in]
Depth to Water	39.56 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	9:24:42	55.00	7.12	653.94	13.62	1.77	-102.58
	9:27:43	55.19	7.13	656.07	9.28	1.37	-105.52
	9:30:44	55.38	7.14	654.81	6.26	1.04	-107.96
	9:33:44	55.78	7.14	660.24	7.27	0.84	-110.23
	9:36:43	55.77	7.15	660.11	6.54	0.68	-112.19
Variance in last 3 readings	9:30:44	0.19	0.01	-1.26	-3.02	-0.33	-2.44
	9:33:44	0.41	0.00	5.43	1.00	-0.20	-2.26
	9:36:43	-0.01	0.01	-0.13	-0.73	-0.16	-1.97

Notes: Sample time: 09:45. Final DTW=39.59 ft.

PARSONS

Troll 9000 — Low-Flow System
11/20/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	55 [ft]
Pump placement from TOC	52 [ft]

Well Information:

Well Id	UAW10-50
Well diameter	4 [in]
Depth to Water	38.52 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	10:13:30	56.52	6.74	1033.61	7.32	0.72	31.75
	10:16:30	56.56	6.73	1035.81	5.92	0.59	33.11
	10:19:30	56.64	6.73	1038.65	6.50	0.49	34.27
	10:19:52	56.50	6.73	1042.45	6.73	0.49	34.22
	10:22:52	56.34	6.73	1039.29	5.91	0.43	34.09
Variance in last 3 readings	10:19:30	0.08	0.00	2.84	0.58	-0.09	1.15
	10:19:52	-0.14	0.00	3.80	0.23	-0.01	-0.04
	10:22:52	-0.16	0.00	-3.16	-0.81	-0.06	-0.13

Notes: Sample time: 10:30. Final DTW=38.55 ft.

PARSONS

Troll 9000 — Low-Flow System
11/18/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	63 [ft]
Pump placement from TOC	55 [ft]

Well Information:

Well Id	UAW09-60
Well diameter	4 [in]
Depth to Water	27.95 [ft]

Pumping information:

Final pumping rate	130 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	249 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	10:56:42	55.75	7.07	634.86	2.90	0.49	63.34
	10:59:42	55.94	7.07	636.05	1.93	0.44	63.81
	11:02:43	55.89	7.09	635.57	1.75	0.42	74.12
	11:05:43	55.89	7.09	635.45	1.63	0.38	74.63
	11:08:42	55.82	7.09	634.86	1.26	0.37	75.87
Variance in last 3 readings	11:02:43	-0.05	0.02	-0.48	-0.18	-0.03	10.30
	11:05:43	0.00	0.00	-0.12	-0.12	-0.03	0.51
	11:08:42	-0.07	0.00	-0.59	-0.36	-0.02	1.24

Notes: Sample time: 11:15. Final DTW=27.96 ft.

PARSONS

Troll 9000 | Low-Flow System
11/18/09 | ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	34 [ft]
Pump placement from TOC	24 [ft]

Well Information:

Well Id	UAW09-20
Well diameter	4 [in]
Depth to Water	21.97 [ft]

Pumping information:

Final pumping rate	130 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	249 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	9:35:38	56.29	7.15	605.64	5.49	7.05	17.95
	9:38:39	56.27	7.14	605.31	4.67	7.05	10.51
	9:41:39	56.09	7.15	603.59	4.75	7.07	18.93
	9:44:39	56.02	7.15	602.84	3.21	7.07	20.56
	9:47:40	56.06	7.14	602.84	4.05	7.07	12.60
Variance in last 3 readings	9:41:39	-0.18	0.01	-1.72	0.09	0.02	8.42
	9:44:39	-0.07	0.00	-0.75	-1.54	0.00	1.62
	9:47:40	0.04	-0.01	0.00	0.84	0.00	-7.95

Notes: Sample time: 10:00. Final DTW=22.00 ft.

All stable, but ORP.

PARSONS

Troll 9000 — Low-Flow System
11/16/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	21 [ft]
Pump placement from TOC	14 [ft]

Well Information:

Well Id	UAW08-20
Well diameter	4 [in]
Depth to Water	10.43 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	13:40:54	66.90	6.51	8637.74	0.64	0.09	-377.50
	13:43:55	66.71	6.51	8575.44	0.70	0.09	-378.95
	13:46:55	66.94	6.50	8598.25	0.95	0.08	-386.05
	13:49:55	66.82	6.49	8526.60	1.56	0.09	-398.92
	13:52:56	66.81	6.49	8519.04	0.75	0.09	-381.01
Variance in last 3 readings	13:46:55	0.23	-0.01	22.81	0.25	-0.01	-7.10
	13:49:55	-0.12	-0.01	-71.65	0.61	0.01	-12.87
	13:52:56	-0.01	0.00	-7.56	-0.80	0.00	17.91

Notes: Sample time: 14:00. Final DTW=10.50 ft.

PARSONS

Troll 9000 — Low-Flow System
11/16/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	21 [ft]
Pump placement from TOC	14 [ft]

Well Information:

Well Id	UAW07-20
Well diameter	4 [in]
Depth to Water	11.01 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	14:41:57	65.41	6.81	4679.93	2.59	0.83	-339.10
	14:44:57	65.35	6.81	4661.32	2.42	0.77	-344.10
	14:47:57	65.24	6.81	4648.56	3.07	0.63	-344.23
	14:49:46	65.19	6.82	4630.70	2.51	0.67	-332.99
	14:50:09	65.18	6.82	4626.46	2.54	0.66	-330.38
Variance in last 3 readings	14:47:57	-0.11	0.00	-12.76	0.65	-0.14	-0.13
	14:49:46	-0.04	0.01	-17.86	-0.57	0.03	11.24
	14:50:09	-0.02	0.00	-4.24	0.03	-0.01	2.61

Notes: Sample time: 15:00. Final DTW=11.03 ft.

PARSONS

Troll 9000 — Low-Flow System
11/17/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	20 [ft]
Pump placement from TOC	14 [ft]

Well Information:

Well Id	UAW06-20
Well diameter	4 [in]
Depth to Water	11.58 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	14:17:59	63.11	6.69	3149.89	16.19	3.45	-166.40
	14:21:00	62.63	6.69	3114.29	9.17	2.14	-172.21
	14:24:00	61.97	6.69	3071.92	9.75	1.05	-176.91
	14:27:00	61.58	6.70	3042.24	6.09	1.04	-181.57
	14:30:00	61.00	6.70	3006.45	34.41	1.53	-184.10
Variance in last 3 readings	14:24:00	-0.66	0.00	-42.36	0.57	-1.08	-4.70
	14:27:00	-0.39	0.01	-29.69	-3.66	-0.01	-4.66
	14:30:00	-0.58	0.01	-35.79	28.32	0.49	-2.52

Notes: Sample time: 14:40. Final DTW=11.60 ft.

Turbidity and RDO slightly out.

PARSONS

Troll 9000 — Low-Flow System
11/17/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	23 [ft]
Pump placement from TOC	15 [ft]

Well Information:

Well Id	UAW05-20
Well diameter	4 [in]
Depth to Water	12.07 [ft]

Pumping information:

Final pumping rate	140 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	231 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	9:37:24	55.24	6.10	3639.46	23.43	0.56	-75.70
	9:40:24	54.81	6.12	3614.00	20.25	0.57	-79.42
	9:43:24	54.63	6.14	3601.66	21.51	0.55	-82.54
	9:46:25	54.58	6.15	3593.98	21.38	0.53	-84.03
	9:49:25	54.59	6.16	3592.45	23.13	0.52	-85.27
Variance in last 3 readings	9:43:24	-0.19	0.02	-12.34	1.26	-0.02	-3.12
	9:46:25	-0.05	0.01	-7.67	-0.13	-0.02	-1.50
	9:49:25	0.02	0.01	-1.54	1.75	-0.01	-1.24

Notes: Sample time: 09:50. Final DTW=12.10 ft.

PARSONS

Troll 9000 — Low-Flow System
11/16/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	23 [ft]
Pump placement from TOC	16 [ft]

Well Information:

Well Id	UAW04-20
Well diameter	4 [in]
Depth to Water	11.47 [ft]

Pumping information:

Final pumping rate	160 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	202 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	11:51:32	64.51	6.70	3086.56	13.00	9.18	-79.45
	11:54:32	64.70	6.55	3068.45	17.46	9.29	-59.62
	11:57:32	64.68	6.74	3043.53	8.27	9.54	-77.36
	12:00:32	64.65	6.75	3026.62	12.83	9.79	-84.80
	12:03:33	64.59	6.77	3011.57	13.95	9.84	-77.62
Variance in last 3 readings	11:57:32	-0.02	0.19	-24.92	-9.20	0.26	-17.74
	12:00:32	-0.03	0.01	-16.91	4.56	0.25	-7.44
	12:03:33	-0.06	0.02	-15.05	1.12	0.05	7.18

Notes: Sample time: 12:10. Final DTW=11.52 ft.

PARSONS

Troll 9000 — Low-Flow System
11/16/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	23 [ft]
Pump placement from TOC	16 [ft]

Well Information:

Well Id	UAW03-20
Well diameter	4 [in]
Depth to Water	12.46 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-0.01 +/-10 %	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	10:29:40	63.96	5.88	5281.04	42.52	0.42	-34.78
	10:32:41	63.75	5.93	5314.04	42.46	0.40	-55.34
	10:35:42	63.71	5.91	5336.17	39.67	0.37	-55.64
	10:38:41	64.02	5.90	5383.62	39.91	0.35	-45.21
	10:41:42	63.99	5.97	5418.24	36.97	0.35	-63.47
Variance in last 3 readings	10:35:42	-0.04	-0.01	22.13	-2.79	-0.03	-0.30
	10:38:41	0.31	-0.02	47.45	0.24	-0.03	10.43
	10:41:42	-0.03	0.07	34.62	-2.94	0.01	-18.26

Notes: Sample time: 10:50. Final DTW=12.52 ft.

All stable, but ORP.

PARSONS

Troll 9000 | Low-Flow System
11/12/09 | ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	45 [ft]
Pump placement from TOC	38 [ft]

Well Information:

Well Id	UAW02-40
Well diameter	4 [in]
Depth to Water	13.28 [ft]

Pumping information:

Final pumping rate	160 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	202 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	10:43:21	59.16	6.97	806.06	19.11	7.14	-75.31
	10:43:59	59.16	6.97	804.19	14.47	7.18	-75.69
	10:44:30	59.13	6.97	803.81	15.29	7.24	-75.78
	10:45:37	59.06	6.97	803.44	11.43	7.36	-75.73
	10:45:59	59.02	6.97	802.32	15.01	7.32	-75.60
Variance in last 3 readings	10:44:30	-0.02	0.00	-0.37	0.82	0.06	-0.09
	10:45:37	-0.07	0.00	-0.37	-3.86	0.12	0.04
	10:45:59	-0.04	0.00	-1.12	3.58	-0.05	0.13

Notes: Sample time: 10:45. Final DTW=13.45 ft.

All stable, but turbidity slightly out.

PARSONS

Troll 9000 | Low-Flow System
11/12/09 | ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	23 [ft]
Pump placement from TOC	15 [ft]

Well Information:

Well Id	UAW02-20
Well diameter	4 [in]
Depth to Water	13.32 [ft]

Pumping information:

Final pumping rate	180 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	180 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	9:28:18	59.10	6.45	2935.99	31.47	1.49	-32.81
	9:31:17	58.96	6.40	2937.71	21.28	1.42	-32.68
	9:34:17	59.03	6.46	2938.43	18.06	1.41	-31.73
	9:37:19	59.15	6.26	2946.42	17.54	1.40	-26.30
	9:37:40	58.95	6.09	2935.01	17.97	1.41	-17.11
Variance in last 3 readings	9:34:17	0.07	0.06	0.72	-3.23	-0.01	0.94
	9:37:19	0.12	-0.20	7.99	-0.52	-0.01	5.43
	9:37:40	-0.20	-0.17	-11.42	0.43	0.01	9.19

Notes: Sample time: 09:45. Final DTW=13.37 ft.

all stable, but turbudity slightly out, and ORP

PARSONS

Troll 9000 — Low-Flow System
11/12/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	85 [ft]
Pump placement from TOC	74 [ft]

Well Information:

Well Id	UAW01-80
Well diameter	4 [in]
Depth to Water	25.34 [ft]

Pumping information:

Final pumping rate	160 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	202 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	13:31:53	62.80	6.83	769.03	2.84	2.64	-143.96
	13:34:54	62.71	6.85	767.32	1.82	2.21	-135.03
	13:35:17	62.66	6.85	766.30	2.46	2.16	-135.07
	13:38:16	62.59	6.86	764.94	2.26	1.85	-137.47
	13:41:17	62.86	6.87	765.61	1.43	1.55	-132.98
Variance in last 3 readings	13:35:17	-0.05	0.00	-1.02	0.64	-0.05	-0.04
	13:38:16	-0.07	0.00	-1.36	-0.20	-0.31	-2.39
	13:41:17	0.27	0.02	0.67	-0.84	-0.30	4.49

Notes: Sample time: 13:45. Final DTW=25.35 ft.

PARSONS

Troll 9000 | Low-Flow System
11/12/09 | ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	34 [ft]
Pump placement from TOC	28 [ft]

Well Information:

Well Id	UAW01-30
Well diameter	4 [in]
Depth to Water	25.61 [ft]

Pumping information:

Final pumping rate	140 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	231 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-0.01 +/-10 %	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	14:23:04	63.90	6.57	4257.17	95.16	1.66	-34.60
	14:26:05	63.99	6.58	4219.10	89.89	1.46	-60.34
	14:29:05	64.03	6.58	4198.01	73.79	1.37	-57.64
	14:32:05	64.20	6.58	4213.13	68.64	1.29	-61.92
	14:35:06	64.39	6.57	4231.86	75.06	1.30	-57.52
Variance in last 3 readings	14:29:05	0.04	0.00	-21.08	-16.11	-0.09	2.69
	14:32:05	0.17	0.00	15.12	-5.14	-0.08	-4.28
	14:35:06	0.19	-0.01	18.73	6.42	0.01	4.40

Notes: Sample time: 14:50. Final DTW=25.59 ft.

PARSONS

Troll 9000 — Low-Flow System
11/19/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	25 [ft]
Pump placement from TOC	15 [ft]

Well Information:

Well Id	MW-EPA-4
Well diameter	2 [in]
Depth to Water	16.25 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-0.01 +/-10 %	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	10:58:33	53.67	6.71	4096.05	22.66	4.65	56.93
	11:01:33	53.56	6.71	4085.66	20.91	4.68	57.57
	11:04:34	53.36	6.71	4070.08	19.00	4.69	58.34
	11:05:06	53.35	6.71	4070.51	19.69	4.68	58.47
	11:05:31	53.32	6.72	4067.01	20.30	4.69	58.51
Variance in last 3 readings	11:04:34	-0.20	0.00	-15.58	-1.91	0.01	0.77
	11:05:06	-0.01	0.00	0.43	0.70	0.00	0.13
	11:05:31	-0.03	0.00	-3.50	0.60	0.01	0.04

Notes: Sample time: 11:10. Final DTW=16.36 ft.

PARSONS

Troll 9000 | Low-Flow System
11/23/09 | ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	22 [ft]
Pump placement from TOC	15 [ft]

Well Information:

Well Id	MW-EPA-3
Well diameter	2 [in]
Depth to Water	9.77 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-0.01 +/-10 %	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	12:49:26	62.08	6.53	1190.64	60.59	0.59	-24.28
	12:52:26	61.92	6.53	1247.82	67.32	0.55	-26.07
	12:55:25	61.78	6.53	1273.70	74.90	0.54	-20.56
	12:58:26	61.63	6.53	1339.95	63.69	0.56	-20.35
	13:01:26	61.49	6.53	1369.90	54.86	0.56	-19.88
Variance in last 3 readings	12:55:25	-0.14	0.00	25.89	7.57	-0.01	5.51
	12:58:26	-0.15	0.00	66.24	-11.21	0.02	0.21
	13:01:26	-0.14	0.01	29.96	-8.83	0.01	0.47

Notes: Sample time: 13:15. Final DTW=9.80 ft.

All stable but turbidity and ORP slightly out

PARSONS

Troll 9000 — Low-Flow System
11/23/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	22 [ft]
Pump placement from TOC	15 [ft]

Well Information:

Well Id	MW-EPA-2
Well diameter	2 [in]
Depth to Water	9.67 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-0.01 +/-10 %	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	15:50:08	62.43	6.82	4013.69	117.67	1.59	97.94
	15:53:08	62.46	6.82	3915.84	95.80	1.77	79.90
	15:56:09	62.43	6.81	3880.18	86.18	1.90	78.02
	15:59:10	62.32	6.81	3858.79	87.06	1.97	80.41
	16:02:09	62.32	6.81	3882.15	89.05	1.99	82.89
Variance in last 3 readings	15:56:09	-0.02	-0.01	-35.66	-9.62	0.13	-1.88
	15:59:10	-0.12	0.00	-21.39	0.88	0.07	2.39
	16:02:09	0.00	0.00	23.36	1.99	0.02	2.48

Notes: Sample time: 16:20. Final DTW=9.68 ft.

PARSONS

Troll 9000 — Low-Flow System
11/20/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	0.17 [in]
Tubing Length	22 [ft]
Pump placement from TOC	15 [ft]

Well Information:

Well Id	MW-EPA-1
Well diameter	2 [in]
Depth to Water	11.42 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-0.01 +/-10 %	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	11:51:12	61.58	6.64	6710.21	28.40	0.36	-27.86
	11:54:13	61.76	6.64	6731.34	20.86	0.34	-29.18
	11:54:38	62.07	6.63	6733.09	22.16	0.33	-29.61
	11:57:38	61.59	6.64	6699.95	21.83	0.31	-29.69
	12:00:38	61.61	6.64	6698.67	22.91	0.28	-28.84
Variance in last 3 readings	11:54:38	0.31	0.00	1.75	1.30	-0.01	-0.43
	11:57:38	-0.48	0.01	-33.15	-0.33	-0.02	-0.09
	12:00:38	0.02	0.00	-1.27	1.08	-0.03	0.86

Notes: Sample time: 12:10. Final DTW=11.45 ft.

PARSONS

Troll 9000 — Low-Flow System
11/19/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	63 [ft]
Pump placement from TOC	55 [ft]

Well Information:

Well Id	LAW12-60
Well diameter	4 [in]
Depth to Water	16.63 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-0.01 +/-10 %	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	13:26:46	56.76	7.76	1749.13	18.54	0.47	-130.31
	13:29:47	56.86	7.78	1725.34	16.17	0.44	-132.02
	13:32:48	56.85	7.81	1685.68	15.40	0.42	-133.81
	13:35:47	56.52	7.84	1642.63	14.31	0.42	-134.45
	13:38:47	56.34	7.87	1607.90	15.32	0.42	-134.58
Variance in last 3 readings	13:32:48	-0.01	0.03	-39.66	-0.77	-0.02	-1.80
	13:35:47	-0.33	0.03	-43.06	-1.09	0.00	-0.64
	13:38:47	-0.18	0.02	-34.73	1.01	0.00	-0.13

Notes: Sample time: 13:50. Final DTW=16.63 ft.

PARSONS

Troll 9000 — Low-Flow System
11/17/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	152 [ft]
Pump placement from TOC	145 [ft]

Well Information:

Well Id	LAW05-150
Well diameter	2 [in]
Depth to Water	15.54 [ft]

Pumping information:

Final pumping rate	120 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	269 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-0.01 +/-10 %	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	10:24:19	57.64	9.62	543.05	91.77	4.00	-160.13
	10:27:19	57.96	10.44	467.38	78.79	4.67	-148.84
	10:30:21	58.24	10.51	435.06	82.41	4.95	-122.33
	10:33:20	58.68	10.74	428.97	77.60	5.32	-119.85
	10:36:20	58.74	10.80	428.05	82.13	5.46	-115.11
Variance in last 3 readings	10:30:21	0.28	0.06	-32.32	3.62	0.28	26.51
	10:33:20	0.44	0.23	-6.10	-4.81	0.37	2.48
	10:36:20	0.06	0.06	-0.92	4.53	0.14	4.75

Notes: Sample time: 10:45. Final DTW=15.55 ft.

PARSONS

Troll 9000 | Low-Flow System
11/17/09 | ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	63 [ft]
Pump placement from TOC	55 [ft]

Well Information:

Well Id	LAW05-60
Well diameter	2 [in]
Depth to Water	15.56 [ft]

Pumping information:

Final pumping rate	130 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	249 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-0.01 +/-10 %	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	11:51:43	66.56	8.59	354.90	385.68	5.76	-17.74
	11:54:43	66.60	8.25	402.91	390.68	5.30	-3.97
	11:57:44	66.51	7.93	498.23	477.95	4.96	7.57
	12:00:43	65.87	7.66	577.64	458.87	4.59	19.03
	12:03:43	65.67	7.47	563.38	420.93	4.24	27.03
Variance in last 3 readings	11:57:44	-0.09	-0.32	95.32	87.26	-0.34	11.54
	12:00:43	-0.64	-0.27	79.41	-19.08	-0.37	11.46
	12:03:43	-0.20	-0.19	-14.26	-37.94	-0.34	8.00

Notes: Sample time: 12:15. Final DTW=15.58 ft.

Parameters were unstable, waited 1 hr of purging

PARSONS

Troll 9000 — Low-Flow System
11/11/09 — ISI Low-Flow Log

Project Information:

Operator Name	P. Boughen
Company Name	Parsons
Project Name	GWS
Site Name	Rohm and Haas Cincinnati

Pump Information:

Pump Model/Type	QED SS Bladder
Tubing Type	Teflon 1/4" OD
Tubing Diameter	.17 [in]
Tubing Length	52 [ft]
Pump placement from TOC	43 [ft]

Well Information:

Well Id	UAW27-50
Well diameter	4 [in]
Depth to Water	35.38 [ft]

Pumping information:

Final pumping rate	160 [mL/min]
Flowcell volume	537.5 [mL]
Calculated Sample Rate	202 [sec]
Sample rate	180 [sec]

Low-Flow Sampling Stabilization Summary

	Time	Temp [F]	pH [pH]	Cond [µS/cm]	Turb [NTU]	RDO [mg/L]	ORP [mV]
Stabilization Settings			+/-0.2	+/-0.01 +/-10 %	+/-1	+/-0.2	+/-0.01 +/-10 %
Last 5 Readings	14:37:37	63.51	6.89	1210.58	0.91	0.27	27.29
	14:40:37	63.35	6.89	1208.54	1.21	0.26	47.90
	14:43:39	63.29	6.89	1206.54	4.04	0.26	48.07
	14:45:11	63.28	6.89	1204.60	4.22	0.26	49.31
	14:45:36	63.38	6.89	1206.38	3.86	0.25	51.70
Variance in last 3 readings	14:43:39	-0.06	0.00	-2.00	2.83	0.00	0.17
	14:45:11	-0.01	0.00	-1.94	0.18	0.00	1.24
	14:45:36	0.11	0.00	1.78	-0.35	0.00	2.39

Notes: Sample time: 14:50. Final DTW=35.41 ft.

APPENDIX B

HISTORIC GROUNDWATER ANALYTICAL DATA TABLES

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cyclohexane	Dibromochloromethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Isopropylbenzene
Groundwater																																
MW-EPA-1	5/8/2001	<500	<50	<50	<50		<500	<50	<50	1600	<100	<50		<50	<50			940	<120	160	<50	<50	<50	<50	<25	<25				19 J		<50
	11/15/2001	63 J B	31 J	<83	<83		<830	<83	<83	3200	<170	<83		<83	<83			1700	35 J	260	<83	<83	<83	<83	<42	<42				40 J		<83
	10/20/2002	220 J	<100	<100	NA		NA	<100	NA	3900	<100	<100		NA	NA			1900	NA	300 J	<100	<100	<100	NA	NA	NA				<100		NA
	11/12/2003	<2000	<200	<200	<200		<2000	<200	<200	4500	<200	<200		<200	<200			1700	<500	<500	<200	<200	<200	<200	<100	<100				<200		<200
	3/28/2004	<830	<83	<83	<83		<830	<83	<83	2800	<83	<83		<83	<83			1300	<500	<500	<83	<83	<83	<83	<42	<42				<83		<83
	11/4/2004	310 J B	49 J B	<100	<100		<1000	<100	<100	2500	<100	<100		<100	<100			1100	35 J	250 J	<100	<100	<100	<100	<50	<50				28 J		<100
	11/15/2005	<560	22 J	<56	<56		<560	<56	<56	1800	<56	<56		<56	<56			1000	33 J	220	<56	<56	<56	<56	<28	<28				26 J		<56
	11/8/2006	< 1200	< 120	< 120	< 120	< 120	< 1200	< 120	< 120	4400	< 120	< 120	< 120	< 120	< 120	< 250	< 120	1000	46 J	330	< 120	< 120	< 120	< 120	< 62	< 62	< 120	< 120	< 120	< 120	< 1200	< 120
	11/19/2007	< 2500	< 250	< 250	< 250	< 250	< 2500	< 250	< 250	7600	< 250	< 250	< 250	< 250	< 250	< 500	< 250	790	57 J	400	< 250	< 250	< 250	< 250	< 120	< 120	< 250	< 250	< 250	< 250	< 2500	< 250
	11/6/2008	4100	< 200	< 200	< 200	< 200	< 2000	< 200	< 200	6600	< 200	< 200	< 200	< 200	< 200	< 400	< 200	480	49 J	330	< 200	< 200	< 200	< 200	< 100	< 100	< 200	< 200	< 200	< 200	< 2000	< 200
	11/20/2009	< 2500	< 250	< 250	< 250	< 250	< 2500	< 250	< 250	7400	< 250	< 250	< 250	< 250	< 250	< 500	< 250	590	58 J	430	< 250	< 250	< 250	< 250	< 120	< 120	< 250	< 250	< 250	< 250	< 2500	< 250
MW-EPA-2	5/8/2001	<10	<1	<1	<1		<10	<1	<1	<1	<2	1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/14/2001	2 J	<3.3	<3.3	<3.3		<33	<3.3	<3.3	<3.3	<6.7	0.81 J		<3.3	<3.3			<10	<10	<10	<3.3	<3.3	<3.3	<3.3	<1.7	<1.7				<3.3		<3.3
	10/20/2002	3.4 J	<2.2	<2.2	NA		NA	<2.2	NA	<2.2	<2.2	1.3 J		NA	NA			<10	NA	<10	<2.2	<2.2	<2.2	NA	NA	NA				<2.2		NA
	11/11/2003	<25	<2.5	<2.5	<2.5		<25	<2.5	<2.5	<2.5	<2.5	<2.5		<2.5	<2.5			<10	<10	<10	<2.5	<2.5	<2.5	<2.5	<1.2	<1.2				<2.5		<2.5
	3/29/2004	<20	<2	<2	<2		<20	<2	<2	<2	<2	<2		<2	<2			<10	<10	<10	<2	<2	<2	<2	<1	<1				<2		<2
	11/4/2004	9.2 J B	0.89 J B	<3.3	<3.3		<33	<3.3	<3.3	<3.3	<3.3	1.2 J		<3.3	<3.3			<10	<10	<10	<3.3	<3.3	<3.3	<3.3	<1.7	<1.7				<3.3		<3.3
	11/11/2005	2.0 U	<2	<2	<2		<20	<2	<2	<2	<2	1.0 J		<2	<2			<2	<2	<2	<2	<2	<2	<2	<1	<1				<2		<2
	11/9/2006	< 140	< 14	< 14	< 14	< 14	< 140	< 14	< 14	< 14	< 14	41	< 14	< 14	< 14	< 29	< 14	< 14	< 14	< 14	< 14	7.3 J	440	2.6 J	43	< 7.1	< 14	< 14	< 14	< 14	< 140	< 14
	11/19/2007	< 50	< 5	< 5	< 5	< 5	< 50	< 5	< 5	< 5	< 5	1 J	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 2.5	< 5	< 5	< 5	< 5	< 50	< 5
	11/17/2008	< 17	< 1.7	< 1.7	< 1.7	< 1.7	< 17	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 3.3	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 0.84	< 0.84	< 1.7	< 1.7	< 1.7	< 1.7	< 17	< 1.7
	11/23/2009	< 20	1.2 J	< 2	< 2	< 2	< 20	< 2	< 2	< 2	< 2	0.63 J	< 2	< 2	< 2	< 4	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 1	< 2	< 2	< 2	< 2	< 20	< 2
MW-EPA-3	5/6/2001	<10	<1	<1	<1		<10	<1	<1	<1	<2	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/13/2001	2.6 J	<1	<1	<1		<10	<1	<1	<1	<2	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	10/17/2002	<10	<1	<1	NA		NA	<1	NA	<1	<1	<1		NA	NA			<10	NA	<10	<1	<1	<1	NA	NA	NA				<1		NA
	11/13/2003	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	3/30/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/4/2004	1.9 J B	0.31 J B	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/11/2005	0.87 U	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/7/2006	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/14/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/11/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/23/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Methyl Acetate	Methylene chloride	Methylcyclohexane	4-Methyl-2-pentanone	Methyl tert-butyl ether	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethan	Vinyl chloride	Xylenes (total)	1,2-Dichloroethene (total)
Groundwater																			
MW-EPA-1	5/8/2001		<50	<50	<500	<250			<50	<50		<50	<50	<50		<50	<100	30 J	<50
	11/15/2001		140 B	<83	<830	<420			<83	59 J		<83	<83	<83		<83	<170	93	<83
	10/20/2002		100 B	<100	NA	NA			NA	49 J		NA	NA	NA		NA	NA	<100	NA
	11/12/2003		<200	<200	<2000	<1000			<200	<200		<200	<200	<200		<200	<200	<200	NA
	3/28/2004		<83	<83	<830	<420			<83	<83		<83	<83	<83		<83	<83	<83	NA
	11/4/2004		85 J B	<100	<1000	<500			<100	<100		<100	<100	<100		<100	<100	130	NA
	11/15/2005		<56	<56	<560	<280			<56	12 J		<56	<56	<56		<56	<56	41 J	NA
	11/8/2006	< 1200	< 120	< 120	< 1200	< 620	< 120	< 120	< 120	< 120	< 120	< 120	< 120	< 120	< 120	< 120	< 120	< 120	NA
	11/19/2007	< 2500	< 250	< 250	< 2500	< 1200	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	NA
	11/6/2008	< 2000	< 730	< 200	< 2000	< 1000	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	NA
	11/20/2009	< 2500	< 250	< 250	< 2500	< 1200	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	< 250	NA
MW-EPA-2	5/8/2001		0.98 J	<1	<10	<5			11	<1		<1	<1	<1		<1	<2	<1	<1
	11/14/2001		2 J B	<3.3	<33	<17			45	<3.3		<3.3	<3.3	<3.3		<3.3	<6.7	<3.3	<3.3
	10/20/2002		1.1 J B	<2.2	NA	NA			NA	<2.2		NA	NA	NA		NA	NA	<2.2	NA
	11/11/2003		<2.5	<2.5	<25	<12			80	<2.5		<2.5	<2.5	<2.5		<2.5	<2.5	<2.5	NA
	3/29/2004		<2	<2	<20	<10			52	<2		<2	<2	<2		<2	<2	<2	NA
	11/4/2004		2.4 J B	<3.3	<33	<17			75	<3.3		<3.3	<3.3	<3.3		<3.3	<3.3	<3.3	NA
	11/11/2005		<2	<2	<20	<10			62	<2		<2	<2	<2		<2	<2	<2	NA
	11/9/2006	< 140	< 14	< 14	< 140	< 71	< 14	< 14	45	< 14	< 14	20	5 J	6 J	< 14	3.9 J	< 14	< 14	NA
	11/19/2007	< 50	< 5	< 5	< 50	< 25	< 5	< 5	79	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	NA
	11/17/2008	< 17	< 1.7	< 1.7	< 17	< 8.4	< 1.7	< 1.7	59	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	NA
	11/23/2009	< 20	< 2	< 2	< 20	< 10	< 2	< 2	68	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	NA
MW-EPA-3	5/6/2001		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<2	<1	<1
	11/13/2001		<1	<1	<10	<5			<1	0.3 J		<1	<1	<1		<1	<2	<1	<1
	10/17/2002		<1	<1	NA	NA			NA	<1		NA	NA	NA		NA	NA	<1	NA
	11/13/2003		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	3/30/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/4/2004		<1	<1	<10	0.2 J			<1	0.21 J		<1	<1	<1		<1	<1	0.51 J	NA
	11/11/2005		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/7/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/14/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/11/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/23/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cyclohexane	Dibromochloromethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Isopropylbenzene
Groundwater																																
MW-EPA-4	5/8/2001	<10	<1	<1	<1		<10	<1	<1	<1	<2	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/13/2001	2.5 J	<1	<1	<1		<10	<1	<1	<1	<2	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	10/18/2002	<10	<1	<1	NA		NA	<1	NA	<1	<1	<1		NA	NA			<10	NA	<10	<1	<1	<1	NA	NA	NA				<1		NA
	11/16/2003	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	4/6/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/6/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/10/2005	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/7/2006	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/14/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/6/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/19/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
Recovery Well	7/29/2001	1600	<29	<29	<29		<290	<29	<29	8.7 J	<57	<29		NA	<29			2.4 J	<10	<10	<57	<29	<29	<29	<14	<14				<29		NA
UAW01-30	5/4/2001	<10	<1	<1	<1		<10	<1	<1	1.6	<2	<1		<1	<1			<10	<10	<10	0.41 J	<1	<1	<1	<0.5	<0.5				<1		<1
	11/8/2001	<10	<1	<1	<1		<10	<1	<1	0.5 J	<2	<1		<1	<1			<10	<10	<10	0.38 J	<1	<1	<1	<0.5	<0.5				<1		<1
	10/17/2002	<10	<1	<1	NA		NA	<1	NA	0.47 J	<1	<1		NA	NA			<10	NA	<10	<1	<1	<1	NA	NA	NA				<1		NA
	11/11/2003	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	3/24/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/3/2004	1.1 J	<1	<1	<1		<10	<1	<1	0.23 J	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/8/2005	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/1/2006	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/8/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/5/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/12/2009	< 10	0.42 J	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	0.51 J	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
UAW01-80	5/4/2001	<10	<1	<1	<1		<10	<1	<1	<1	<2	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
	10/10/2001	1.2 J B	<1	<1	<1		<10	<1	<1	<1	<2	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/12/2001	<10	<1	<1	<1		<10	<1	<1	<1	<2	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
	10/17/2002	<10	<1	<1	NA		NA	<1	NA	<1	<1	<1		NA	NA						<1	<1	<1	NA	NA	NA				<1		NA
	11/11/2003	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
	3/24/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/2/2004	0.82 J	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/8/2005	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1						<1	<1	<1	<1	<1	<0.5				<1		<1
	11/1/2006	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/8/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/5/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/12/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1

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Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Methyl Acetate	Methylene chloride	Methylcyclohexane	4-Methyl-2-pentanone	Methyl tert-butyl ether	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethan	Vinyl chloride	Xylenes (total)	1,2-Dichloroethene (total)
Groundwater																			
MW-EPA-4	5/8/2001		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<2	<1	<1
	11/13/2001		<1	<1	<10	<5			<1	<1		0.2 J	<1	<1		<1	<2	<1	<1
	10/18/2002		<1	<1	NA	NA			NA	<1		NA	NA	NA		NA	NA	<1	NA
	11/16/2003		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	4/6/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/6/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/10/2005		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/7/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/14/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/6/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/19/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
Recovery Well	7/29/2001		<29	NA	<140	NA			<29	<29		<29	<29	<29		NA	<57	<29	<29
UAW01-30	5/4/2001		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<2	<1	<1
	11/8/2001		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<2	<1	<1
	10/17/2002		<1	<1	NA	NA			NA	<1		NA	NA	NA		NA	NA	<1	NA
	11/11/2003		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	3/24/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/3/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/8/2005		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/1/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/8/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/5/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/12/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
UAW01-80	5/4/2001		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	1.4 J	<1	<1
	10/10/2001		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	2.1	<1	<1
	11/12/2001		<1	<1	<10	<5			<1	0.23 J		<1	<1	<1		<1	1.9 J	<1	<1
	10/17/2002		<1	<1	NA	NA			NA	<1		NA	NA	NA		NA	NA	<1	NA
	11/11/2003		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	2.5	<1	NA
	3/24/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	2.8	<1	NA
	11/2/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	4	<1	NA
	11/8/2005		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	4.4	<1	NA
	11/1/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	0.29 J	< 1	< 1	< 1	< 1	< 1	< 1	4.1	< 1	NA
	11/8/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	4	< 1	NA
	11/5/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	3.6	< 1	NA
	11/12/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	6.8	< 1	NA

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Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cyclohexane	Dibromochloromethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Isopropylbenzene
Groundwater																																
UAW02-20	5/7/2001	<10	0.49 J	<1	<1		<10	<1	<1	32	<2	<1		<1	<1			12	<10	3.7 J	<1	0.74 J	0.42 J	<1	<0.5	<0.5				<1		<1
	11/10/2001	<10	0.6 J	<1	<1		<10	<1	<1	32	<2	<1		<1	<1			12	<10	4.1 J	<1	0.21 J	<1	<1	<0.5	<0.5				<1		<1
	10/17/2002	<10	0.37 J	<1	NA		NA	<1	NA	17	<1	<1		NA	NA			5.1 J	NA	1.7 J	<1	<1	<1	NA	NA	NA				<1		NA
	11/12/2003	<10	<1	<1	<1		<10	<1	<1	13	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	3/26/2004	<10	<1	<1	<1		<10	<1	<1	12	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/3/2004	0.91 J	<1	<1	<1		<10	<1	<1	10	<1	<1		0.44 J	<1			10	<10	3.8 J	<1	<1	<1	<1	<0.5	<0.5				<1		0.59 J
	11/9/2005	<10	<1	<1	<1		<10	<1	<1	17	<1	<1		<1	<1			15	0.61 J	6.1	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/3/2006	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	5.3	< 1	< 1	< 1	< 1	< 1	< 2	< 1	7.2	0.27 J	2.9	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/9/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	2.6	< 1	1.1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/7/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	4.5	< 1	< 1	< 1	< 1	< 1	< 2	< 1	12	0.49 J	4.4	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/12/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	3.7	< 1	< 1	< 1	< 1	< 1	< 2	< 1	11	0.46 J	4.1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
UAW02-40	5/7/2001	<25	<2.5	<2.5	<2.5		<25	<2.5	<2.5	<2.5	<5	<2.5		<2.5	<2.5						<2.5	28	<2.5	4.3	62	3.3				<2.5		<2.5
UAW02-40 (Dup)	5/7/2001	<12	0.47 J	<1.2	<1.2		<12	<1.2	<1.2	31	<2.5	<1.2		<1.2	<1.2						<1.2	0.67 J	0.44 J	<1.2	<0.62	<0.62				<1.2		<1.2
	11/10/2001	1.8 J B	<2.5	<2.5	<2.5		<25	<2.5	<2.5	<2.5	<5	<2.5		<2.5	<2.5						<2.5	27	<2.5	4.5	59	3.2				<2.5		<2.5
	10/17/2002	<20	<2	<2	NA		NA	<2	NA	<2	<2	<2		NA	NA						<2	25	<2	NA	NA	NA				<2		NA
	11/12/2003	<20	<2	<2	<2		<20	<2	<2	<2	<2	<2		<2	<2						<2	22	<2	4.4	50	2.9				<2		<2
	3/26/2004	<20	<2	<2	<2		<20	<2	<2	<2	<2	<2		<2	<2						<2	20	<2	3.5	49	3.2				<2		<2
	11/3/2004	1.6 J	<1.7	<1.7	<1.7		<17	<1.7	<1.7	<1.7	<1.7	<1.7		<1.7	<1.7						<1.7	20	<1.7	3.9	48	2.5				<1.7		<1.7
	11/9/2005	<17	<1.7	<1.7	<1.7		<17	<1.7	<1.7	<1.7	<1.7	<1.7		<1.7	<1.7			<1.7	<1.7	<1.7	<1.7	15	<1.7	2.5	38	2.4				<1.7		<1.7
	11/3/2006	< 12	< 1.2	< 1.2	< 1.2	< 1.2	< 12	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 2.5	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	14	< 1.2	3.2	37	2.1	< 1.2	< 1.2	< 1.2	< 1.2	< 12	< 1.2
UAW02-40 (DUP)	11/3/2006	< 14	< 1.4	< 1.4	< 1.4	< 1.4	< 14	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 2.9	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	14	< 1.4	3.1	37	2.2	< 1.4	< 1.4	< 1.4	< 1.4	< 14	< 1.4
	11/9/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	14	< 1	2.8	37	2.2	< 1	< 1	< 1	< 1	< 10	< 1
	11/18/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	14	< 1	3.4	35	2.6	< 1	< 1	< 1	< 1	< 10	< 1
	11/12/2009	< 10	0.46 J	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	12	< 1	2.9	30	2.2	< 1	< 1	< 1	< 1	< 10	< 1
UAW02-40 dup	11/12/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	12	< 1	3.1	31	2.3	< 1	< 1	< 1	< 1	< 10	< 1
UAW03-20	5/7/2001	3.4 J	1.2	<1	<1		<10	1.5	<1	8.6	<2	<1		<1	<1			19	<10	3.3 J	<1	0.84 J	14	<1	<0.5	<0.5				0.55 J		<1
	11/11/2001	3.8 J B	1.4 J	<2.5	<2.5		<25	<2.5	<2.5	41	<5	<2.5		0.73 J	<2.5			140	3.5 J	19 J	<2.5	<2.5	1.2 J	<2.5	<1.2	<1.2				1.6 J		0.34 J
	10/23/2002	12 J	<6.7	<6.7	NA		NA	<6.7	NA	55	<6.7	<6.7		NA	NA			190	NA	27 J	<6.7	<6.7	<6.7	NA	NA	NA				<6.7		NA
	11/12/2003	<100	<10	<10	<10		<100	<10	<10	130	<10	<10		<10	<10			190	<100	<100	<10	<10	<10	<10	<5	<5				<10		<10
	3/28/2004	<130	<13	<13	<13		<130	<13	<13	150	<13	<13		<13	<13			360	<100	<100	<13	<13	<13	<13	<6.7	<6.7				<13		<13
	11/4/2004	23 J B	4 J B	<10	<10		<100	2.8 J	<10	110	<10	<10		<10	<10			220	5 J	36 J	<10	<10	<10	<10	<5	<5				<10		<10
UAW03-20 (Dup)	11/4/2004	32 J B	4.7 J B	<12	<12		<120	<12	<12	110	<12	<12		<12	<12			160	4 J	26 J	<12	<12	<12	<12	<6.2	<6.2				3.9 J		<12
	11/9/2005	6.3 U	<4	<4	<4		<40	<4	<4	46	<4	<4		0.65 J	<4			150	3.5 J	20	<4	<4	<4	<4	<2	<2				1.4 J		<4
	11/6/2006	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	0.45 J	< 1	< 1	< 1	< 1	< 1	< 2	< 1	0.45 J	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/13/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	0.22 J	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/4/2008	< 80	3.7 J	< 5	< 5	< 5	< 50	< 5	< 5	140	< 5	< 5	< 5	0.9 J	< 5	< 10	< 5	140	2.4 J	15	< 5	< 5	< 5	< 5	< 2.5	< 2.5	< 5	< 5	< 5	2.7 J	< 50	< 5
	11/16/2009	< 25	2.6	< 2.5	< 2.5	< 2.5	< 25	< 2.5	< 2.5	110	< 2.5	< 2.5	< 2.5	0.53 J	< 2.5	< 5	< 2.5	170	3.4	21	< 2.5	< 2.5	0.87 J	< 2.5	< 1.2	< 1.2	< 2.5	< 2.5	< 2.5	2.7	< 25	< 2.5

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Methyl Acetate	Methylene chloride	Methylcyclohexane	4-Methyl-2-pentanone	Methyl tert-butyl ether	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethan	Vinyl chloride	Xylenes (total)	1,2-Dichloroethene (total)
Groundwater																			
UAW02-20	5/7/2001		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<2	<1	<1
	11/10/2001		<1	<1	<10	<5			<1	0.45 J		<1	<1	<1		<1	<2	<1	<1
	10/17/2002		<1	<1	NA	NA			NA	0.39 J		NA	NA	NA		NA	NA	<1	NA
	11/12/2003		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	3/26/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/3/2004		<1	0.63 J B	<10	<5			<1	<1		<1	<1	<1		<1	<1	0.56 J	NA
	11/9/2005		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/3/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	0.17 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/9/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/7/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/12/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
UAW02-40	5/7/2001		<2.5	<2.5	<25	<12			<2.5	<2.5		<2.5	<2.5	<2.5		<2.5	<5	<2.5	66
UAW02-40 (Dup)	5/7/2001		<1.2	<1.2	<12	<6.2			<1.2	<1.2		<1.2	<1.2	<1.2		<1.2	<2.5	<1.2	<1.2
	11/10/2001		<2.5	<2.5	<25	<12			<2.5	<2.5		<2.5	<2.5	<2.5		<2.5	<5	<2.5	63
	10/17/2002		1.4 J B	<2	NA	NA			NA	<2		NA	NA	NA		NA	NA	<2	NA
	11/12/2003		<2	<2	<20	<10			<2	<2		<2	<2	<2		<2	<2	<2	NA
	3/26/2004		<2	<2	<20	<10			<2	<2		<2	<2	<2		<2	<2	<2	NA
	11/3/2004		4.9 B	<1.7	<17	<8.4			<1.7	<1.7		<1.7	<1.7	<1.7		<1.7	0.78 J	<1.7	NA
	11/9/2005		0.64 U	<1.7	<17	<8.4			<1.7	<1.7		<1.7	<1.7	<1.7		<1.7	0.77 J	<1.7	NA
	11/3/2006	< 12	< 1.2	< 1.2	< 12	< 6.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	0.56 J	< 1.2	NA
UAW02-40 (DUP)	11/3/2006	< 14	< 1.4	< 1.4	< 14	< 7.2	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	0.56 J	< 1.4	NA
	11/9/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.51 J	< 1	NA
	11/18/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.67 J	< 1	NA
	11/12/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.44 J	< 1	NA
UAW02-40 dup	11/12/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.49 J	< 1	NA
UAW03-20	5/7/2001		<1	0.41 J	<10	<5			<1	12		<1	<1	<1		<1	<2	2.5	<1
	11/11/2001		1.3 J B	2.6	<25	<12			<2.5	3.6		<2.5	<2.5	<2.5		<2.5	<5	4.5	<2.5
	10/23/2002		4.5 J	3.4 J	NA	NA			NA	<6.7		NA	NA	NA		NA	NA	5.9 J	NA
	11/12/2003		<10	17	<100	<50			<10	<10		<10	<10	<10		<10	<10	<10	NA
	3/28/2004		<13	<13	<130	<67			<13	<13		<13	<13	<13		<13	<13	<13	NA
	11/4/2004		8.6 J B	6.2 J	<100	<50			<10	<10		<10	<10	<10		<10	<10	15	NA
UAW03-20 (Dup)	11/4/2004		9.7 J B	<12	<120	<62			<12	<12		<12	<12	<12		<12	<12	17	NA
	11/9/2005		5.1 U	3.5 J	<40	<20			<4	<4		<4	<4	<4		<4	<4	<4	NA
	11/6/2006	< 10	< 1	< 1	1.2 J	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/13/2007	< 10	< 1	< 1	0.61 J	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/4/2008	< 50	< 5	< 5	< 50	< 25	< 5	< 5	< 5	1.6 J	< 5	< 5	< 5	< 5	< 5	< 5	< 5	4.9 J	NA
	11/16/2009	< 25	2.5 U	2 J	< 25	< 12	< 2.5	< 2.5	< 2.5	1.9 J	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	5.5	NA

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cyclohexane	Dibromochloromethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Isopropylbenzene
Groundwater																																
UAW04-20	5/7/2001	<10000	<1000	<1000	<1000		<10000	<1000	<1000	<1000	<2000	<1000		<1000	<1000			<40	<40	<40	<1000	<1000	<1000	<1000	<500	<500				<1000		<1000
	11/11/2001	590 J B	<250	<250	<250		<2500	<250	<250	<250	<500	<250		<250	<250			<100	<100	<100	<250	<250	<250	<250	<120	<120				<250		<250
	10/20/2002	1300 B	<33	<33	NA		NA	<33	NA	<33	<33	<33		NA	NA			<120	NA	<120	<33	<33	<33	NA	NA	NA				<33		NA
	11/12/2003	<1000	<100	<100	<100		<1000	<100	<100	<100	<100	<100		<100	<100			<10	<10	<10	<100	<100	<100	<100	<50	<50				<100		<100
	3/28/2004	<10000	<1000	<1000	<1000		<10000	<1000	<1000	<1000	<1000	<1000		<1000	<1000			<50	<50	<50	<1000	<1000	<1000	<1000	<500	<500				<1000		<1000
	11/3/2004	980 J B	87 J B	<330	<330		<3300	<330	<330	<330	<330	<330		<330	<330			3.8 J	<50	<50	<330	<330	<330	<330	<170	<170				<330		<330
	11/9/2005	<100	<10	<10	<10		<100	<10	<10	2.0 J	<10	<10		<10	<10			<10	<10	<10	<10	<10	<10	<10	<5	<5				<10		<10
	11/6/2006	< 1400	< 140	< 140	< 140	< 140	< 1400	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 290	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 71	< 71	< 140	< 140	< 140	< 140	< 1400	< 140
UAW04-20 (DUP)	11/6/2006	< 1400	< 140	< 140	< 140	< 140	< 1400	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 290	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 71	< 71	< 140	< 140	< 140	< 140	< 1400	< 140
	11/3/2008	< 10	0.88 J	< 1	< 1	< 1	< 10	< 1	< 1	3	< 1	< 1	< 1	< 1	< 1	< 2	< 1	2.6	< 1	0.74 J	< 1	0.29 J	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/16/2009	< 10	0.33 J	< 1	< 1	< 1	< 10	< 1	< 1	3.6	< 1	< 1	< 1	< 1	< 1	< 2	< 1	3.3	0.15 J	0.9 J	< 1	0.48 J	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
UAW05-20	5/6/2001	<400	<40	<40	<40		<400	<40	<40	460	<80	<40		<40	<40			880	<100	120	<40	<40	<40	<40	<20	<20				<40		<40
	10/10/2001	22 J B	<40	<40	<40		<400	<40	<40	440	<80	<40		<40	<40			NA	20	NA	<40	<40	<40	<40	<20	<20				<40		<40
	11/12/2001	<220	<22	<22	<22		<220	<22	<22	390	<44	<22		<22	<22			590	16 J	82 J	<22	<22	<22	<22	<11	<11				4 J		<22
	10/20/2002	49 J B	14 J	<25	NA		NA	6.7 J	NA	310	<25	<25		NA	NA			540	NA	82 J	<25	<25	<25	NA	NA	NA				<25		NA
	11/10/2003	<250	<25	<25	<25		<250	<25	<25	770	<25	<25		<25	<25			200	<50	63	<25	<25	<25	<25	<12	<12				<25		<25
	3/28/2004	<200	<20	<20	<20		<200	<20	<20	580	<20	<20		<20	<20			91	<25	44	<20	<20	<20	<20	<10	<10				<20		<20
UAW05-20 (Dup)	3/28/2004	<170	<17	<17	<17		<170	<17	<17	540	<17	<17		<17	<17			95	<40	47	<17	<17	<17	<17	<8.3	<8.3				<17		<17
	11/4/2004	57 J B	8.6 J B	<20	<20		<200	6.9 J	<20	560	<20	<20		<20	<20			90	7.3 J	52	<20	<20	<20	<20	<10	<10				<20		<20
	11/15/2005	<200	<20	<20	<20		<200	<20	<20	780	<20	<20		<20	<20			100	9.4 J	71	<20	<20	<20	<20	<10	<10				<20		<20
	11/9/2006	< 170	< 17	< 17	< 17	< 17	< 170	< 17	< 17	550	< 17	< 17	< 17	< 17	< 17	< 33	< 17	41	5.1 J	45	< 17	< 17	< 17	< 17	< 8.3	< 8.3	< 17	< 17	< 17	< 17	< 170	< 17
	11/15/2007	< 620	< 62	< 62	< 62	< 62	< 620	49 J	< 62	1600	< 62	< 62	< 62	< 62	< 62	< 120	< 62	100	< 62	85	< 62	< 62	< 62	< 62	< 31	< 31	< 62	< 62	< 62	< 62	< 620	< 62
	11/5/2008	< 500	31 J	< 50	< 50	< 50	< 500	< 50	< 50	1500 J	< 50	< 50	< 50	< 50	< 50	< 100	< 50	340	20 J	180	< 50	< 50	< 50	< 50	< 25	< 25	< 50	< 50	< 50	< 50	< 500	< 50
	11/17/2009	< 200	11 J	< 20	< 20	< 20	< 200	11 J	< 20	1500	< 20	< 20	< 20	< 20	< 20	< 40	< 20	570	29	220	< 20	< 20	< 20	< 20	< 10	< 10	< 20	< 20	< 20	18 J	< 200	< 20
UAW06-20	5/6/2001	720	<10	<10	<10		<100	<10	<10	70	<20	<10		<10	<10			14	<10	<10	<10	<10	<10	<10	<5	<5				<10		<10
	10/10/2001	11000	<170	<170	<170		<1700	<170	<170	100 J	<330	<170		<170	<170			16 J	<25	<25	<170	<170	<170	<170	<83	<83				<170		<170
	11/13/2001	45000	<670	<670	<670		750 J B	<670	<670	110 J	<1300	<670		<670	<670			25	<25	4 J	<670	<670	<670	<670	<330	<330				<670		<670
	10/20/2002	170 B	1.2 J	<2.5	NA		NA	1.8 J	NA	71	<2.5	<2.5		NA	NA			18 J	NA	<50	<2.5	2.2 J	<2.5	NA	NA	NA				1.3 J		NA
	11/12/2003	<33	<3.3	<3.3	<3.3		<33	<3.3	<3.3	73	<3.3	<3.3		<3.3	<3.3			<100	<100	<100	<3.3	<3.3	<3.3	<3.3	<1.7	<1.7				<3.3		<3.3
	3/29/2004	<25	<2.5	<2.5	<2.5		<25	<2.5	<2.5	52	<2.5	<2.5		<2.5	<2.5			41	<20	<20	<2.5	<2.5	<2.5	<2.5	<1.2	<1.2				<2.5		<2.5
	11/4/2004	10 J B	1.7 J B	<3.3	<3.3		<33	1.7 J	<3.3	83	<3.3	<3.3		<3.3	<3.3			52	<40	5.1 J	<3.3	1.2 J	<3.3	<3.3	<1.7	<1.7				1.6 J		4.1
	11/15/2005	<33	1.2 J	<3.3	<3.3		<33	<3.3	<3.3	120	<3.3	<3.3		<3.3	<3.3			100	1.7 J	10	<3.3	1.7 J	<3.3	<3.3	<1.7	<1.7				1.4 J		<3.3
	11/9/2006	< 50	< 5	< 5	< 5	< 5	< 50	< 5	< 5	120	< 5	< 5	< 5	< 5	< 5	< 10	< 5	140	2.1 J	13	< 5	< 5	< 5	< 5	< 2.5	< 2.5	< 5	< 5	< 5	< 5	< 50	< 5
	11/15/2007	< 50	< 5	< 5	< 5	< 5	< 50	3.6 J	< 5	100	< 5	< 5	< 5	< 5	< 5	< 10	< 5	150	2.2 J	15	< 5	< 5	< 5	< 5	< 2.5	< 2.5	< 5	< 5	< 5	< 5	< 50	< 5
	11/4/2008	< 20	1.2 J	< 2	< 2	< 2	< 20	< 2	< 2	50	< 2	< 2	< 2	< 2	< 2	< 4	< 2	67	1.2 J	7.6	< 2	1.4 J	< 2	< 2	0.44 J	< 1	< 2	< 2	< 2	< 2	< 20	< 2
	11/17/2009	< 10	0.96 J	< 1	< 1	< 1	< 10	0.78 J	< 1	55	< 1	< 1	< 1	< 1	< 1	< 2	< 1	77	1.5	9	< 1	0.79 J	< 1	< 1	0.46 J	< 0.5	< 1	< 1	< 1	0.27 J	< 10	0.22 J

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Methyl Acetate	Methylene chloride	Methylcyclohexane	4-Methyl-2-pentanone	Methyl tert-butyl ether	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethan	Vinyl chloride	Xylenes (total)	1,2-Dichloroethene (total)
Groundwater																			
UAW04-20	5/7/2001		<1000	<1000	<10000	<5000			<1000	21000		<1000	<1000	<1000		<1000	<2000	<1000	<1000
	11/11/2001		200 J B	<250	<2500	<1200			<250	8800		<250	<250	<250		<250	<500	<250	<250
	10/20/2002		<33	<33	NA	NA			NA	320		NA	NA	NA		NA	NA	<33	NA
	11/12/2003		<100	<100	<1000	<500			<100	3500		<100	<100	<100		<100	<100	<100	NA
	3/28/2004		<1000	<1000	<10000	<5000			<1000	24000		<1000	<1000	<1000		<1000	<1000	<1000	NA
	11/3/2004		280 J B	<330	<3300	<1700			<330	11000		<330	<330	<330		<330	<330	200 J	NA
	11/9/2005		16 U	<10	<100	<50			<10	310		<10	<10	<10		<10	<10	6.6 J	NA
	11/6/2006	< 1400	< 140	< 140	< 1400	< 710	< 140	< 140	< 140	3900	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 140	NA
UAW04-20 (DUP)	11/6/2006	< 1400	< 140	< 140	< 1400	< 710	< 140	< 140	< 140	4000	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 140	NA
	11/3/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	0.56 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/16/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.58 J	NA
UAW05-20	5/6/2001		<40	<40	<400	<200			<40	<40		<40	<40	<40		<40	<80	<40	<40
	10/10/2001		<40	<40	<400	<200			<40	<40		<40	<40	<40		<40	<80	<40	<40
	11/12/2001		<22	3.5 J	<220	<110			<22	<22		<22	<22	<22		<22	<44	10 J	<22
	10/20/2002		13 J B	<25	NA	NA			NA	<25		NA	NA	NA		NA	NA	<25	NA
	11/10/2003		<25	<25	<250	<120			<25	<25		<25	<25	<25		<25	<25	<25	NA
	3/28/2004		<20	<20	<200	<100			<20	<20		<20	<20	<20		<20	<20	<20	NA
UAW05-20 (Dup)	3/28/2004		<17	<17	<170	<83			<17	<17		<17	<17	<17		<17	<17	<17	NA
	11/4/2004		16 J B	<20	<200	<100			<20	<20		<20	<20	<20		<20	<20	<20	NA
	11/15/2005		<20	<20	<200	<100			<20	<20		<20	<20	<20		<20	<20	<20	NA
	11/9/2006	< 170	10 J	< 17	< 170	< 83	< 17	< 17	< 17	< 17	< 17	< 17	< 17	< 17	< 17	< 17	< 17	< 17	NA
	11/15/2007	< 620	< 62	< 62	< 620	< 310	< 62	< 62	< 62	< 62	< 62	< 62	< 62	< 62	< 62	< 62	< 62	< 62	NA
	11/5/2008	< 500	< 50	< 50	29 J	< 250	< 50	< 50	< 50	130 J	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	NA
	11/17/2009	< 200	20 U	< 20	< 200	< 100	< 20	< 20	< 20	3.9 J	< 20	< 20	< 20	< 20	< 20	< 20	< 20	24	NA
UAW06-20	5/6/2001		<10	<10	<100	<50			<10	<10		<10	<10	<10		<10	<20	<10	<10
	10/10/2001		<170	<170	<1700	<830			<170	<170		<170	<170	<170		<170	<330	<170	<170
	11/13/2001		<670	<670	<6700	<3300			<670	<670		<670	<670	<670		<670	<1300	<670	<670
	10/20/2002		<2.5	<2.5	NA	NA			NA	13		NA	NA	NA		NA	NA	<2.5	NA
	11/12/2003		<3.3	<3.3	<33	<17			<3.3	3.8		<3.3	<3.3	<3.3		<3.3	<3.3	<3.3	NA
	3/29/2004		<2.5	<2.5	<25	<12			<2.5	<2.5		<2.5	<2.5	<2.5		<2.5	<2.5	<2.5	NA
	11/4/2004		1.8 J B	<3.3	<33	<17			<3.3	1.3 J		<3.3	<3.3	<3.3		<3.3	<3.3	4.7	NA
	11/15/2005		<3.3	<3.3	<33	<17			<3.3	1.5 J		<3.3	<3.3	<3.3		<3.3	<3.3	<3.3	NA
	11/9/2006	< 50	< 5	< 5	< 50	< 25	< 5	< 5	< 5	1 J	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	NA
	11/15/2007	< 50	< 5	< 5	< 50	< 25	< 5	< 5	< 5	0.87 J	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	NA
	11/4/2008	< 20	< 2	< 2	< 20	< 10	< 2	< 2	< 2	0.87 J	< 2	< 2	< 2	< 2	< 2	< 2	< 2	0.84 J	NA
	11/17/2009	< 10	< 1	1 U	< 10	< 5	< 1	< 1	< 1	1.1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.9 J	NA

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cyclohexane	Dibromochloromethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Isopropylbenzene
Groundwater																																
UAW07-20	5/8/2001	<20	2.1	<2	<2		<20	2.4	<2	39	<4	<2		NA	<2			37 J	<100	<100	<4	1.6 J	<2	<2	<1	<1				4.4		NA
UAW07-20 (Dup)	5/8/2001	<25	1.8 J	<2.5	<2.5		<25	1.1 J	<2.5	38	<5	<2.5		NA	<2.5			34	<25	<25	<5	1.5 J	<2.5	<2.5	<1.2	<1.2				4.3		NA
	11/15/2001	3.3 J B	5.2	<2	<2		<20	<2	<2	64	<4	<2		NA	<2			57	<40	8 J	<4	1.2 J	<2	<2	<1	<1				5.6		NA
	10/20/2002	4.8 J	5.8	<2.5	NA		NA	0.67 J	NA	71	<2.5	<2.5		NA	NA			61	NA	7.2 J	<2.5	<2.5	<2.5	NA	NA	NA				2.2 J		NA
	11/12/2003	<33	4.1	<3.3	<3.3		<33	<3.3	<3.3	91	<3.3	<3.3		<3.3	<3.3			100	<50	<50	<3.3	<3.3	<3.3	<3.3	<1.7	<1.7				<3.3		3.4
UAW07-20 (Dup)	11/12/2003	<33	4.1	<3.3	<3.3		<33	<3.3	<3.3	93	<3.3	<3.3		<3.3	<3.3			83	<40	<40	<3.3	<3.3	<3.3	<3.3	<1.7	<1.7				<3.3		3.3
	4/5/2004	<20	3.4	<2	<2		<20	<2	<2	69	<2	<2		<2	<2			<100	<100	<100	<2	<2	<2	<2	<1	<1				2.7		<2
	11/4/2004	14 J B	6.3 J B	<6.7	<6.7		<67	7.1	<6.7	190	<6.7	<6.7		<6.7	<6.7			100	<100	12 J	<6.7	<6.7	<6.7	<6.7	<3.3	<3.3				<6.7		8.9
	11/15/2005	<83	2.7 J	<8.3	<8.3		<83	<8.3	<8.3	270	<8.3	<8.3		<8.3	<8.3			180	1.7 J	17	<8.3	<8.3	<8.3	<8.3	<4.2	<4.2				2.2 J		2.5 J
	11/6/2006	< 57	3.2 J	< 5.7	< 5.7	< 5.7	< 57	< 5.7	< 5.7	160	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 11	< 5.7	71	1.4 J	10	< 5.7	< 5.7	< 5.7	< 5.7	< 2.9	< 2.9	< 5.7	< 5.7	< 5.7	3.1 J	< 57	1.1 J
	11/15/2007	< 200	< 20	< 20	< 20	< 20	< 200	< 20	< 20	530 J	< 20	< 20	< 20	< 20	< 20	< 40	< 20	290	< 20	26	< 20	< 20	< 20	< 20	< 10	< 10	< 20	< 20	< 20	< 20	< 200	< 20
	11/4/2008	< 170	< 17	< 17	< 17	< 17	< 170	< 17	< 17	480	< 17	< 17	< 17	< 17	< 17	< 33	< 17	260	3.2 J	27	< 17	< 17	< 17	< 17	< 8.3	< 8.3	< 17	< 17	< 17	< 17	< 170	< 17
	11/16/2009	< 67	3.1 J	< 6.7	< 6.7	< 6.7	< 67	20	< 6.7	500	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 13	< 6.7	210	3.2 J	23	< 6.7	< 6.7	< 6.7	< 6.7	< 3.3	< 3.3	< 6.7	< 6.7	< 6.7	1.6 J	< 67	1.6 J
UAW08-20	5/6/2001	150 J	41	<33	<33		<330	20 J	<33	37	<67	<33		NA	<33			<1700	<1700	<1700	<67	<33	<33	<33	<17	<17				32 J		NA
	11/13/2001	580 J	110	<100	<100		130 J B	64 J	<100	61 J	<200	<100		NA	<100			530 J	<1300	<1300	<200	<100	<100	<100	<50	<50				57 J		NA
	10/20/2002	250 J B	110	<33	NA		NA	46	NA	48	<33	<33		NA	NA			280 J	NA	<1000	<33	<33	<33	NA	NA	NA				40		NA
	11/10/2003	<400	120	<40	<40		<400	<40	<40	54	<40	<40		<40	<40			<2500	<2500	<2500	<40	<40	<40	<40	<20	<20				44		<40
	3/29/2004	<500	92	<50	<50		<500	51	<50	61	<50	<50		<50	<50			<4000	<4000	<4000	<50	<50	<50	<50	<25	<25				54		<50
	11/4/2004	280 J B	150 B	<33	<33		29 J	59	<33	62	<33	<33		<33	<33			380 J	<2000	<2000	<33	<33	<33	<33	<17	<17				59		<33
	11/15/2005	260 U	150	<25	<25		<250	61	<25	62	<25	<25		3.9 J	<25			380	7.6 J	41	<25	<25	<25	<25	<12	<12				55		<25
	11/9/2006	< 100	87	< 10	< 10	< 10	< 100	< 10	< 10	36	< 10	< 10	< 10	1.9 J	< 10	< 20	< 10	230	3.9 J	22	< 10	< 10	< 10	< 10	< 5	< 5	< 10	< 10	< 10	30	< 100	< 10
	11/7/2007	< 170	93	< 17	< 17	< 17	< 170	22 U	< 17	54	< 17	< 17	< 17	3.4 J	< 17	< 33	< 17	280	5 J	28	< 17	< 17	< 17	< 17	< 8.3	< 8.3	< 17	< 17	< 17	43	< 170	< 17
	11/4/2008	77	81	< 6.7	< 6.7	< 6.7	< 67	30	< 6.7	72	< 6.7	< 6.7	< 6.7	8.1	< 6.7	< 13	< 6.7	260	4.8 J	27	< 6.7	< 6.7	< 6.7	< 6.7	< 3.3	< 3.3	< 6.7	< 6.7	< 6.7	58	7.3 J	2.2 J
UAW08-20 Dup	11/4/2008	< 75	86	< 6.7	< 6.7	< 6.7	< 67	38	< 6.7	74	< 6.7	< 6.7	< 6.7	8.5	< 6.7	< 13	< 6.7	270	5.2 J	28	< 6.7	< 6.7	< 6.7	< 6.7	< 3.3	< 3.3	< 6.7	< 6.7	< 6.7	62	< 67	2.4 J
	11/16/2009	50 U	97	< 5	< 5	< 5	< 50	30	< 5	87	< 5	< 5	< 5	9.7	< 5	< 10	< 5	280	5.5	31	< 5	1.1 J	< 5	< 5	< 2.5	< 2.5	< 5	< 5	< 5	68	< 50	2.2 J
UAW09-20	5/5/2001	<10	<1	0.49 J	<1		<10	<1	<1	<1	<2	0.4 J		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/9/2001	<10	<1	0.2 J	<1		<10	<1	<1	<1	<2	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
	10/16/2002	<10	<1	<1	NA		NA	<1	NA	<1	<1	<1		NA	NA						<1	<1	<1	NA	NA	NA				<1		NA
	11/11/2003	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
	4/6/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/6/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/10/2005	<10	<1	0.54 J	<1		<10	<1	<1	<1	<1	0.74 J		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/3/2006	< 10	< 1	1.3	< 1	< 1	< 10	< 1	< 1	< 1	< 1	2.7	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.19 J	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/15/2007	< 10	< 1	1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	0.36 J	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/12/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	2.7	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/18/2009	< 10	< 1	1.8	< 1	< 1	< 10	< 1	< 1	< 1	< 1	12	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Methyl Acetate	Methylene chloride	Methylcyclohexane	4-Methyl-2-pentanone	Methyl tert-butyl ether	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethan	Vinyl chloride	Xylenes (total)	1,2-Dichloroethene (total)
Groundwater																			
UAW07-20	5/8/2001		<2	NA	<10	NA			<2	3.5		<2	<2	<2		NA	<4	13	<2
UAW07-20 (Dup)	5/8/2001		<2.5	NA	<12	NA			<2.5	3.6		<2.5	<2.5	<2.5		NA	<5	13	<2.5
	11/15/2001		2.3 B	NA	<10	NA			<2	1.2 J		<2	<2	<2		NA	<4	13	<2
	10/20/2002		1.4 J B	<2.5	NA	NA			NA	<2.5		NA	NA	NA		NA	NA	7.6	NA
	11/12/2003		<3.3	<3.3	<33	<17			<3.3	<3.3		<3.3	<3.3	<3.3		<3.3	<3.3	5.6	NA
UAW07-20 (Dup)	11/12/2003		<3.3	<3.3	<33	<17			<3.3	<3.3		<3.3	<3.3	<3.3		<3.3	<3.3	5.7	NA
	4/5/2004		<2	<2	<20	<10			<2	<2		<2	<2	<2		<2	<2	5	NA
	11/4/2004		4.2 J B	<6.7	<67	<33			<6.7	<6.7		<6.7	<6.7	<6.7		<6.7	<6.7	13	NA
	11/15/2005		<8.3	<8.3	<83	<42			<8.3	<8.3		<8.3	<8.3	<8.3		<8.3	<8.3	6.5 J	NA
	11/6/2006	< 57	< 5.7	< 5.7	< 57	< 29	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	< 5.7	4.3 J	NA
	11/15/2007	< 200	< 20	< 20	< 200	< 100	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA
	11/4/2008	< 170	< 17	< 17	< 170	< 83	< 17	< 17	< 17	< 17	< 17	< 17	< 17	< 17	< 17	< 17	< 17	< 17	NA
	11/16/2009	< 67	6.7 U	6.7 U	< 67	< 33	< 6.7	< 6.7	< 6.7	4.5 J	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	6.7	NA
UAW08-20	5/6/2001		<33	NA	<170	NA			<33	1100		<33	<33	<33		NA	<67	140	<33
	11/13/2001		42 J B	NA	<500	NA			<100	1400		<100	<100	<100		NA	<200	190	<100
	10/20/2002		15 J B	<33	NA	NA			NA	1100		NA	NA	NA		NA	NA	180	NA
	11/10/2003		<40	<40	<400	<200			<40	1000		<40	<40	<40		<40	<40	190	NA
	3/29/2004		<50	<50	<500	<250			<50	1200		<50	<50	<50		<50	<50	230	NA
	11/4/2004		25 J B	17 J	66 J	<170			<33	1100		<33	<33	<33		<33	<33	270	NA
	11/15/2005		<25	18 J	35 U	<120			<25	970		<25	<25	<25		<25	<25	240	NA
	11/9/2006	< 100	5.7 J	8 J	44 J	< 50	< 10	< 10	< 10	260	< 10	< 10	< 10	< 10	< 10	< 10	< 10	130	NA
	11/7/2007	< 170	< 17	15 J	37 J	< 83	< 17	< 17	< 17	430	< 17	< 17	< 17	< 17	< 17	< 17	< 17	180	NA
	11/4/2008	< 67	< 6.7	45	78	< 33	< 6.7	< 6.7	< 6.7	230	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	240	NA
UAW08-20 Dup	11/4/2008	< 67	< 6.7	46	68	< 33	< 6.7	< 6.7	< 6.7	240	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	< 6.7	250	NA
	11/16/2009	< 50	5 U	52	53	< 25	< 5	< 5	< 5	270	< 5	< 5	< 5	< 5	< 5	< 5	< 5	280	NA
UAW09-20	5/5/2001		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<2	<1	<1
	11/9/2001		<1	<1	<10	<5			<1	<1		<1	<1	0.28 J B		<1	<2	<1	<1
	10/16/2002		<1	<1	NA	NA			NA	<1		NA	NA	NA		NA	NA	<1	NA
	11/11/2003		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	4/6/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/6/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/10/2005		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/3/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	0.21 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/15/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/12/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/18/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cyclohexane	Dibromochloromethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Isopropylbenzene
Groundwater																																
UAW09-60	5/5/2001	<10	<1	<1	<1		<10	<1	<1	<1	<2	0.4 J		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/9/2001	<10	<1	<1	<1		<10	<1	<1	<1	<2	0.32 J		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
	10/16/2002	<10	<1	<1	NA		NA	<1	NA	<1	<1	<1		NA	NA						<1	<1	<1	NA	NA	NA				<1		NA
	11/11/2003	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
	4/6/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/6/2004	0.83 J B	<1	0.26 J	<1		<10	<1	<1	<1	<1	6.1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/10/2005	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/3/2006	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/15/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
UAW09-60 dup	11/15/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/12/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/18/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
UAW10-50	10/12/2001	1.1 J	<2	<2	<2		<20	<2	<2	<2	<4	20		<2	<2			<10	<10	<10	<2	12	54	3.4	54	0.87 J				<2		<2
	11/13/2001	3 J	<4	<4	<4		5.3 J B	<4	<4	<4	<8	35		<4	<4			5 J	<10	2.3 J	<4	12	45	1.6 J	46	0.75 J				<4		<4
	10/19/2002	1.9 J	<1.4	<1.4	NA		NA	<1.4	NA	<1.4	0.44 J	13		NA	NA			<10	NA	<10	<1.4	13	23	NA	NA	NA				<1.4		NA
	11/10/2003	<14	<1.4	<1.4	<1.4		<14	<1.4	<1.4	<1.4	<1.4	24		<1.4	<1.4			<10	<10	<10	<1.4	14	10	1.7	38	0.97				<1.4		<1.4
	3/30/2004	<100	<10	<10	<10		<100	<10	<10	<10	<10	68		<10	<10			<10	<10	<10	<10	13	380	<10	59	<5				<10		<10
	11/5/2004	17 J B	<9.1	<9.1	<9.1		<91	<9.1	<9.1	<9.1	6.8 J	29		<9.1	<9.1			<10	<10	<10	<9.1	11	230	<9.1	52	<4.5				<9.1		<9.1
	11/11/2005	<50	<5	<5	<5		<50	<5	<5	<5	<5	23		<5	<5			<5	<5	<5	<5	6.7	110	<5	45	2.8				<5		<5
	11/9/2006	< 140	< 14	< 14	< 14	< 14	< 140	< 14	< 14	< 14	< 14	22	< 14	< 14	< 14	< 29	< 14	< 14	< 14	< 14	< 14	5.4 J	420	< 14	33	< 7.1	< 14	< 14	< 14	< 14	< 140	< 14
	11/12/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	35	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	2.6	4.7	0.86 J	22	0.7	< 1	< 1	< 1	< 1	< 10	< 1
UAW10-50 dup	11/12/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	34	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	2.6	4.6	0.74 J	22	0.62	< 1	< 1	< 1	< 1	< 10	< 1
	11/12/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	3.1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	6.5	17	1.1	30	1.2	< 1	< 1	< 1	< 1	< 10	< 1
UAW10-50 Dup	11/12/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	3	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	6.3	17	1.1	29	1.1	< 1	< 1	< 1	< 1	< 10	< 1
	11/20/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	2.7	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	5.3	2.6	0.64 J	28	1.2	< 1	< 1	< 1	< 1	< 10	< 1
UAW10-50 dup	11/20/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	2.7	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	5.2	2.6	0.63 J	28	1.2	< 1	< 1	< 1	< 1	< 10	< 1
UAW10-80	10/12/2001	35 J	<67	<67	<67		<670	<67	<67	<67	<130	24 J		<67	<67			<10	<10	<10	<67	<67	2200	<67	<33	<33				<67		<67
	11/13/2001	<1700	<170	<170	<170		190 J B	<170	<170	<170	<330	<170		<170	<170			<10	<10	<10	<170	<170	3500	<170	<83	<83				<170		<170
	10/19/2002	12 J	<6.7	<6.7	NA		NA	<6.7	NA	<6.7	<6.7	<6.7		NA	NA			<10	NA	<10	<6.7	<6.7	67	NA	NA	NA				<6.7		NA
	11/13/2003	<220	<22	<22	<22		<220	<22	<22	<22	<22	<22		<22	<22			<10	<10	<10	<22	<22	530	<22	<11	<11				<22		<22
	3/30/2004	<20	<2	<2	<2		<20	<2	<2	<2	<2	<2		<2	<2			<10	<10	<10	<2	<2	63	<2	<1	<1				<2		<2
	11/5/2004	3.4 J B	1 J B	<1.7	<1.7		<17	<1.7	<1.7	<1.7	<1.7	<1.7		<1.7	<1.7			<10	<10	<10	<1.7	<1.7	49	<1.7	1	<0.84				<1.7		<1.7
	11/16/2005	<25	<2.5	<2.5	<2.5		<25	<2.5	<2.5	<2.5	1.3 J	0.47 J		<2.5	<2.5			<2.5	<2.5	<2.5	<2.5	<2.5	66	<2.5	0.97 J	<1.2				<2.5		<2.5
	11/9/2006	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	0.61 J	0.23 J	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	0.27 J	3.3	< 1	0.56	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/12/2007	< 14	< 1.4	< 1.4	< 1.4	< 1.4	< 14	< 1.4	< 1.4	< 1.4	< 1.4	0.41 J	< 1.4	< 1.4	< 1.4	< 2.9	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	40	< 1.4	0.59 J	< 0.72	< 1.4	< 1.4	< 1.4	< 1.4	< 14	< 1.4
	11/12/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/20/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1

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Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Methyl Acetate	Methylene chloride	Methylcyclohexane	4-Methyl-2-pentanone	Methyl tert-butyl ether	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethan	Vinyl chloride	Xylenes (total)	1,2-Dichloroethene (total)
Groundwater																			
UAW09-60	5/5/2001		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<2	<1	<1
	11/9/2001		<1	<1	<10	<5			<1	<1		<1	<1	0.27 J B		<1	<2	<1	<1
	10/16/2002		<1	<1	NA	NA			NA	<1		NA	NA	NA		NA	NA	<1	NA
	11/11/2003		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	4/6/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/6/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/10/2005		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/3/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/15/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
UAW09-60 dup	11/15/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/12/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/18/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
UAW10-50	10/12/2001		2.1	<2	<20	<10			0.48 J	<2		36	1.9 J	3.6		2.1	0.43 J	<2	55
	11/13/2001		3.5 J B	<4	<40	<20			<4	<4		32	1.4 J	2.8 J		1.5 J	<8	<4	47
	10/19/2002		0.91 J B	<1.4	NA	NA			NA	<1.4		NA	NA	NA		NA	NA	<1.4	NA
	11/10/2003		<1.4	<1.4	<14	<7.2			<1.4	<1.4		14	<1.4	1.7		1.7	<1.4	<1.4	NA
	3/30/2004		<10	<10	<100	<50			<10	<10		16	<10	<10		<10	<10	<10	NA
	11/5/2004		3.6 J	<9.1	<91	<45			3.2 J	<9.1		13	<9.1	3.2 J		3.2 J	<9.1	<9.1	NA
	11/11/2005		1.5 U	<5	<50	<25			2.7 J	<5		8.2	1.3 J	2.2 J		<5	<5	<5	NA
	11/9/2006	< 140	7.6 J	< 14	< 140	< 71	< 14	< 14	10 J	< 14	< 14	11 J	< 14	4 J	< 14	< 14	< 14	< 14	NA
	11/12/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	4.9	< 1	< 1	4.2	1	2.2	< 1	1	< 1	< 1	NA
UAW10-50 dup	11/12/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	4.6	< 1	< 1	4.1	1	2.1	< 1	0.93 J	< 1	< 1	NA
	11/12/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	5.3	< 1	< 1	5.3	0.43 J	2	< 1	1.4	< 1	< 1	NA
UAW10-50 Dup	11/12/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	5.1	< 1	< 1	5.1	0.52 J	1.9	< 1	1.3	< 1	< 1	NA
	11/20/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	3.8	< 1	< 1	4.9	0.63 J	1.9	< 1	0.89 J	0.27 J	< 1	NA
UAW10-50 dup	11/20/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	3.8	< 1	< 1	4.8	0.66 J	1.9	< 1	0.92 J	0.28 J	< 1	NA
UAW10-80	10/12/2001		240	<67	<670	<330			<67	<67		<67	<67	<67		<67	23 J	<67	<67
	11/13/2001		81 J B	<170	<1700	<830			<170	<170		<170	<170	<170		<170	<330	<170	<170
	10/19/2002		3.1 J B	<6.7	NA	NA			NA	<6.7		NA	NA	NA		NA	NA	<6.7	NA
	11/13/2003		<22	<22	<220	<110			<22	<22		<22	<22	<22		<22	<22	<22	NA
	3/30/2004		<2	<2	<20	<10			<2	<2		<2	<2	<2		<2	<2	<2	NA
	11/5/2004		1.8 B	<1.7	<17	<8.4			<1.7	<1.7		<1.7	<1.7	<1.7		<1.7	0.92 J	2.1	NA
	11/16/2005		<2.5	<2.5	<25	<12			<2.5	<2.5		<2.5	<2.5	<2.5		<2.5	1.5 J	<2.5	NA
	11/9/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.47 J	< 1	NA
	11/12/2007	< 14	< 1.4	< 1.4	< 14	< 7.2	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	0.51 J	< 1.4	NA
	11/12/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/20/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cyclohexane	Dibromochloromethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Isopropylbenzene
Groundwater																																
UAW11-10	5/8/2001	32000	<500	<500	<500		<5000	270 J	<500	<500	<1000	<500		<500	<500			<500	<500	<500	<500	<500	<500	<500	<250	<250				<500		<500
	11/10/2001	14000	<250	<250	<250		<2500	<250	<250	<250	<500	<250		<250	<250			13 J	<25	3.7 J	<250	<250	<250	<250	<120	<120				<250		<250
	10/18/2002	1100	<20	<20	NA		NA	<20	NA	32	<20	<20		NA	NA			9.1 J	NA	3 J	<20	<20	<20	NA	NA	NA				<20		NA
	11/16/2003	350	<7.1	<7.1	<7.1		<71	<7.1	<7.1	17	<7.1	<7.1		<7.1	<7.1			<10	<10	<10	<7.1	<7.1	<7.1	<7.1	<3.6	<3.6				<7.1		<7.1
	4/6/2004	2000	<40	<40	<40		<400	<40	<40	<40	<40	<40		<40	<40			<40	<40	<40	<40	<40	<40	<40	<20	<20				<40		<40
	11/7/2004	230 B	1.1 J	<5	<5		3.4 J	<5	<5	11	<5	<5		<5	<5			8.9 J	<10	3.7 J	<5	1.8 J	<5	<5	1.4 J	<2.5				<5		<5
	11/10/2005	160	0.89 J	<1	<1		4.7 U	0.31 J	<1	5.3	<1	<1		<1	<1			20	1.1	8.6	<1	1.1	<1	<1	0.77	<0.5				0.8 J		<1
	11/2/2006	< 330	< 33	< 33	< 33	< 33	< 330	< 33	< 33	< 33	< 33	< 33	< 33	< 33	< 33	< 67	< 33	8.8 J	< 33	< 33	< 33	< 33	< 33	< 33	< 17	< 17	< 33	< 33	< 33	< 33	< 330	< 33
	11/16/2007	< 10	< 1	< 1	< 1	< 1	< 10	6.6	< 1	5.2	< 1	< 1	< 1	< 1	< 1	< 2	< 1	17	1.2	6.9	< 1	10	< 1	0.31 J	4.5	0.43 J	< 1	< 1	< 1	< 1	< 10	< 1
	11/10/2008	220	< 3.3	< 3.3	< 3.3	< 3.3	10 J	< 3.3	< 3.3	6.5	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 6.7	< 3.3	14	0.94 J	5.9	< 3.3	< 3.3	< 3.3	< 3.3	< 1.7	< 1.7	< 3.3	< 3.3	< 3.3	< 3.3	< 33	< 3.3
	11/18/2009	< 10	0.49 J	< 1	< 1	< 1	< 10	< 1	< 1	13	< 1	< 1	< 1	< 1	< 1	< 2	< 1	19	0.96 J	6.2	< 1	0.7 J	< 1	< 1	0.35 J	< 0.5	< 1	< 1	< 1	0.21 J	< 10	< 1
UAW11-40	5/8/2001	<50	<5	<5	<5		<50	<5	<5	3 J	<10	2.1 J		<5	<5			<10	<10	<10	<5	10	160	<5	12	<2.5				<5		<5
	11/12/2001	6.6 J B	<5	<5	<5		<50	<5	<5	3.2 J	<10	3.5 J		<5	<5			<10	<10	<10	<5	9.5	130	<5	12	<2.5				<5		<5
	10/18/2002	<10	<1	<1	NA		NA	<1	NA	3.6	<1	1.7		NA	NA			<10	NA	<10	<1	7	26	NA	NA	NA				<1		NA
	11/16/2003	<10	<1	<1	<1		<10	<1	<1	2.4	<1	<1		<1	<1			<10	<10	<10	<1	4.8	11	<1	5.8	<0.5				<1		<1
	4/6/2004	<10	<1	<1	<1		<10	<1	<1	2.4	<1	<1		<1	<1			<10	<10	<10	<1	4.5	7.3	<1	5.2	<0.5				<1		<1
UAW11-40 (Dup)	4/6/2004	<10	<1	<1	<1		<10	<1	<1	2.3	<1	<1		<1	<1			<10	<10	<10	<1	4.5	7.2	<1	5.1	<0.5				<1		<1
	11/7/2004	0.79 J B	<1	<1	<1		<10	<1	<1	2.3	<1	0.52 J		<1	<1			<10	<10	<10	<1	5.2	7.1	<1	6	0.31 J				<1		<1
	11/10/2005	0.79 J B	<1	<1	<1		<10	<1	<1	2.2	<1	0.53 J		<1	<1			0.52 J	<1	<1	<1	5.4	7.7	0.44 J	6.1	0.29 J				<1		<1
	11/2/2006	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	1.6	< 1	0.7 J	< 1	< 1	< 1	< 2	< 1	0.24 J	< 1	< 1	< 1	4.6	7.2	0.29 J	6.7	0.32 J	< 1	< 1	< 1	< 1	< 10	< 1
	11/16/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	1.6	< 1	0.3 J	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	4.6	8.1	< 1	5.4	0.25 J	< 1	< 1	< 1	< 1	< 10	< 1
	11/10/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	1.4	< 1	0.32 J	< 1	< 1	< 1	< 2	< 1	0.27 J	< 1	< 1	< 1	4	4.6	0.19 J	5.7	0.31 J	< 1	< 1	< 1	< 1	< 10	< 1
	11/18/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	1.7	< 1	0.27 J	< 1	< 1	< 1	< 2	< 1	0.34 J	< 1	< 1	< 1	3.3	3.5	0.27 J	4.3	0.28 J	< 1	< 1	< 1	< 1	< 10	< 1
UAW12-20	5/6/2001	<560	<56	<56	<56		<560	<56	<56	920	<110	<56		NA	<56			1600	<250	150 J	<110	<56	<56	<56	<28	<28				<56		NA
	11/15/2001	<500	<50	<50	<50		<500	<50	<50	1400	<100	<50		NA	<50			1900	41 J	230	<100	<50	<50	<50	<25	<25				<50		NA
	10/20/2002	97 J	<50	<50	NA		NA	<50	NA	1300	<50	<50		NA	NA			1100	NA	130 J	<50	<50	<50	NA	NA	NA				<50		NA
	11/12/2003	<670	<67	<67	<67		<670	<67	<67	1100	<67	<67		<67	<67			1600	<500	<500	<67	<67	<67	<67	<33	<33				<67		<67
	3/28/2004	<560	<56	<56	<56		<560	<56	<56	1400	<56	<56		<56	<56			1500	<500	<500	<56	<56	<56	<56	<28	<28				<56		<56
	11/4/2004	250 J B	<71	<71	<71		<710	20 J	<71	2400	<71	<71		<71	<71			1100	35 J	180 J	<71	<71	<71	<71	<36	<36				<71		<71
	11/14/2005	<1000	<100	<100	<100		<1000	<100	<100	2600	<100	<100		<100	<100			1100	46 J	220	<100	<100	<100	<100	<50	<50				<100		<100
	11/6/2006	< 710	< 71	< 71	< 71	< 71	< 710	< 71	< 71	2000	< 71	< 71	< 71	< 71	< 71	< 140	< 71	310	25 J	140	< 71	< 71	< 71	< 71	< 36	< 36	< 71	< 71	< 71	< 71	< 710	< 71
	11/16/2007	< 670	< 67	< 67	< 67	< 67	< 670	45 J	< 67	1800	< 67	< 67	< 67	< 67	< 67	< 130	< 67	260	28 J	130	< 67	< 67	< 67	< 67	< 33	< 33	< 67	< 67	< 67	< 67	< 670	< 67
	11/6/2008	< 330	< 33	< 33	< 33	< 33	< 330	14 J	< 33	860	< 33	< 33	< 33	< 33	< 33	< 67	< 33	360	39	150	< 33	< 33	< 33	< 33	< 17	< 17	< 33	< 33	< 33	< 33	< 330	< 33
	11/19/2009	< 180	< 18	< 18	< 18	< 18	< 180	< 18	< 18	380	< 18	< 18	< 18	< 18	< 18	< 36	< 18	670	49	190	< 18	< 18	< 18	< 18	< 9.1	< 9.1	< 18	< 18	< 18	< 18	< 180	< 18

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Methyl Acetate	Methylene chloride	Methylcyclohexane	4-Methyl-2-pentanone	Methyl tert-butyl ether	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethan	Vinyl chloride	Xylenes (total)	1,2-Dichloroethene (total)
Groundwater																			
UAW11-10	5/8/2001		<500	<500	<5000	<2500			<500	<500		<500	<500	<500		<500	<1000	<500	<500
	11/10/2001		190 J B	<250	<2500	<1200			<250	<250		<250	<250	<250		<250	<500	<250	<250
	10/18/2002		20 B	<20	NA	NA			NA	<20		NA	NA	NA		NA	NA	<20	NA
	11/16/2003		<7.1	<7.1	<71	<36			<7.1	<7.1		<7.1	<7.1	<7.1		<7.1	<7.1	<7.1	NA
	4/6/2004		<40	<40	<400	<200			<40	<40		<40	<40	<40		<40	<40	<40	NA
	11/7/2004		7.3 B	<5	<50	<25			<5	1.3 J		<5	<5	<5		<5	<5	<5	NA
	11/10/2005		<1	<1	4 U	<5			<1	0.82 J		<1	<1	<1		<1	<1	2.4	NA
	11/2/2006	< 330	< 33	< 33	< 330	< 170	< 33	< 33	< 33	< 33	< 33	< 33	< 33	< 33	< 33	< 33	< 33	< 33	NA
	11/16/2007	< 10	< 1	< 1	0.94 J	< 5	< 1	< 1	< 1	0.33 J	< 1	< 1	< 1	< 1	< 1	< 1	0.99 J	< 1	NA
	11/10/2008	< 33	< 3.3	< 3.3	< 33	< 17	< 3.3	< 3.3	< 3.3	0.58 J	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	0.86 J	< 3.3	NA
	11/18/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	0.8 J	< 1	< 1	< 1	< 1	< 1	< 1	0.56 J	< 1	NA
UAW11-40	5/8/2001		<5	<5	<50	<25			14	<5		15	<5	2.5 J		<5	<10	<5	12
	11/12/2001		<5	<5	<50	<25			16	<5		13	<5	2.6 J		<5	<10	<5	12
	10/18/2002		<1	<1	NA	NA			NA	<1		NA	NA	NA		NA	NA	<1	NA
	11/16/2003		<1	<1	<10	<5			21	<1		8.1	<1	2.1		<1	<1	<1	NA
	4/6/2004		<1	<1	<10	<5			20	<1		6.9	<1	2.2		<1	<1	<1	NA
UAW11-40 (Dup)	4/6/2004		<1	<1	<10	<5			21	<1		6.6	<1	2.1		<1	<1	<1	NA
	11/7/2004		<1	<1	<10	<5			26	<1		8.4	0.51 J	2.2		1.4	<1	<1	NA
	11/10/2005		<1	<1	<10	<5			22	<1		7.3	0.51 J	2.1		0.76 J	<1	<1	NA
	11/2/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	13	0.29 J	< 1	6.7	0.53 J	1.7	< 1	0.68 J	< 1	< 1	NA
	11/16/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	11	< 1	< 1	4.2	0.47 J	1.7	< 1	0.61 J	< 1	< 1	NA
	11/10/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	17	< 1	< 1	4.6	0.49 J	1.7	< 1	0.67 J	< 1	< 1	NA
	11/18/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	17	< 1	< 1	4.1	0.52 J	1.6	< 1	0.49 J	< 1	< 1	NA
UAW12-20	5/6/2001		<56	NA	<280	NA			<56	<56		<56	<56	<56		NA	<110	<56	<56
	11/15/2001		79 B	NA	<250	NA			<50	<50		<50	<50	<50		NA	<100	<50	<50
	10/20/2002		16 J B	<50	NA	NA			NA	<50		NA	NA	NA		NA	NA	<50	NA
	11/12/2003		<67	<67	<670	<330			<67	<67		<67	<67	<67		<67	<67	<67	NA
	3/28/2004		<56	<56	<560	<280			<56	<56		<56	<56	<56		<56	<56	<56	NA
	11/4/2004		54 J B	<71	<710	<360			<71	<71		<71	<71	<71		<71	<71	<71	NA
	11/14/2005		<100	<100	<1000	<500			<100	<100		<100	<100	<100		<100	<100	<100	NA
	11/6/2006	< 710	< 71	< 71	< 710	< 360	< 71	< 71	< 71	< 71	< 71	< 71	< 71	< 71	< 71	< 71	< 71	< 71	NA
	11/16/2007	< 670	< 67	< 67	< 670	< 330	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	NA
	11/6/2008	< 330	< 130	< 33	< 330	< 170	< 33	< 33	< 33	< 33	< 33	< 33	< 33	< 33	< 33	< 33	< 33	< 33	NA
	11/19/2009	< 180	< 18	< 18	< 180	< 91	< 18	< 18	< 18	< 18	< 18	< 18	< 18	< 18	< 18	< 18	< 18	< 18	NA

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cyclohexane	Dibromochloromethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Isopropylbenzene
Groundwater																																
UAW13-20	5/6/2001	180	21	<10	<10		<100	170	<10	20	<20	<10		NA	<10			<200	<200	<200	<20	4.9 J	<10	<10	1.7 J	<5				<10		NA
	11/15/2001	450 B	20	<17	<17		38 J	140	<17	31	<33	<17		NA	<17			49 J	<200	<200	<33	<17	<17	<17	<8.3	<8.3				4.1 J		NA
	10/23/2002	300 J	18 J	<40	NA		NA	410	NA	38 J	<40	<40		NA	NA			55 J	NA	<250	<40	<40	<40	NA	NA	NA				<40		NA
	11/12/2003	190	19	<10	<10		<100	120	<10	29	<10	<10		<10	<10			<100	<100	<100	<10	<10	<10	<10	<5	<5				<10		<10
	3/28/2004	<200	<20	<20	<20		<200	150	<20	28	<20	<20		<20	<20			<250	<250	<250	<20	<20	<20	<20	<10	<10				<20		<20
	11/5/2004	200 B	26 B	<20	<20		21 J	180	<20	32	<20	<20		<20	<20			53 J	<100	11 J	<20	<20	<20	<20	<10	<10				<20		<20
	11/16/2005	95 J	22	<10	<10		16 J	120	<10	40	<10	<10		<10	<10			66	<10	11	<10	<10	<10	<10	<5	<5				4.3 J		<10
	10/31/2006	< 100	15	< 10	< 10	< 10	< 100	95	< 10	39	< 10	< 10	< 10	< 10	< 10	< 20	< 10	66	< 10	11	< 10	< 10	< 10	< 10	< 5	< 5	< 10	< 10	< 10	3 J	< 100	< 10
	11/16/2007	130 U	12	< 12	< 12	< 12	< 120	140	< 12	58	< 12	< 12	< 12	< 12	< 12	< 25	< 12	88	< 12	14	< 12	< 12	< 12	< 12	< 6.2	< 6.2	< 12	< 12	< 12	5.1 J	< 120	< 12
	11/6/2008	< 670	< 67	< 67	< 67	< 67	110 J B	100	< 67	64 J	< 67	< 67	< 67	< 67	< 67	< 130	< 67	120	< 67	20 J	< 67	< 67	< 67	< 67	< 33	< 33	< 67	< 67	< 67	< 67	< 670	< 67
	11/19/2009	150	11	< 4	< 4	< 4	< 40	84	< 4	44	< 4	< 4	< 4	< 4	< 4	< 8	< 4	150	< 4	20	< 4	< 4	< 4	< 4	< 2	< 2	< 4	< 4	< 4	5.5	< 40	< 4
UAW14-10	5/5/2001	<10	<1	<1	<1		<10	<1	<1	<1	<2	0.37 J		<1	<1			<10	<10	<10	<1	<1	0.67 J	<1	<0.5	<0.5				<1		<1
	11/9/2001	<10	<1	<1	<1		<10	<1	<1	<1	<2	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	10/16/2002	<10	<1	<1	NA		NA	<1	NA	<1	<1	<1		NA	NA			<10	NA	<10	<1	<1	<1	NA	NA	NA				<1		NA
	11/16/2003	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	4/5/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/6/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/16/2005	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/8/2006	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/7/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/13/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/24/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
UAW15-20	5/6/2001	<10	<1	<1	<1		<10	<1	<1	<1	<2	3.1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/11/2001	<10	<1	<1	<1		<10	<1	<1	<1	<2	14		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	10/18/2002	<10	<1	<1	NA		NA	0.24 J	NA	<1	<1	5.6		NA	NA			<10	NA	<10	<1	<1	<1	NA	NA	NA				<1		NA
	11/17/2003	<80	<8	<8	<8		<80	<8	<8	<8	<8	190		<8	<8			<10	<10	<10	<8	<8	<8	<8	<4	<4				<8		<8
	4/7/2004	<50	<5	<5	<5		<50	<5	<5	<5	<5	120		<5	<5			<10	<10	<10	<5	<5	<5	<5	<2.5	<2.5				<5		<5
	11/7/2004	5.5 J	<6.7	<6.7	<6.7		<67	<6.7	2.2 J	<6.7	<6.7	140		<6.7	<6.7			<10	<10	<10	<6.7	<6.7	<6.7	<6.7	<3.3	<3.3				<6.7		<6.7
	11/15/2005	3.8 U	<5	<5	<5		<50	<5	2.1 J	<5	<5	150		<5	<5			<5	<5	<5	<5	<5	<5	<5	<2.5	<2.5				<5		<5
	11/2/2006	< 14	< 1.4	< 1.4	< 1.4	< 1.4	< 14	< 1.4	1.1 J	< 1.4	< 1.4	40	< 1.4	< 1.4	< 1.4	< 2.9	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 0.72	< 0.72	< 1.4	< 1.4	< 1.4	< 1.4	< 14	< 1.4
	11/19/2007	< 10	< 1	0.78 J	< 1	< 1	< 10	< 1	0.69 J	< 1	< 1	20	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/14/2008	< 10	< 1	0.41 J	< 1	< 1	< 10	< 1	0.43 J	< 1	< 1	21	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/11/2009	< 10	0.52 J	0.2 J	< 1	< 1	< 10	< 1	0.54 J	< 1	< 1	19	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Methyl Acetate	Methylene chloride	Methylcyclohexane	4-Methyl-2-pentanone	Methyl tert-butyl ether	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethan	Vinyl chloride	Xylenes (total)	1,2-Dichloroethene (total)
Groundwater																			
UAW13-20	5/6/2001		<10	NA	<50	NA			<10	250		<10	<10	<10		NA	<20	5.4 J	<10
	11/15/2001		25 B	NA	22 J	NA			<17	350		<17	<17	<17		NA	<33	9.1 J	<17
	10/23/2002		22 J	<40	NA	NA			NA	1400		NA	NA	NA		NA	NA	<40	NA
	11/12/2003		<10	<10	<100	<50			<10	210		<10	<10	<10		<10	<10	<10	NA
	3/28/2004		<20	<20	<200	<100			<20	97		<20	<20	<20		<20	<20	<20	NA
	11/5/2004		<20	<20	36 J	<100			<20	52		<20	<20	<20		<20	<20	24	NA
	11/16/2005		<10	<10	7.2 J	<50			<10	23		<10	<10	<10		<10	<10	8.9 J	NA
	10/31/2006	< 100	< 10	< 10	8.5 J	< 50	< 10	< 10	< 10	13	< 10	< 10	< 10	< 10	< 10	< 10	< 10	6.1 J	NA
	11/16/2007	< 120	< 12	< 12	15 J	< 62	< 12	< 12	< 12	42	< 12	< 12	< 12	< 12	< 12	< 12	2.8 J	9.2 J	NA
	11/6/2008	< 670	< 260	< 67	37 J	< 330	< 67	< 67	< 67	1700	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	NA
	11/19/2009	< 40	< 4	< 4	9.3 J	< 20	< 4	< 4	< 4	18	< 4	< 4	< 4	< 4	< 4	< 4	< 4	11	NA
UAW14-10	5/5/2001		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<2	<1	<1
	11/9/2001		<1	<1	<10	<5			<1	<1		<1	<1	0.31 J B		<1	<2	<1	<1
	10/16/2002		<1	<1	NA	NA			NA	<1		NA	NA	NA		NA	NA	<1	NA
	11/16/2003		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	4/5/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/6/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/16/2005		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/8/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/7/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/13/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/24/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
UAW15-20	5/6/2001		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<2	<1	<1
	11/11/2001		<1	<1	<10	<5			<1	5.8		<1	<1	<1		<1	<2	<1	<1
	10/18/2002		<1	<1	NA	NA			NA	<1		NA	NA	NA		NA	NA	<1	NA
	11/17/2003		<8	<8	<80	<40			<8	<8		<8	<8	<8		<8	<8	<8	NA
	4/7/2004		<5	<5	<50	<25			<5	<5		<5	<5	<5		<5	<5	<5	NA
	11/7/2004		<6.7	<6.7	<67	<33			<6.7	<6.7		<6.7	<6.7	<6.7		<6.7	<6.7	<6.7	NA
	11/15/2005		<5	<5	<50	<25			<5	<5		<5	<5	<5		<5	<5	<5	NA
	11/2/2006	< 14	< 1.4	< 1.4	< 14	< 7.2	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	NA
	11/19/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/14/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/11/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA

Table B-1
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Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cyclohexane	Dibromochloromethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Isopropylbenzene
Groundwater																																
UAW15-50	5/6/2001	7300	<120	<120	<120		<1200	<120	<120	<120	<250	<120		<120	<120			<200	<200	<200	<120	<120	<120	<120	<62	<62				<120		<120
	11/11/2001	10000	<170	<170	<170		<1700	<170	<170	25 J	<330	<170		<170	<170			<500	<500	<500	<170	<170	<170	<170	<83	<83				<170		<170
	10/18/2002	280	<10	<10	NA		NA	<10	NA	23	<10	<10		NA	NA			<500	NA	<500	<10	<10	<10	NA	NA	NA				<10		NA
	11/17/2003	<120	<12	<12	<12		<120	<12	<12	21	<12	<12		<12	<12			<200	<200	<200	<12	<12	<12	<12	<6.2	<6.2				<12		<12
	4/7/2004	<200	<20	<20	<20		<200	<20	<20	34	<20	<20		<20	<20			<100	<100	<100	<20	<20	<20	<20	<10	<10				<20		<20
	11/7/2004	20 J B	<10	<10	<10		4.6 J	<10	<10	19	<10	<10		<10	<10			<100	<100	<100	<10	<10	<10	<10	<5	<5				<10		<10
UAW15-50 (Dup)	11/7/2004	<100	2.8 J	<10	<10		<100	<10	<10	23	<10	<10		<10	<10			<100	<100	<100	<10	<10	<10	<10	<5	<5				<10		<10
	11/15/2005	4.3 U	<3.3	<3.3	<3.3		2 U	<3.3	<3.3	25	<3.3	<3.3		0.5 J	<3.3			<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<1.7	<1.7				<3.3		<3.3
	11/2/2006	< 50	< 5	< 5	< 5	< 5	4.6 J	1.5 J	< 5	25	< 5	< 5	< 5	< 5	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.5	< 2.5	< 5	< 5	< 5	< 5	< 50	< 5
	11/19/2007	< 10	1.1	< 1	< 1	< 1	< 10	< 1	< 1	27	< 1	< 1	< 1	0.42 J	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	0.28 J	< 10	< 1
	11/14/2008	< 10	0.72 J	< 1	< 1	< 1	< 10	< 1	< 1	17	< 1	< 1	< 1	0.28 J	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	0.23 J	< 10	< 1
	11/11/2009	< 10	0.69 J	< 1	< 1	< 1	< 10	< 1	< 1	8.8	< 1	< 1	< 1	0.39 J	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
UAW16-10	10/12/2001	8000	<120	<120	<120		<1200	<120	<120	23 J	<250	<120		<120	<120			6.9 J	<10	12	<120	<120	<120	<120	<62	<62				<120		<120
UAW16-10 (Dup)	10/12/2001	6500	<100	<100	<100		<1000	<100	<100	24 J	<200	<100		<100	<100			6.2 J	<10	11	<100	<100	<100	<100	<50	<50				<100		<100
	11/13/2001	6100	<100	<100	<100		<1000	<100	<100	23 J	<200	<100		<100	<100			7.5 J	<10	10	<100	<100	<100	<100	<50	<50				<100		<100
	10/18/2002	3.7 J	0.58 J	<1	NA		NA	<1	NA	21	<1	<1		NA	NA			7 J	NA	8.3 J	<1	<1	<1	NA	NA	NA				<1		NA
	11/16/2003	<10	<1	<1	<1		<10	<1	<1	17	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
UAW16-10 (Dup)	11/17/2003	<10	<1	<1	<1		<10	<1	<1	17	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	4/7/2004	<10	<1	<1	<1		<10	<1	<1	11	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/7/2004	2.9 J B	0.28 J	<1	<1		<10	0.34 J	<1	10	<1	<1		<1	<1			7.5 J	<40	6.5 J	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/15/2005	<10	0.26 J	<1	<1		<10	<1	<1	9.1	<1	<1		<1	<1			14	0.97 J	7.9	<1	<1	<1	<1	<0.5	<0.5				0.21 J		<1
	11/6/2006	< 10	0.38 J	< 1	< 1	< 1	< 10	< 1	< 1	5.8	< 1	< 1	< 1	0.21 J	< 1	< 2	< 1	11	0.85 J	6.5	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/19/2007	< 14	< 1.4	< 1.4	< 1.4	< 1.4	<14	< 1.4	< 1.4	7.7	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 2.9	< 1.4	13	0.51 J	5.2	< 1.4	< 1.4	< 1.4	< 1.4	< 0.72	< 0.72	< 1.4	< 1.4	< 1.4	< 1.4	< 14	< 1.4
	11/18/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	5.4	< 1	< 1	< 1	< 1	< 1	< 2	< 1	13	0.69 J	5.2	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/20/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	6.8	< 1	< 1	< 1	< 1	< 1	< 2	< 1	6.6	0.52 J	4.8	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
UAW17-40	5/5/2001	<10	<1	<1	<1		<10	<1	<1	<1	<2	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/9/2001	<10	<1	<1	<1		<10	<1	<1	<1	<2	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	10/16/2002	<10	<1	<1	NA		NA	<1	NA	<1	<1	<1		NA	NA			<10	NA	<10	<1	<1	<1	<1	NA	NA				<1		NA
	11/16/2003	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	3/31/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/6/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/14/2005	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	10/31/2006	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/19/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/7/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/13/2009	< 10	0.48 J	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1

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Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Methyl Acetate	Methylene chloride	Methylcyclohexane	4-Methyl-2-pentanone	Methyl tert-butyl ether	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethan	Vinyl chloride	Xylenes (total)	1,2-Dichloroethene (total)
Groundwater																			
UAW15-50	5/6/2001		<120	<120	<1200	<620			<120	230		<120	<120	<120		<120	<250	<120	<120
	11/11/2001		110 J B	<170	<1700	<830			<170	200		<170	<170	<170		<170	<330	<170	<170
	10/18/2002		6.3 J B	<10	NA	NA			NA	140		NA	NA	NA		NA	NA	<10	NA
	11/17/2003		<12	<12	<120	<62			<12	87		<12	<12	<12		<12	<12	<12	NA
	4/7/2004		<20	<20	<200	<100			<20	200		<20	<20	<20		<20	<20	<20	NA
	11/7/2004		<10	<10	6.2 J	<50			<10	64		<10	<10	<10		<10	<10	<10	NA
UAW15-50 (Dup)	11/7/2004		12 B	<10	18 J	<50			<10	79		<10	<10	<10		<10	<10	<10	NA
	11/15/2005		<3.3	<3.3	6.3 U	<17			<3.3	43		<3.3	<3.3	<3.3		<3.3	<3.3	<3.3	NA
	11/2/2006	< 50	< 5	< 5	8 J	< 25	< 5	< 5	< 5	11	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	NA
	11/19/2007	< 10	< 1	< 1	15	< 5	< 1	< 1	< 1	0.44 J	< 1	< 1	< 1	0.29 J	< 1	< 1	< 1	0.61 J	NA
	11/14/2008	< 10	< 1	< 1	5.2 J	< 5	< 1	< 1	< 1	3.7	< 1	< 1	< 1	0.29 J	< 1	< 1	< 1	< 1	NA
	11/11/2009	< 10	< 1	< 1	1.5 J	< 5	< 1	< 1	< 1	0.23 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
UAW16-10	10/12/2001		<120	<120	<1200	<620			<120	<120		<120	<120	<120		<120	<250	<120	<120
UAW16-10 (Dup)	10/12/2001		<100	<100	<1000	<500			<100	<100		<100	<100	<100		<100	<200	<100	<100
	11/13/2001		57 J B	<100	<1000	<500			<100	<100		<100	<100	<100		<100	<200	<100	<100
	10/18/2002		<1	1.8	NA	NA			NA	1.1		NA	NA	NA		NA	NA	<1	NA
	11/16/2003		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
UAW16-10 (Dup)	11/17/2003		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	4/7/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/7/2004		<1	0.75 J	<10	<5			<1	0.3 J		<1	<1	<1		<1	<1	1.1	NA
	11/15/2005		<1	0.95 J	34	<5			<1	0.84 J		<1	<1	<1		<1	<1	<1	NA
	11/6/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	0.3 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/19/2007	< 14	< 1.4	< 1.4	< 14	< 7.2	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	NA
	11/18/2008	< 10	< 1	0.52 J	< 10	< 5	< 1	< 1	< 1	0.23 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/20/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
UAW17-40	5/5/2001		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<2	<1	<1
	11/9/2001		<1	<1	<10	<5			<1	<1		<1	<1	0.24 J B		<1	<2	<1	<1
	10/16/2002		<1	<1	NA	NA			NA	<1		NA	NA	<1		NA	NA	<1	NA
	11/16/2003		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	3/31/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/6/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/14/2005		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	10/31/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/19/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/7/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/13/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cyclohexane	Dibromochloromethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Isopropylbenzene
Groundwater																																
UAW18-20	10/12/2001	1.4 J	<1	<1	<1		0.42 J	5.7	<1	2.2	<2	<1		<1	<1			5.7 J	<10	2.8 J	<1	0.29 J	<1	<1	<0.5	<0.5				<1		<1
	11/13/2001	4.5 J	<2	<2	<2		1.4 J B	1.9 J	<2	1.7 J	<4	<2		<2	<2			<10	<10	<10	<2	0.49 J	<2	<2	<1	<1				<2		<2
	10/18/2002	<10	<1	<1	NA		NA	0.7 J	NA	2.3	<1	<1		NA	NA			3 J	NA	1.8 J	<1	0.54 J	<1	NA	NA	NA				<1		NA
	11/16/2003	<10	<1	<1	<1		<10	<1	<1	2.1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	4/7/2004	<10	<1	<1	<1		<10	<1	<1	1.7	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/7/2004	1.6 J B	<1	<1	<1		0.88 J	0.78 J	<1	1.5	<1	1.2		0.87 J	<1			2.3 J	<10	1.3 J	<1	<1	<1	<1	<0.5	<0.5				<1		0.58 J
	11/15/2005	5.1 U	<1	<1	<1		<10	<1	<1	0.42 J	<1	<1		<1	<1			0.39 J	<1	0.24 J	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/6/2006	< 10	0.25 J	< 1	< 1	< 1	< 10	< 1	< 1	3	< 1	< 1	< 1	0.13 J	< 1	< 2	< 1	4.7	0.21 J	1.8	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/16/2007	< 10	< 1	< 1	< 1	< 1	< 10	5.7	< 1	1.1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	1.6	< 1	0.65 J	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/18/2008	< 10	< 1	< 1	< 1	< 1	< 10	0.32 J	< 1	0.53 J	< 1	< 1	< 1	< 1	< 1	< 2	< 1	1.4	< 1	0.58 J	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/24/2009	< 10	< 1	< 1	< 1	< 1	< 10	0.37 J	< 1	2.1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	3.6	< 1	1.3	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
UAW19-80	5/6/2001	<17	<1.7	<1.7	<1.7		<17	<1.7	<1.7	<1.7	<3.3	19		<1.7	<1.7						<1.7	5.7	45	<1.7	1.3	<0.84				<1.7		<1.7
	11/12/2001	1.3 J B	<1	<1	<1		<10	<1	<1	<1	<2	12		<1	<1						<1	4.8	33	0.29 J	1.3	<0.5				<1		<1
UAW19-80 (Dup)	11/12/2001	6.3 J B	<5	<5	<5		<50	<5	<5	3.3 J	<10	3.7 J		<5	<5						<5	9.8	140	<5	13	<2.5				<5		<5
	10/17/2002	<10	<1	<1	NA		NA	<1	NA	<1	<1	6		NA	NA						<1	8.4	26	NA	NA	NA				<1		NA
UAW19-80 (Dup)	10/17/2002	<10	<1	<1	NA		NA	<1	NA	<1	<1	5.7		NA	NA						<1	8.1	25	NA	NA	NA				<1		NA
	11/13/2003	<10	<1	<1	<1		<10	<1	<1	<1	<1	1.2		<1	<1						<1	11	26	<1	5.5	<0.5				<1		<1
	3/30/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	1.1		<1	<1						<1	14	24	1.3	6.8	<0.5				<1		<1
	11/5/2004	2.7 J B	0.29 J B	<1	<1		<10	<1	<1	<1	<1	1.1		<1	<1						<1	14	25	1.8	7.5	<0.5				<1		<1
	11/11/2005	<10	<1	<1	<1		<10	<1	<1	<1	0.77 J	1.5		<1	<1						<1	16	35	1.8	11	0.46 J				<1		<1
UAW19-80(DUP)	11/11/2005	<10	<1	<1	<1		<10	<1	<1	<1	0.73 J	1.5		<1	<1						<1	16	35	1.8	11	0.45 J				<1		<1
	11/8/2006	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	0.35 J	1.3	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	15	35	1.8	14	0.48 J	< 1	< 1	< 1	< 1	< 10	< 1
	11/14/2007	< 14	< 1.4	< 1.4	< 1.4	< 1.4	< 14	< 1.4	< 1.4	< 1.4	< 1.4	0.86 J	< 1.4	< 1.4	< 1.4	< 2.9	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	8.8	34	1.5	12	0.34 J	< 1.4	< 1.4	< 1.4	< 1.4	< 14	< 1.4
	11/11/2008	< 14	< 1.4	< 1.4	< 1.4	< 1.4	< 14	< 1.4	< 1.4	< 1.4	0.44 J	0.86 J	< 1.4	< 1.4	< 1.4	< 2.9	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	12	47	1.5	16	0.56 J	< 1.4	< 1.4	< 1.4	< 1.4	< 14	< 1.4
	11/23/2009	< 17	1 J	< 1.7	< 1.7	< 1.7	< 17	< 1.7	< 1.7	< 1.7	< 1.7	1.4 J	< 1.7	< 1.7	< 1.7	< 3.3	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	11	57	1.1 J	15	0.58 J	< 1.7	< 1.7	< 1.7	< 1.7	< 17	< 1.7
UAW20-60	5/7/2001	<100	<10	<10	<10		<100	<10	<10	<10	<20	40		<10	<10			<10	<10	<10	<10	55	300	11	100	2 J				<10		<10
	11/14/2001	7.8 J	<11	<11	<11		<110	<11	<11	<11	<22	39		<11	<11			<10	<10	<10	<11	52	310	10 J	92	2.5 J				<11		<11
UAW20-60 (Dup)	11/14/2001	<110	<11	<11	<11		<110	<11	<11	<11	<22	41		<11	<11			<10	<10	<10	<11	58	320	11	99	1.8 J				<11		<11
	10/19/2002	21 J	<12	<12	NA		NA	<12	NA	<12	4.4 J	35		NA	NA			<10	NA	<10	<12	38	410	NA	NA	NA				<12		NA
UAW20-60 (Dup)	10/19/2002	28 J	<15	<15	NA		NA	<15	NA	<15	<15	31		NA	NA			<10	NA	<10	<15	35	380	NA	NA	NA				<15		NA
	11/13/2003	<220	<22	<22	<22		<220	<22	<22	<22	<22	65		<22	<22			<10	<10	<10	<22	32	560	<22	73	<11				<22		<22
	3/30/2004	<330	<33	<33	<33		<330	<33	<33	<33	<33	53		<33	<33			<10	<10	<10	<33	<33	730	<33	57	<17				<33		<33
	11/5/2004	130 J B	9.3 J B	<40	<40		<400	<40	<40	<40	<40	71		<40	<40			<10	<10	<10	<40	42	1200	19 J	80	<20				<40		<40
	11/11/2005	<500	<50	<50	<50		<500	<50	<50	<50	40 J	70		<50	<50			<50	<50	<50	<50	43 J	1500	9.6 J	81	<25				<50		<50
	11/7/2006	< 500	< 50	< 50	< 50	< 50	< 500	< 50	< 50	< 50	< 50	82	< 50	< 50	< 50	< 100	< 50	< 50	< 50	< 50	< 50	26 J	1600	9.8 J	63	< 25	< 50	< 50	< 50	< 50	< 500	< 50
	11/15/2007	< 670	< 67	< 67	< 67	< 67	< 670	< 67	< 67	< 67	< 67	73	< 67	< 67	< 67	< 130	< 67	< 67	< 67	< 67	< 67	26 J	1500	< 67	59	< 33	< 67	< 67	< 67	< 67	< 670	< 67
	11/18/2008	< 400	< 40	< 40	< 40	< 40	< 400	< 40	< 40	< 40	< 40	72	< 40	< 40	< 40	< 80	< 40	< 40	< 40	< 40	< 40	14 J	1200	< 40	44	< 20	< 40	< 40	< 40	< 40	< 400	< 40
	11/23/2009	< 290	16 J	< 29	< 29	< 29	< 290	< 29	< 29	< 29	< 29	65	< 29	< 29	< 29	< 57	7.2 J	< 29	< 29	< 29	< 29	< 29	970	< 29	26	< 14	< 29	< 29	< 29	< 29	< 290	< 29

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Methyl Acetate	Methylene chloride	Methylcyclohexane	4-Methyl-2-pentanone	Methyl tert-butyl ether	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethan	Vinyl chloride	Xylenes (total)	1,2-Dichloroethene (total)
Groundwater																			
UAW18-20	10/12/2001		<1	<1	<10	<5			<1	0.22 J		<1	<1	<1		<1	<2	<1	<1
	11/13/2001		<2	<2	<20	<10			<2	<2		<2	<2	<2		<2	<4	<2	<2
	10/18/2002		<1	<1	NA	NA			NA	<1		NA	NA	NA		NA	NA	<1	NA
	11/16/2003		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	4/7/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/7/2004		<1	0.63 J	2 J	<5			<1	0.43 J		<1	<1	<1		<1	<1	0.52 J	NA
	11/15/2005		<1	<1	0.92 U	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/6/2006	< 10	< 1	< 1	0.71 J	< 5	< 1	< 1	< 1	0.31 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/16/2007	< 10	< 1	< 1	0.96 J	< 5	< 1	< 1	< 1	0.27 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/18/2008	< 10	< 1	< 1	0.49 J	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/24/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.32 J	< 1	< 1	< 1	< 1	NA
UAW19-80	5/6/2001		0.56 J	<1.7	<17	<8.4			<1.7	<1.7		<1.7	<1.7	<1.7		<1.7	<3.3	<1.7	1.3 J
	11/12/2001		<1	<1	<10	<5			<1	0.36 J		0.25 J	<1	<1		<1	<2	<1	1.3
UAW19-80 (Dup)	11/12/2001		<5	<5	<50	<25			15	<5		13	<5	2.7 J		<5	<10	<5	13
	10/17/2002		<1	<1	NA	NA			NA	<1		NA	NA	NA		NA	NA	<1	NA
UAW19-80 (Dup)	10/17/2002		<1	<1	NA	NA			NA	<1		NA	NA	NA		NA	NA	<1	NA
	11/13/2003		<1	<1	<10	<5			<1	<1		1.9	<1	<1		<1	<1	<1	NA
	3/30/2004		<1	<1	<10	<5			<1	<1		2.5	<1	<1		<1	<1	<1	NA
	11/5/2004		<1	<1	<10	<5			<1	<1		2.8	<1	<1		<1	<1	<1	NA
	11/11/2005		<1	<1	<10	<5			<1	<1		5.4	0.32 J	<1		<1	<1	<1	NA
UAW19-80(DUP)	11/11/2005		<1	<1	<10	<5			<1	<1		5.3	0.35 J	<1		<1	<1	<1	NA
	11/8/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	6.4	0.29 J	< 1	< 1	< 1	< 1	< 1	NA
	11/14/2007	< 14	< 1.4	< 1.4	< 14	< 7.2	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	4.1	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	NA
	11/11/2008	< 14	< 1.4	< 1.4	< 14	< 7.2	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	5.8	0.41 J	< 1.4	< 1.4	< 1.4	< 1.4	< 1.4	NA
	11/23/2009	< 17	< 1.7	< 1.7	< 17	< 8.4	< 1.7	< 1.7	< 1.7	< 1.7	0.35 J	5.4	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	NA
UAW20-60	5/7/2001		<10	<10	<100	<50			17	<10		83	3.4 J	6.4 J		3.7 J	<20	<10	110
	11/14/2001		8 J B	<11	<110	<56			20	<11		94	4.2 J	7 J		4.5 J	<22	<11	95
UAW20-60 (Dup)	11/14/2001		7.8 J B	<11	<110	<56			20	<11		98	<11	7.9 J		4.8 J	<22	<11	100
	10/19/2002		5.3 J B	<12	NA	NA			NA	<12		NA	NA	NA		NA	NA	<12	NA
UAW20-60 (Dup)	10/19/2002		6.7 J B	<15	NA	NA			NA	<15		NA	NA	NA		NA	NA	<15	NA
	11/13/2003		<22	<22	<220	<110			32	<22		69	<22	<22		<22	<22	<22	NA
	3/30/2004		<33	<33	<330	<170			<33	<33		39	<33	<33		<33	<33	<33	NA
	11/5/2004		36 J B	<40	<400	<200			41	<40		60	<40	<40		<40	<40	<40	NA
	11/11/2005		18 U	<50	<500	<250			43 J	<50		69	<50	<50		<50	<50	<50	NA
	11/7/2006	< 500	< 50	< 50	< 500	< 250	< 50	< 50	55	< 50	< 50	56	< 50	< 50	< 50	< 50	< 50	< 50	NA
	11/15/2007	< 670	< 67	< 67	< 670	< 330	< 67	< 67	44 J	< 67	< 67	50 J	< 67	< 67	< 67	< 67	< 67	< 67	NA
	11/18/2008	< 400	< 40	< 40	< 400	< 200	< 40	< 40	93	< 40	< 40	31 J	< 40	13 J	< 40	13 J	< 40	< 40	NA
	11/23/2009	< 290	< 29	< 29	< 290	< 140	< 29	< 29	130	< 29	< 29	11 J	9.5 J	8 J	< 29	< 29	< 29	< 29	NA

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cyclohexane	Dibromochloromethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Isopropylbenzene
Groundwater																																
UAW21-30	5/5/2001	<10	<1	<1	<1		<10	<1	<1	<1	<2	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/11/2001	0.8 J B	<1	<1	<1		<10	<1	<1	<1	<2	0.23 J		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	10/18/2002	<10	<1	<1	NA		NA	<1	NA	<1	<1	<1		NA	NA			<10	NA	<10	<1	<1	<1	NA	NA	NA				<1		NA
	11/11/2003	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	3/27/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/3/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	0.33 J		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/9/2005	<10	<1	<1	<1		<10	<1	<1	<1	<1	0.30 J		<1	<1			<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/9/2006	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	0.58 J	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/6/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	0.6 J	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/5/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	0.28 J	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/13/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	1.9	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
UAW21-80	5/5/2001	<10	<1	<1	<1		<10	<1	<1	<1	<2	0.43 J		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/11/2001	1.3 J B	<1	<1	<1		<10	<1	<1	<1	<2	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	10/18/2002	<10	<1	<1	NA		NA	<1	NA	<1	<1	<1		NA	NA			<10	NA	<10	<1	<1	<1	NA	NA	NA				<1		NA
	11/11/2003	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	3/27/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/3/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/8/2005	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/8/2006	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/6/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/5/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/13/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
UAW22-20	10/13/2001	6.2 J B	1.3 J	<2.5	<2.5		<25	<2.5	<2.5	29	<5	<2.5		<2.5	<2.5			70	1.6 J	9.7 J	<2.5	53	2.5	<2.5	6.9	<1.2				<2.5		<2.5
	11/13/2001	5.3 J	2.2 J	<6.9	<6.9		10 J B	<6.9	<6.9	38	<14	<6.9		<6.9	<6.9			78	1.7 J	9.9 J	<6.9	66	2.3 J	<6.9	16	<3.4				<6.9		<6.9
	10/20/2002	3700 B	<50	<50	NA		NA	<50	NA	95	<50	<50		NA	NA			60	NA	10 J	<50	<50	<50	NA	NA	NA				<50		NA
	11/10/2003	<20	<2	<2	<2		<20	<2	<2	65	<2	<2		<2	<2			44	<20	<20	<2	12	2.7	<2	2.8	<1				<2		<2
	3/29/2004	<10	<1	<1	<1		<10	<1	<1	34	<1	<1		<1	<1			31	<10	<10	<1	8.1	2	<1	1.6	<0.5				<1		<1
	11/4/2004	7.5 J B	2.6 B	<2.5	<2.5		<25	<2.5	<2.5	53	<2.5	<2.5		<2.5	<2.5			34	0.88 J	6.8 J	<2.5	39	1.5 J	<2.5	17	<1.2				<2.5		<2.5
	11/15/2005	5.6 U	1.6 J	<2	<2		<20	<2	<2	24	<2	<2		<2	<2			74	1.4 J	8.7	<2	18	0.81 J	<2.0	3.2	<1				<2		<2
	11/9/2006	< 25	< 2.5	< 2.5	< 2.5	< 2.5	< 25	< 2.5	< 2.5	24	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 5	< 2.5	68	1.1 J	7.7	< 2.5	3.9	2.5	< 2.5	1.1 J	< 1.2	< 2.5	< 2.5	< 2.5	< 2.5	< 25	< 2.5
	11/16/2007	560 U	< 12	< 12	< 12	< 12	< 120	< 12	< 12	52	< 12	< 12	< 12	< 12	< 12	< 25	< 12	49	< 12	6.3 J	< 12	11 J	< 12	< 12	6.5	< 6.2	< 12	< 12	< 12	< 12	< 120	< 12
	11/13/2008	< 17	0.76 J	< 1.7	< 1.7	< 1.7	< 17	< 1.7	< 1.7	56	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 3.3	< 1.7	52	1.1 J	7.6	7.1	9.3	< 1.7	0.65 J	5.5	0.44 J	< 1.7	< 1.7	< 1.7	< 1.7	< 17	< 1.7
UAW22-20 Dup	11/13/2008	< 17	0.79 J	< 1.7	< 1.7	< 1.7	< 17	< 1.7	< 1.7	60	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	< 3.3	< 1.7	57	1.1 J	8.3	6.2	9.6	< 1.7	0.68 J	5.9	0.44 J	< 1.7	< 1.7	< 1.7	< 1.7	< 17	< 1.7
	11/11/2009	< 33	1.4 J	< 3.3	< 3.3	< 3.3	< 33	< 3.3	< 3.3	74	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 6.7	< 3.3	62	1.4 J	11	< 3.3	3.7	< 3.3	< 3.3	1.6 J	< 1.7	< 3.3	< 3.3	< 3.3	< 3.3	< 33	< 3.3

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Methyl Acetate	Methylene chloride	Methylcyclohexane	4-Methyl-2-pentanone	Methyl tert-butyl ether	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethan	Vinyl chloride	Xylenes (total)	1,2-Dichloroethene (total)
Groundwater																			
UAW21-30	5/5/2001		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<2	<1	<1
	11/11/2001		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<2	<1	<1
	10/18/2002		<1	<1	NA	NA			NA	<1		NA	NA	NA		NA	NA	<1	NA
	11/11/2003		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	3/27/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/3/2004		<1	<1	<10	<5			0.45 J	<1		<1	<1	<1		<1	<1	<1	NA
	11/9/2005		<1	<1	<10	<5			0.22 J	<1		<1	<1	<1		<1	<1	<1	NA
	11/9/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/6/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.59 J	< 1	< 1	< 1	< 1	NA
	11/5/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	2	< 1	< 1	< 1	< 1	1.4	< 1	< 1	< 1	< 1	NA
	11/13/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	9.8	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
UAW21-80	5/5/2001		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<2	<1	<1
	11/11/2001		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<2	<1	<1
	10/18/2002		<1	<1	NA	NA			NA	<1		NA	NA	NA		NA	NA	<1	NA
	11/11/2003		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	3/27/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/3/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/8/2005		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	0.22 J	<1	NA
	11/8/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/6/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/5/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	0.31 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/13/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.26 J	< 1	NA
UAW22-20	10/13/2001		1.6 J B	<2.5	<25	<12			<2.5	0.92 J		<2.5	<2.5	0.39 J		<2.5	14	<2.5	6.9
	11/13/2001		4.4 J B	<6.9	<69	<34			<6.9	1.3 J		<6.9	<6.9	2 J		<6.9	15	<6.9	16
	10/20/2002		32 J	<50	NA	NA			NA	<50		NA	NA	NA		NA	NA	<50	NA
	11/10/2003		<2	<2	<20	<10			<2	<2		<2	<2	<2		<2	7.5	<2	NA
	3/29/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	3.3	<1	NA
	11/4/2004		1.8 J B	<2.5	<25	<12			<2.5	0.59 J		<2.5	<2.5	0.8 J		<2.5	4	2.4 J	NA
	11/15/2005		<2	<2	<20	<10			<2	0.58 J		<2	<2	<2		<2	5.6	<2	NA
	11/9/2006	< 25	< 2.5	< 2.5	< 25	< 12	< 2.5	< 2.5	< 2.5	0.54 J	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	1.3 J	< 2.5	NA
	11/16/2007	< 120	< 12	< 12	< 120	< 62	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	< 12	NA
	11/13/2008	< 17	< 1.7	< 1.7	< 17	< 8.4	< 1.7	< 1.7	< 1.7	1.2 J	< 1.7	< 1.7	< 1.7	8.9	< 1.7	< 1.7	2.4	< 1.7	NA
UAW22-20 Dup	11/13/2008	< 17	< 1.7	< 1.7	< 17	< 8.4	< 1.7	< 1.7	< 1.7	1.2 J	< 1.7	< 1.7	< 1.7	9.5	< 1.7	< 1.7	2.4	< 1.7	NA
	11/11/2009	< 33	< 3.3	< 3.3	< 33	< 17	< 3.3	< 3.3	< 3.3	0.92 J	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	< 3.3	1.6 J	< 3.3	NA

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Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cyclohexane	Dibromochloromethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Isopropylbenzene
Groundwater																																
UAW23-20	10/12/2001	11 J	<20	<20	<20		<200	<20	<20	<20	<40	67		<20	<20			<10	<10	<10	<20	20	660	<20	25	<10				<20		<20
	11/14/2001	<200	<20	<20	<20		<200	<20	<20	<20	<40	60		<20	<20			<10	<10	<10	<20	17 J	510	<20	21	<10				<20		<20
	10/19/2002	<12	<1.2	<1.2	NA		NA	<1.2	NA	<1.2	<1.2	31		NA	NA			<10	NA	<10	<1.2	11	34	<1.2	NA	NA				<1.2		NA
	11/13/2003	<17	<1.7	<1.7	<1.7		<17	<1.7	<1.7	<1.7	<1.7	7.7		<1.7	<1.7			<10	<10	<10	<1.7	10	20	<1.7	11	<0.84				<1.7		<1.7
	3/28/2004	<14	<1.4	<1.4	<1.4		<14	<1.4	<1.4	<1.4	<1.4	8		<1.4	<1.4			<10	<10	<10	<1.4	10	21	<1.4	10	0.84				<1.4		<1.4
	11/5/2004	<10	0.25 J B	<1	<1		<10	<1	<1	<1	<1	5.4		<1	<1			<10	<10	<10	<1	9.1	5.6	2.8	9.3	0.6				<1		<1
	11/14/2005	<14	<1.4	<1.4	<1.4		<14	<1.4	<1.4	<1.4	<1.4	29		<1.4	<1.4			<1.4	<1.4	<1.4	<1.4	5.9	0.52 J	0.59 J	6.8	0.62 J				<1.4		<1.4
	11/6/2006	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	37	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	5.8	0.32 J	0.38 J	6.6	0.85	< 1	< 1	< 1	< 1	< 10	< 1
	11/13/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	28	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	4.2	0.36 J	1.5	5.2	0.47 J	< 1	< 1	< 1	< 1	< 10	< 1
	11/13/2008	< 17	< 1.7	< 1.7	< 1.7	< 1.7	< 17	< 1.7	< 1.7	< 1.7	< 1.7	45	< 1.7	< 1.7	< 1.7	< 3.3	< 1.7	< 1.7	< 1.7	< 1.7	< 1.7	4.6	< 1.7	0.86 J	4.2	0.66 J	< 1.7	< 1.7	< 1.7	< 1.7	< 17	< 1.7
	11/24/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	27	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	4.6	0.28 J	0.19 J	4.1	0.77	< 1	< 1	< 1	< 1	< 10	< 1
UAW24-70	10/13/2001	<10	<1	<1	<1		<10	<1	<1	<1	<2	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/15/2001	2.9 J B	<1	<1	<1		<10	1.5	<1	<1	<2	<1		<1	<1			<10	<10	<10	<1	<1	0.65 J	<1	<0.5	<0.5				<1		<1
	10/17/2002	<10	<1	<1	NA		NA	0.55 J	NA	<1	<1	<1		NA	NA			<10	NA	<10	<1	<1	<1	NA	NA	NA				<1		NA
	11/16/2003	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	4/5/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/6/2004	<10	<1	<1	<1		0.5 J	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/16/2005	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	10/31/2006	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/7/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	0.26 J	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/13/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/24/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
UAW25-20	10/13/2001	1.5 J B	0.6 J	<1	<1		0.48 J	<1	<1	9	<2	<1		<1	<1			11	<10	3 J	<1	0.28 J	<1	<1	<0.5	<0.5				<1		<1
	11/13/2001	2.3 J	0.33 J	<1	<1		<10	<1	<1	11	<2	<1		<1	<1			11	<10	3.2 J	<1	0.17 J	<1	<1	<0.5	<0.5				<1		<1
	10/18/2002	<10	<1	<1	NA		NA	<1	NA	18	<1	<1		NA	NA			5.6 J	NA	1.7 J	<1	0.5 J	<1	NA	NA	NA				<1		NA
	11/12/2003	<10	<1	<1	<1		<10	<1	<1	11	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	3/27/2004	<10	<1	<1	<1		<10	<1	<1	8	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/3/2004	0.79 J	<1	<1	<1		<10	<1	<1	7.9	<1	<1		1.2	<1			6.4 J	<10	2.4 J	<1	<1	<1	<1	<0.5	<0.5				<1		0.57 J
	11/9/2005	<10	<1	<1	<1		<10	<1	<1	6	<1	<1		<1	<1			10	0.42 J	3.3	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/8/2006	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	6.4	< 1	< 1	< 1	< 1	< 1	< 2	< 1	11	0.42 J	3.3	< 1	< 1	0.95 J	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/8/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	4.8	< 1	< 1	< 1	< 1	< 1	< 2	< 1	13	0.46 J	3.9	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/3/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	2.5	< 1	< 1	< 1	< 1	< 1	< 2	< 1	11	0.36 J	3.3	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/12/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	2.6	< 1	< 1	< 1	< 1	< 1	< 2	< 1	14	0.4 J	3.7	0.48 J	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Methyl Acetate	Methylene chloride	Methylcyclohexane	4-Methyl-2-pentanone	Methyl tert-butyl ether	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethan	Vinyl chloride	Xylenes (total)	1,2-Dichloroethene (total)
Groundwater																			
UAW23-20	10/12/2001		<20	<20	<200	<100			82	<20		51	6.3 J	8.4 J		<20	<40	<20	25
	11/14/2001		15 J B	<20	<200	<100			61	<20		50	<20	8.8 J		<20	<40	<20	21
	10/19/2002		0.45 J B	<1.2	NA	NA			NA	<1.2		NA	NA	7.2		NA	NA	<1.2	NA
	11/13/2003		<1.7	<1.7	<17	<8.4			40	<1.7		22	2.9	5		2.2	<1.7	<1.7	NA
	3/28/2004		<1.4	<1.4	<14	<7.2			39	<1.4		20	2.6	4.5		2.4	<1.4	<1.4	NA
	11/5/2004		<1	<1	<10	<5			47	<1		16	2.6	5.1		<1	<1	<1	NA
	11/14/2005		<1.4	<1.4	<14	<7.2			39	<1.4		13	2.7	3.8		1.4	<1.4	<1.4	NA
	11/6/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	27	< 1	< 1	14	2.6	3.8	< 1	1.9	< 1	< 1	NA
	11/13/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	25	< 1	< 1	9	2.3	3.5	< 1	1.1	< 1	< 1	NA
	11/13/2008	< 17	< 1.7	< 1.7	< 17	< 8.4	< 1.7	< 1.7	22	< 1.7	< 1.7	10	2.2	2.5	< 1.7	1.1 J	< 1.7	< 1.7	NA
	11/24/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	26	< 1	< 1	9.3	1.9	3.2	< 1	1.1	< 1	< 1	NA
UAW24-70	10/13/2001		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<2	<1	<1
	11/15/2001		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<2	<1	<1
	10/17/2002		<1	<1	NA	NA			NA	0.48 J		NA	NA	NA		NA	NA	<1	NA
	11/16/2003		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	4/5/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/6/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/16/2005		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	10/31/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	0.31 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/7/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/13/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/24/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
UAW25-20	10/13/2001		<1	<1	<10	<5			<1	0.61 J		<1	<1	<1		<1	<2	<1	<1
	11/13/2001		<1	<1	<10	<5			<1	0.77 J		<1	<1	<1		<1	<2	<1	<1
	10/18/2002		<1	<1	NA	NA			NA	<1		NA	NA	NA		NA	NA	<1	NA
	11/12/2003		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	3/27/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/3/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	0.48 J	NA
	11/9/2005		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/8/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	0.19 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/8/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/3/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/12/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cyclohexane	Dibromochloromethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Isopropylbenzene
Groundwater																																
UAW26-70	4/6/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/6/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/10/2005	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<1	<1	<1	<1	<1	<1	<1	<0.5	<0.5				<1		<1
	11/7/2006	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/14/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/6/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
	11/19/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
UAW27-50	3/31/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	<1		<1	<1			<10	<10	<10	<1	10	<1	<1	5.2	<0.5				<1		<1
	11/5/2004	<10	<1	<1	<1		<10	<1	<1	<1	<1	0.42 J		<1	<1			<10	<10	<10	<1	9.9	0.52 J	0.66 J	5.4	<0.5				<1		<1
	11/11/2005	<10	<1	<1	<1		<10	<1	<1	<1	<1	0.51 J		<1	<1			<1	<1	<1	<1	10	0.58 J	0.79 J	7.1	0.27 J				<1		<1
	11/1/2006	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	0.33 J	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	6.4	0.4 J	0.54 J	5.5	0.24 J	< 1	< 1	< 1	< 1	< 10	< 1
	11/13/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	0.46 J	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	6.4	0.52 J	0.77 J	8.7	0.22 J	< 1	< 1	< 1	< 1	< 10	< 1
	11/13/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	13	0.64 J	2.5	17	0.66	< 1	< 1	< 1	< 1	< 10	< 1
	11/11/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	0.77 J	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	12	0.76 J	1.9	18	0.67	< 1	< 1	< 1	< 1	< 10	< 1
LAW05-150	3/16/2002	<200	<20	<20	<20		<200	<20	<20	<20	<40	<20		NA	<20			<10	<10	<10	<40	25	450	<20	26	4 J				<20		NA
LAW05-150 (Dup)	3/16/2002	<200	<20	<20	<20		<200	<20	<20	<20	<40	<20		NA	<20			<10	<10	<10	<40	24	450	<20	26	4.6 J				<20		NA
	11/17/2009	< 10	< 1	< 1	< 1	< 1	< 10	0.23 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	0.15 J	< 1	0.13 J	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
LAW05-60	3/16/2002	5.5 J	<2.9	<2.9	<2.9		<29	<2.9	<2.9	<2.9	<5.7	1 J		NA	<2.9			<10	<10	<10	<5.7	46	<2.9	9.8	64	3.5				<2.9		NA
	11/17/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	13	< 1	2.9	28	2.2	< 1	< 1	< 1	< 1	< 10	< 1
LAW12-60	10/13/2001	0.55 J B	<1	<1	<1		<10	<1	<1	0.14 J	<2	<1		NA	<1			<10	<10	<10	<2	2.3	4.6	<1	5.3	0.73				<1		NA
	11/16/2001	1.5 J	<1	<1	<1		<10	<1	<1	<1	<2	<1		NA	<1			<10	<10	<10	<2	2.5	4.8	<1	5.1	0.68				<1		NA
	11/19/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	0.33 J	< 1	< 1	< 1	1.5	3.6	< 1	0.8	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
CINEB-1	11/11/2005	5.5 J B	<1	<1	<1		0.71 J	<1	<1	<1	<1	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
5CINTB-1	11/15/2005	5.7 J B	<1	<1	<1		0.8 J	<1	<1	<1	<1	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
8CINTB-1	11/8/2005	8.6 J	<1	<1	<1		0.83 J	<1	<1	<1	<1	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
9CINTB-1	11/9/2005	8.4 J	<1	<1	<1		0.88 J	<1	<1	<1	<1	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
10CINTB-1	11/10/2005	1.1 J	<1	<1	<1		0.45 J	<1	<1	<1	<1	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
6CINTB-1	11/16/2005	3.2 J	<1	<1	<1		0.48 J	<1	<1	<1	<1	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
4CINTB-1	11/14/2005	9.2 J	<1	<1	<1		0.82 J	<1	<1	<1	<1	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
11CINTB-1	11/11/2005	4.8 J B	<1	<1	<1		0.65 J	<1	<1	<1	<1	<1		<1	<1						<1	<1	<1	<1	<0.5	<0.5				<1		<1
20061102CINEB-1	11/2/2006	13 B	< 1	< 1	< 1	< 1	2.2 J	0.4 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20061106CINEB-1	11/6/2006	11	< 1	< 1	< 1	< 1	2.2 J	0.78 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20061106CINFB-1	11/6/2006	15	< 1	< 1	< 1	< 1	2.6 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20061106TB-1	11/6/2006	3.8 J	< 1	< 1	< 1	< 1	0.61 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20061106TB-2	11/6/2006	3.7 J	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20061107TB-3	11/7/2006	4.1 J	< 1	< 1	< 1	< 1	0.62 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20061108CINFB-1	11/8/2006	12 B	< 1	< 1	< 1	< 1	2.1 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20061108TB-4	11/8/2006	3.5 J	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20061108TB-5	11/8/2006	3.5 J	< 1	< 1	< 1	< 1	0.41 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Methyl Acetate	Methylene chloride	Methylcyclohexane	4-Methyl-2-pentanone	Methyl tert-butyl ether	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethan	Vinyl chloride	Xylenes (total)	1,2-Dichloroethene (total)
Groundwater																			
UAW26-70	4/6/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/6/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/10/2005		<1	<1	<10	<5			<1	0.21 J		<1	<1	<1		<1	<1	<1	NA
	11/7/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/14/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/6/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/19/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
UAW27-50	3/31/2004		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
	11/5/2004		<1	<1	<10	<5			<1	<1		0.98 J	<1	<1		<1	<1	<1	NA
	11/11/2005		<1	<1	<10	<5			<1	<1		1.6	<1	<1		<1	<1	<1	NA
	11/1/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	0.41 J	< 1	1.1	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/13/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	1.9	< 1	< 1	< 1	< 1	< 1	< 1	NA
	11/13/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	7.2	0.27 J	< 1	< 1	< 1	< 1	< 1	NA
	11/11/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	9.1	0.34 J	< 1	< 1	< 1	< 1	< 1	NA
LAW05-150	3/16/2002		<20	NA	<100	NA			<20	<20		<20	<20	<20		NA	<40	<20	30
LAW05-150 (Dup)	3/16/2002		<20	NA	<100	NA			<20	<20		<20	<20	<20		NA	<40	<20	30
	11/17/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	1 U	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
LAW05-60	3/16/2002		<2.9	NA	<14	NA			<2.9	<2.9		<2.9	<2.9	<2.9		NA	0.78 J	<2.9	68
	11/17/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.94 J	< 1	NA
LAW12-60	10/13/2001		<1	NA	<5	NA			<1	<1		<1	<1	<1		NA	0.2 J	<1	6
	11/16/2001		<1	NA	<5	NA			<1	<1		<1	<1	<1		NA	<2	<1	5.8
	11/19/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
CINEB-1	11/11/2005		<1	<1	<10	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
5CINTB-1	11/15/2005		<1	<1	0.9 J	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
8CINTB-1	11/8/2005		<1	<1	0.73 J	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
9CINTB-1	11/9/2005		<1	<1	0.69 J	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
10CINTB-1	11/10/2005		<1	<1	0.69 J	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
6CINTB-1	11/16/2005		<1	<1	0.51 J	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
4CINTB-1	11/14/2005		<1	<1	0.62 J	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
11CINTB-1	11/11/2005		<1	<1	0.73 J	<5			<1	<1		<1	<1	<1		<1	<1	<1	NA
20061102CINEB-1	11/2/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20061106CINEB-1	11/6/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20061106CINFB-1	11/6/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20061106TB-1	11/6/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20061106TB-2	11/6/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20061107TB-3	11/7/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20061108CINFB-1	11/8/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20061108TB-4	11/8/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20061108TB-5	11/8/2006	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Cyclohexane	Dibromochloromethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	Isopropylbenzene
Groundwater																																
20071107CINEB-1	11/7/2007	3 J	< 1	< 1	< 1	< 1	< 10	1.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20071107CINFB-1	11/7/2007	3.9 J	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20071109CINTB-1	11/9/2007	1.5 J	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20071109CINTB-2	11/9/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20071114CINTB-1	11/14/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20071115CINEB-2	11/15/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20071115CINFB-2	11/15/2007	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20071116CINTB-1	11/16/2007	2.4 J	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20071119CINTB-1	11/19/2007	2.5 J	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20081104CINEB-1	11/4/2008	5.9 J	< 1	< 1	< 1	< 1	0.74 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20081104CINTB-1	11/4/2008	1.8 J	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20081105CINTB-1	11/5/2008	3.5 J B	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20081107CINTB-1	11/7/2008	1.3 J	< 1	< 1	< 1	< 1	0.69 J B	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20081111CINTB-1	11/11/2008	2.3 J	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20081113CINFB-1	11/13/2008	8.8 J	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	0.28 J	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20081113CINTB-1	11/13/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20081114CINEB-1	11/14/2008	14	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	0.3 J	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20081114CINTB-1	11/14/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20081117CINTB-1	11/17/2008	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20081118CINEB-1	11/18/2008	14	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	0.28 J	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20091113TB-1	11/13/2009	4.3 J	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20091117CINEB-1	11/17/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20091117TB-1	11/17/2009	2.6 J	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20091120CINFB-1	11/20/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20091120TB-1	11/20/2009	< 10	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20091123CINEB-1	11/23/2009	12	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1
20091124TB-1	11/24/2009	4.5 J	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 10	< 1

Table B-1
Summary of Volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Methyl Acetate	Methylene chloride	Methylcyclohexane	4-Methyl-2-pentanone	Methyl tert-butyl ether	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Trichlorofluoromethane	1,1,2-Trichloro-1,2,2-trifluoroethan	Vinyl chloride	Xylenes (total)	1,2-Dichloroethene (total)
Groundwater																			
20071107CINEB-1	11/7/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20071107CINFB-1	11/7/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20071109CINTB-1	11/9/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20071109CINTB-2	11/9/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20071114CINTB-1	11/14/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20071115CINEB-2	11/15/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20071115CINFB-2	11/15/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20071116CINTB-1	11/16/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20071119CINTB-1	11/19/2007	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20081104CINEB-1	11/4/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20081104CINTB-1	11/4/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20081105CINTB-1	11/5/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20081107CINTB-1	11/7/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20081111CINTB-1	11/11/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20081113CINFB-1	11/13/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20081113CINTB-1	11/13/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20081114CINEB-1	11/14/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20081114CINTB-1	11/14/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20081117CINTB-1	11/17/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20081118CINEB-1	11/18/2008	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20091113TB-1	11/13/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20091117CINEB-1	11/17/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20091117TB-1	11/17/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20091120CINFB-1	11/20/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20091120TB-1	11/20/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20091123CINEB-1	11/23/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA
20091124TB-1	11/24/2009	< 10	< 1	< 1	< 10	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	NA

Notes:
J = Estimated result; result is less than reporting limit.
B = Method blank contamination. The asociated mehtod blank contains the target analyte at a reportable level.
NA indicates chemical was not on the target analyte list for that sample.
<5 = Indicates constituent not detected at or above indicated detection limit.

Table B-2
Summary of Semi-volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Aniline	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Benzaldehyde	1,1'-Biphenyl	bis(2-Chloroethoxy)methane	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl) phthalate	4-Bromophenyl phenl ether	Butyl benzyl phthalate	Caprolactam	Carbazole	4-Chloroaniline	4-Chloro-3-methylphenol	2-Chloronaphthalene	2-Chlorophenol	4-Chlorophenyl phenyl ether	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	3,3'-Dichlorobenzidine	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate	Di-n-butyl phthalate	4,6-Dinitro-2-methylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
Groundwater																																						
MW-EPA-1	5/8/2001	NA	<120										<120	<120			<120		<120	<120	<120				<120						<120		<120	<120				
	11/15/2001	NA	<200										<200	<200			<200		<200	<200	<200				<200						<200		<200	<200				
	10/20/2002	<1000	NA										<1000	NA			NA		NA	NA	NA				NA						NA		NA	NA				
	11/12/2003	<500	<500										<500	<500			<500		<500	<500	<500				<500						<500		<500	<500				
	3/28/2004	<500	<500										<500	<500			<500		<500	<500	<500				<500						<500		<500	<500				
	11/4/2004	28 J	<500										<500	<500			<500		<500	<500	<500				<500						<500		<500	<500				
	11/15/2005	37	<10										3.2 J	<10			1.7 U		<10	3.6 J	<10				<10						0.96 J		<10	<10				
	11/8/2006	36 J	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	16 J	< 50	< 50	< 50	< 50	< 250	< 50	< 50	< 50	< 50	< 50	< 250	< 250	< 50
	11/19/2007	42 J	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 1000	< 200	< 200	< 200	< 200	< 200	< 1000	< 1000	< 200
	11/6/2008	65	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	15 J	< 20	< 20	< 20	< 20	< 100	3.3 J	< 20	< 20	< 20	< 20	< 100	< 100	< 20
	11/20/2009	31 J	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	19 J	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	14 J	< 100	< 100	< 100	< 100	< 500	< 100	< 100	< 100	< 100	< 100	< 500	< 500	< 100
MW-EPA-2	5/8/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/14/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	10/20/2002	<10	NA										<10	NA			NA		NA	NA	NA				NA						NA		NA	NA				
	11/11/2003	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	3/29/2004	<10	<10										<10	<10			34		<10	<10	<10				<10						<10		<10	<10				
	11/4/2004	<10	<10										<10	<10			<10		<10	1.7 J	<10				<10						<10		<10	<10				
	11/11/2005	<10	<10										<10	<10			0.78 U		<10	3.2 J	<10				<10						<10		<10	<10				
	11/9/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/19/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/17/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/23/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
MW-EPA-3	5/6/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/13/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	10/17/2002	<10	NA										<10	NA			NA		NA	NA	NA				NA						NA		NA	NA				
	11/13/2003	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	3/30/2004	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/4/2004	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/11/2005	<10	<10										<10	<10			0.48 U		<10	1.6 J	<10				<10						<10		<10	<10				
	11/7/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/14/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/11/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/23/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
MW-EPA-4	5/8/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/13/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	10/18/2002	<10	NA										<10	NA			NA		NA	NA	NA				NA						NA		NA	NA				
	11/16/2003	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	4/6/2004	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/6/2004	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/10/2005	<10	<10										<10	<10			0.65 U		<10	1.2 J	<10				<10						<10		<10	<10				
	11/7/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/14/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	14	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/6/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/19/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
Recovery Well	7/29/2001	4.6 J	<10										NA	NA			<10		<10	NA	NA				<10						<10		<10	<10				
UAW01-30	5/4/2001	NA	<10										<10	<10			3.4 J		<10	<10	<10				<10						<10		<10	<10				
	11/8/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	10/17/2002	<10	NA										<10	NA			NA		NA	NA	NA				NA						NA		NA	NA				
	11/11/2003	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	3/24/2004	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/3/2004	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/8/2005	<10	<10										<10	<10			1.2 J		<10	<10	<10				<10						<10		<10	<10				
UAW01-30(DUP)	11/8/2005	<10	<10										<10	<10			3.9 U		<10	<10	<10				<10						<10		<10	<10				
	11/1/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/8/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/5/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/12/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10

Table B-2
Summary of Semi-volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	2,6-Dinitrotoluene	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(123-cd)pyrene	Isophorone	2-Methylnaphthalene	2-Methylphenol	4-Methylphenol	Naphthalene	2-Nitroaniline	3-Nitroaniline	4-Nitroaniline	Nitrobenzene	2-Nitrophenol	4-Nitrophenol	N-Nitrosodi-n-propyl-amine	N-Nitrosodiphenylamine	2,2'-oxybis(1-Chloropropane	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane
Groundwater																																			
MW-EPA-1	5/8/2001				<120							<120	<120	<120	<120												<120				<120	940	<120	160	NA
	11/15/2001				<200							<200	<200	<200	<200												<200				<200	1700	35 J	260	NA
	10/20/2002				NA							NA	<1000	<1000	NA												NA				NA	1900	NA	300 J	NA
	11/12/2003				<500							<500	<500	<500	<500												<500				<500	1700	<500	<500	NA
	3/28/2004				<500							<500	<500	<500	<500												<500				<500	1300	<500	<500	NA
	11/4/2004				<500							<500	<500	<500	<500												<500				<500	1100	35 J	250 J	NA
	11/15/2005				<10							<10	<10	<10	<10												<10				<56	1000	33 J	220	NA
	11/8/2006	< 50	< 50	< 50	< 50	< 50	< 50	< 250	< 50	< 50	< 50	< 50	< 50	< 50	11 J	< 250	< 250	< 250	< 50	< 50	< 250	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	NA	NA	NA	NA	NA
	11/19/2007	< 200	< 200	< 200	< 200	< 200	< 200	< 1000	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 1000	< 1000	< 1000	< 200	< 200	< 1000	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	NA	NA	NA	NA	NA
	11/6/2008	< 20	< 20	< 20	< 20	< 20	< 20	< 100	< 20	< 20	< 20	< 20	< 20	< 20	12 J	< 100	< 100	< 100	< 20	< 20	< 100	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	NA	NA	NA	NA
	11/20/2009	< 100	< 100	< 100	< 100	< 100	< 100	< 500	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 500	< 500	< 500	< 100	< 100	< 500	< 100	< 100	< 100	< 100	< 100	8.5 J	< 100	< 100	< 100	NA	NA	NA	NA	NA
MW-EPA-2	5/8/2001				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/14/2001				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	10/20/2002				NA							NA	<10	<10	NA												NA				NA	<10	NA	<10	NA
	11/11/2003				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	3/29/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/4/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/11/2005				<10							<10	<10	<10	<10												<10				<2	<2	<2	<2	NA
	11/9/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/19/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/17/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/23/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
MW-EPA-3	5/6/2001				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/13/2001				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	10/17/2002				NA							NA	<10	<10	NA												NA				NA	<10	NA	<10	NA
	11/13/2003				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	3/30/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/4/2004				<10							<10	<10	<10	<10												<10				<1	<1	<1	<1	NA
	11/11/2005				<10							<10	<10	<10	<10												<10				<1	<1	<1	<1	NA
	11/7/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/14/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/11/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/23/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
MW-EPA-4	5/8/2001				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/13/2001				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	10/18/2002				NA							NA	<10	<10	NA												NA				NA	<10	NA	<10	NA
	11/16/2003				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	4/6/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/6/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/10/2005				<10							<10	<10	<10	<10												<10				<1	<1	<1	<1	NA
	11/7/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/14/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
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	11/19/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
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	11/8/2005				<10							<10	<10	<10	<10												<10				<1	<1	<1	<1	NA
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	11/5/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/12/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA

Table B-2
Summary of Semi-volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Aniline	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Benzaldehyde	1,1'-Biphenyl	bis(2-Chloroethoxy)methane	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl) phthalate	4-Bromophenyl phenl ether	Butyl benzyl phthalate	Caprolactam	Carbazole	4-Chloroaniline	4-Chloro-3-methylphenol	2-Chloronaphthalene	2-Chlorophenol	4-Chlorophenyl phenyl ether	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	3,3'-Dichlorobenzidine	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate	Di-n-butyl phthalate	4,6-Dinitro-2-methylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
Groundwater																																						
UAW01-80	5/12/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/15/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
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	4/10/2004	<67	<67										<67	<67			<67		<67	<67	<67				<67						<67		<67	<67				
	11/6/2004	<10	<10										<10	<10			1.5 J B		<10	<10	<10				<10						<10		<10	<10				
	11/8/2005	<10	<10										<10	<10			1.2 U		<10	<10	<10				<10						<10		<10	<10				
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	11/10/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	10/17/2002	<10	NA										<10	NA			NA		NA	NA	NA				NA						NA		NA	NA				
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	11/12/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
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UAW04-20 (DUP)	11/6/2006	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 200	< 40	< 40	< 40	< 40	< 40	< 200	< 200	< 40
	11/3/2008	3.3 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	1.4 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/16/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10

Table B-2
Summary of Semi-volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	2,6-Dinitrotoluene	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(123-cd)pyrene	Isophorone	2-Methylnaphthalene	2-Methylphenol	4-Methylphenol	Naphthalene	2-Nitroaniline	3-Nitroaniline	4-Nitroaniline	Nitrobenzene	2-Nitrophenol	4-Nitrophenol	N-Nitrosodi-n-propyl-amine	N-Nitrosodiphenylamine	2,2'-oxybis(1-Chloropropane	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane
Groundwater																																			
UAW01-80	5/12/2001				<10							<0.050	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/15/2001				<10							<0.050	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/19/2003				<10							<0.050	<10	<10	<10												<10				<10	<10	<10	<10	NA
	4/10/2004				<67							<0.050	<67	<67	<10												<67				<67	<67	<67	<67	NA
	11/6/2004				<10							<0.050	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/8/2005				<10							<10	<10	<10	<10												<10				<1	<1	<1	<1	NA
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	11/8/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/5/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/12/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
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	11/10/2001				<10							<10	<10	<10	<10												<10				<10	12	<10	4.1 J	NA
	10/17/2002				NA							NA	<10	<10	NA												NA				NA	5.1 J	NA	1.7 J	NA
	11/12/2003				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	3/26/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/3/2004				<10							<10	<10	<10	<10												<10				<10	10	<10	3.8 J	NA
	11/9/2005				<10							<10	<10	<10	<10												<10				<1	15	0.61 J	6.1	NA
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	11/14/2001				<10							<0.050	<10	<10	<10												<10				<10	<10	<10	<10	NA
	10/17/2002				NA							<0.050	<10	<10	<10												NA				NA	<10	NA	<10	NA
	11/20/2003				<10							<0.050	<10	<10	<10												<10				<10	<10	<10	<10	NA
	4/12/2004				<10							<0.050	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/6/2004				<10							<0.050	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/9/2005				<10							<10	<10	<10	<10												<10				<1.7	<1.7	<1.7	<1.7	NA
	11/3/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
UAW02-40 (DUP)	11/3/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/9/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/18/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
UAW02-40 dup	11/12/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/12/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
UAW03-20	5/7/2001				<10							<10	<10	7.7 J #	<10												<10				<10	19	<10	3.3 J	NA
	11/11/2001				<20							<20	<20	<20	<20												<20				<20	140	3.5 J	19 J	NA
	10/23/2002				NA							NA	<67	<67	NA												NA				NA	190	NA	27 J	NA
	11/12/2003				<100							<100	<100	<100	<100												<100				<100	190	<100	<100	NA
	3/28/2004				<100							<100	<100	<100	<100												<100				<100	360	<100	<100	NA
	11/4/2004				<67							<67	<67	<67	<67												<67				<67	220	5 J	36 J	NA
UAW03-20 (Dup)	11/4/2004				<40							<40	<40	<40	<40												<40				<40	160	4 J	26 J	NA
	11/9/2005				<10							<10	<10	<10	<10												<10				<4	150	3.5 J	20	NA
	11/6/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/13/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/4/2008	< 25	< 25	< 25	< 25	< 25	< 25	< 120 UJ	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 120	< 120	< 120	< 25	< 25	< 120	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	NA	NA	NA	NA	NA
	11/16/2009	< 50	< 50	< 50	< 50	< 50	< 50	< 250	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 250	< 250	< 250	< 50	< 50	< 250	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	NA	NA	NA	NA	NA
UAW04-20	5/7/2001				<40							<40	140	150 #	<40												<40				<40	<40	<40	<40	NA
	11/11/2001				<100							<100	47 J	57 J #	<100												<100				<100	<100	<100	<100	NA
	10/20/2002				NA							NA	<120	<120	NA												NA				NA	<120	NA	<120	NA
	11/12/2003				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	3/28/2004				<50							<50	79	<50	<50												<50				<50	<50	<50	<50	NA
	11/3/2004				<50							<50	15 J	28 J #	<50												<50				<50	3.8 J	<50	<50	NA
	11/9/2005				<10							<10	0.86 J	1.4 J,#	<10												<10				<10	<10	<10	<10	NA
	11/6/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	12	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
UAW04-20 (DUP)	11/6/2006	< 40	< 40	< 40	< 40	< 40	< 40	< 200	< 40	< 40	< 40	< 40	9.5 J	12 J	< 40	< 200	< 200	< 200	< 40	< 40	< 200	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	NA	NA	NA	NA	NA
	11/3/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 50 UJ	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/16/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA

Table B-2
Summary of Semi-volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Aniline	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Benzaldehyde	1,1'-Biphenyl	bis(2-Chloroethoxy)methane	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl) phthalate	4-Bromophenyl phenl ether	Butyl benzyl phthalate	Caprolactam	Carbazole	4-Chloroaniline	4-Chloro-3-methylphenol	2-Chloronaphthalene	2-Chlorophenol	4-Chlorophenyl phenyl ether	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	3,3'-Dichlorobenzidine	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate	Di-n-butyl phthalate	4,6-Dinitro-2-methylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
Groundwater																																						
UAW05-20	5/6/2001	NA	<100										<100	<100			<100		<100	<100	<100				<100						<100		<100	<100				
	10/10/2001	NA	<10										<10	<10			<10		<10	<10	<10				6.3 J						2.8 J		<10	<10				
	11/12/2001	NA	<100										<100	<100			<100		<100	<100	<100				<100						<100		<100	<100				
	10/20/2002	<200	NA										<200	NA			NA		NA	NA	NA				NA						NA		NA	NA				
	11/10/2003	<50	<50										<50	<50			<50		<50	<50	<50				<50						<50		<50	<50				
	3/28/2004	<25	<25										<25	<25			<25		<25	<25	<25				<25						<25		<25	<25				
UAW05-20 (Dup)	3/28/2004	<40	<40										<40	<40			<40		<40	<40	<40				<40						<40		<40	<40				
	11/4/2004	10 J	<25										1.7 J	<25			<25		<25	<25	<25				<25						<25		<25	<25				
	11/14/2005	10 J	<25										3.7 J	<25			<25		<25	<25	<25				<25						<25		<25	<25				
	11/9/2006	7.4 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	2.7 J	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/15/2007	28 J	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	5.5 J	< 25	< 25	< 25	< 25	< 25	< 25	2.8 J	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 120	< 25	< 25	< 25	< 25	< 25	< 120	< 120	< 25
	11/5/2008	29 J	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 500	< 100	< 100	< 100	< 100	< 100	< 500	< 500	< 100
	11/17/2009	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	7.2 J	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 500	< 100	< 100	< 100	< 100	< 100	< 500	< 500	< 100
UAW06-20	5/6/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	10/10/2001	NA	<25										<25	<25			<25		<25	<25	<25				<25						<25		<25	<25				
	11/13/2001	NA	6.4 J										<25	7.3 J			<25		<25	<25	<25				<25						<25		<25	<25				
	10/20/2002	37 J	NA										<50	NA			NA		NA	NA	NA				NA						NA		NA	NA				
	11/12/2003	<100	<100										<100	<100			<100		<100	<100	<100				<100						<100		<100	<100				
	3/29/2004	<20	<20										<20	<20			<20		<20	<20	<20				<20						<20		<20	<20				
	11/4/2004	<40	<40										<40	<40			<40		<40	5.5 J	<40				<40						<40		<40	<40				
	11/15/2005	3.0 J	1.7 J										<10	<10			2.4 U		<10	11	<10				<10						<10		<10	<10				
	11/9/2006	5.2 J	1.2 J	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	7.7 J	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 250	< 50	< 50	< 50	< 50	< 50	< 250	< 250	< 50
	11/15/2007	3.1 J	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	4 J	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 120	< 25	< 25	< 25	< 25	< 25	< 120	< 120	< 25
	11/4/2008	4.9 J	0.49 J	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 100	< 20	< 20	< 20	< 20	< 20	< 100	< 100	< 20
	11/17/2009	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 250	< 50	< 50	< 50	< 50	< 50	< 250	< 250	< 50
UAW07-20	5/8/2001	150	<100										NA	NA			<100		<100	NA	<100				<100						<100		<100	<100				
UAW07-20 (Dup)	5/8/2001	44	<25										NA	NA			<25		<25	NA	NA				<25						<25		<25	<25				
	11/15/2001	120	<40										NA	NA			<40		<40	NA	NA				<40						<40		<40	<40				
	10/20/2002	9.1 J	NA										<40	NA			NA		NA	NA	NA				NA						NA		NA	NA				
	11/12/2003	<50	<50										<50	62			<50		<50	<50	<50				<50						<50		<50	<50				
UAW07-20 (Dup)	11/12/2003	<40	<40										<40	56			<40		<40	<40	<40				<40						<40		<40	<40				
	4/5/2004	<100	<100										<100	<100			<100		<100	<100	<100				<100						<100		<100	<100				
	11/4/2004	19 J	<100										<100	60 J			<100		<100	<100	<100				<100						<100		<100	<100				
	11/15/2005	7.7 J	<10										1.3 J	15			1.6 U		<10	3.4 J	<10				<10						<10		<10	<10				
	11/6/2006	16 J	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 500	< 100	< 100	< 100	< 100	< 100	< 500	< 500	< 100
	11/15/2007	12 J	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	4.5 J	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 250	< 50	< 50	< 50	< 50	< 50	< 250	< 250	< 50
	11/4/2008	< 67	< 67	< 67	< 67	< 67	< 67	1.3 J	< 67	1.5 J	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	1.4 J	< 67	< 67	< 330	< 67	< 67	< 67	< 67	< 67	< 330	< 330	< 67
	11/16/2009	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 200	< 40	< 40	< 40	< 40	< 40	< 200	< 200	< 40
UAW08-20	5/6/2001	12000	<1700										NA	NA			<1700		<1700	NA	NA				<1700						<1700		<1700	<1700				
	11/13/2001	12000	<1300										NA	NA			<1300		<1300	NA	NA				<1300						<1300		<1300	<1300				
	10/20/2002	4400	NA										<1000	NA			NA		NA	NA	NA				NA						NA		NA	NA				
	11/10/2003	8300	<2500										<2500	<2500			<2500		<2500	<2500	<2500				<2500						<2500		<2500	<2500				
	3/29/2004	5900	<4000										<4000	<4000			<4000		<4000	<4000	<4000				<4000						<4000		<4000	<4000				
	11/4/2004	5900	<2000										<2000	<2000			<2000		<2000	<2000	<2000				<2000						<2000		<2000	<2000				
	11/15/2005	3000	<1000										<1000	<1000			<1000		<1000	<1000	<1000				<1000						<1000		<1000	<1000				
	11/9/2006	1700	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 800	< 4000	< 800	< 800	< 800	< 800	< 800	< 4000	< 4000	< 800
	11/7/2007	5700	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 10000	< 2000	< 2000	< 2000	< 2000	< 2000	< 10000	< 10000	< 2000
	11/4/2008	4100	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 5000	< 1000	< 1000	< 1000	< 1000	< 1000	< 5000	< 5000	< 1000
UAW08-20(DUP)	11/4/2008	3700	< 1000	<1000	<1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 5000	< 1000	< 1000	< 1000	< 1000	< 1000	< 5000	< 5000	< 1000
	11/16/2009	1900	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 2500	< 500	< 500	< 500	< 500	< 500	< 2500	< 2500	< 500

Table B-2
Summary of Semi-volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	2,6-Dinitrotoluene	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(123-cd)pyrene	Isophorone	2-Methylnaphthalene	2-Methylphenol	4-Methylphenol	Naphthalene	2-Nitroaniline	3-Nitroaniline	4-Nitroaniline	Nitrobenzene	2-Nitrophenol	4-Nitrophenol	N-Nitrosodi-n-propyl-amine	N-Nitrosodiphenylamine	2,2'-oxybis(1-Chloropropane	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane
Groundwater																																			
UAW05-20	5/6/2001				<100							<100	<100	<100	<100												<100				<100	880	<100	120	NA
	10/10/2001				<10							<10	<10	<10	<10												<10				2.4 J	NA	20	NA	NA
	11/12/2001				<100							<100	<100	<100	<100												<100				<100	590	16 J	82 J	NA
	10/20/2002				NA							NA	<200	<200	NA												NA				NA	540	NA	82 J	NA
	11/10/2003				<50							<50	<50	<50	<50												<50				<50	200	<50	63	NA
	3/28/2004				<25							<25	<25	<25	<25												<25				<25	91	<25	44	NA
UAW05-20 (Dup)	3/28/2004				<40							<40	<40	<40	<40												<40				<40	95	<40	47	NA
	11/4/2004				<25							<25	<25	<25	<25												<25				<25	90	7.3 J	52	NA
	11/14/2005				<25							<25	<25	<25	<25												1.9 J				<20	100	9.4 J	71	NA
	11/9/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	2.1 J	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/15/2007	< 25	< 25	< 25	< 25	< 25	< 25	< 120	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 120	< 120	< 120	< 25	< 25	< 120	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	NA	NA	NA	NA	NA
	11/5/2008	< 100	< 100	< 100	< 100	< 100	< 100	< 500	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 500	< 500	< 500	< 100	< 100	< 500	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	NA	NA	NA	NA	NA
	11/17/2009	< 100	< 100	< 100	< 100	< 100	< 100	< 500	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 500	< 500	< 500	< 100	< 100	< 500	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	NA	NA	NA	NA	NA
UAW06-20	5/6/2001				<10							<10	<10	<10	<10												<10				<10	14	<10	<10	NA
	10/10/2001				<25							<25	<25	<25	<25												<25				<25	16 J	<25	<25	NA
	11/13/2001				5.9 J							<25	<25	5.4 J #	<25												<25				<25	25	<25	4 J	NA
	10/20/2002				NA							NA	<50	<50	NA												NA				NA	18 J	NA	<50	NA
	11/12/2003				<100							<100	<100	<100	<100												<100				<100	<100	<100	<100	NA
	3/29/2004				<20							<20	<20	<20	<20												<20				<20	41	<20	<20	NA
	11/4/2004				<40							<40	<40	<40	<40												<40				<40	52	<40	5.1 J	NA
	11/15/2005				0.87 J							<10	<10	<10	<10												<10				<3.3	100	1.7 J	10	NA
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	11/15/2007	< 25	< 25	< 25	1.3 J	< 25	< 25	< 120	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 120	< 120	< 120	< 25	< 25	< 120	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	NA	NA	NA	NA	NA
	11/4/2008	< 20	< 20	< 20	0.79 J	< 20	< 20	< 100 UJ	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 100	< 100	< 100	< 20	< 20	< 100	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NA	NA	NA	NA	NA
	11/17/2009	< 50	< 50	< 50	< 50	< 50	< 50	< 250	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 250	< 250	< 250	< 50	< 50	< 250	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	NA	NA	NA	NA	NA
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	11/15/2005				<10							<10	<10	<10	<10												<10				<8.3	180	1.7 J	17	NA
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	11/4/2008	< 67	< 67	1.7 J	< 67	< 67	< 67	< 330 UJ	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 330	< 330	< 330	< 67	< 67	< 330	< 67	< 67	< 67	< 67	< 67	< 67	1.9 J	< 67	< 67	NA	NA	NA	NA	NA
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	11/15/2005				<1000							<1000	<1000	140 J,#	<1000												92 J				<25	380	7.6 J	41	NA
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	11/7/2007	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 10000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 10000	< 10000	< 10000	< 2000	< 2000	< 10000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	< 2000	NA	NA	NA	NA	NA
	11/4/2008	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 5000 UJ	< 1000	< 1000	< 1000	< 1000	< 1000	84 J	< 1000	< 5000	< 5000	< 5000	< 1000	< 1000	< 5000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	NA	NA	NA	NA	NA
UAW08-20(DUP)	11/4/2008	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 5000 UJ	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 5000	< 5000	< 5000	< 1000	< 1000	< 5000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	NA	NA	NA	NA	NA
	11/16/2009	< 500	< 500	< 500	< 500	< 500	< 500	< 2500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 2500	< 2500	< 2500	< 500	< 500	< 2500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	< 500	NA	NA	NA	NA	NA

Table B-2
Summary of Semi-volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Aniline	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Benzaldehyde	1,1'-Biphenyl	bis(2-Chloroethoxy)methane	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl) phthalate	4-Bromophenyl phenl ether	Butyl benzyl phthalate	Caprolactam	Carbazole	4-Chloroaniline	4-Chloro-3-methylphenol	2-Chloronaphthalene	2-Chlorophenol	4-Chlorophenyl phenyl ether	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	3,3'-Dichlorobenzidine	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate	Di-n-butyl phthalate	4,6-Dinitro-2-methylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
Groundwater																																						
UAW09-20	5/5/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/14/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	10/16/2002	<10	NA										<10	NA			NA		NA	NA	NA				NA						NA		NA	NA				
	11/11/2003	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	4/6/2004	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/6/2004	<10	<10										<10	<10			0.4 J		<10	<10	<10				<10						<10		<10	<10				
	11/15/2005	<10	<10										<10	<10			0.77 U		<10	<10	<10				<10						<10		<10	<10				
UAW09-20(DUP)	11/15/2005	<10	<10										<10	<10			0.57 J		<10	<10	<10				<10						<10		<10	<10				
	11/3/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	1.6 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/15/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
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	11/18/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
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	11/12/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
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	11/20/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
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	11/12/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/20/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
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	11/10/2001	NA	<25										<25	<25			<25		<25	<25	<25				<25						<25		<25	<25				
	10/18/2002	97 E	NA										<10	NA			NA		NA	NA	NA				NA						NA		NA	NA				
	11/16/2003	44	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	4/6/2004	<40	<40										<40	<40			<40		<40	<40	<40				<40						<40		<40	<40				
	11/7/2004	16	<10										<10	<10			29 B		<10	<10	<10				<10						<10		<10	<10				
	11/10/2005	28 J	<100										<100	<100			<100		<100	19 J	<100				<100						<100		<100	<100				
	11/2/2006	200	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	16 J	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 330	< 67	< 67	< 67	< 67	< 67	< 330	< 330	< 67
	11/16/2007	3.7 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/10/2008	58	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/18/2009	13	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	1.4 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10

Table B-2
Summary of Semi-volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	2,6-Dinitrotoluene	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(123-cd)pyrene	Isophorone	2-Methylnaphthalene	2-Methylphenol	4-Methylphenol	Naphthalene	2-Nitroaniline	3-Nitroaniline	4-Nitroaniline	Nitrobenzene	2-Nitrophenol	4-Nitrophenol	N-Nitrosodi-n-propyl-amine	N-Nitrosodiphenylamine	2,2'-oxybis(1-Chloropropane	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane
Groundwater																																			
UAW09-20	5/5/2001				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/14/2001				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	10/16/2002				NA							NA	<10	<10	NA												NA				NA	<10	NA	<10	NA
	11/11/2003				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	4/6/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/6/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/15/2005				<10							<10	<10	<10	<10												<10				<1	<1	<1	<1	NA
UAW09-20(DUP)	11/15/2005				<10							<10	<10	<10	<10												<10				<1	<1	<1	<1	NA
	11/3/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
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Table B-2
Summary of Semi-volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Aniline	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Benzaldehyde	1,1'-Biphenyl	bis(2-Chloroethoxy)methane	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl) phthalate	4-Bromophenyl phenl ether	Butyl benzyl phthalate	Caprolactam	Carbazole	4-Chloroaniline	4-Chloro-3-methylphenol	2-Chloronaphthalene	2-Chlorophenol	4-Chlorophenyl phenyl ether	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	3,3'-Dichlorobenzidine	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate	Di-n-butyl phthalate	4,6-Dinitro-2-methylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
Groundwater																																						
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	11/19/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/14/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/11/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10

Table B-2
Summary of Semi-volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	2,6-Dinitrotoluene	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(123-cd)pyrene	Isophorone	2-Methylnaphthalene	2-Methylphenol	4-Methylphenol	Naphthalene	2-Nitroaniline	3-Nitroaniline	4-Nitroaniline	Nitrobenzene	2-Nitrophenol	4-Nitrophenol	N-Nitrosodi-n-propyl-amine	N-Nitrosodiphenylamine	2,2'-oxybis(1-Chloropropane	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane
Groundwater																																			
UAW11-40	5/18/2001				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/14/2001				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	10/18/2002				NA							<10	<10	<10	<10												NA				NA	<10	NA	<10	NA
	11/30/2003				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	4/6/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
UAW11-40 (Dup)	4/6/2004				<10							NA	<10	<10	NA												<10				<10	<10	<10	<10	NA
	11/16/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/10/2005				<10							<10	<10	<10	<10												<10				<1	0.52 J	<1	<1	NA
	11/2/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/16/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/10/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/18/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
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	11/12/2003				<500							<500	<500	<500	<500												<500				<500	1600	<500	<500	NA
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	11/4/2004				<400							<400	<400	<400	<400												<400				<400	1100	35 J	180 J	NA
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	11/6/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	3.5 J	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/16/2007	< 67	< 67	< 67	< 67	< 67	< 67	< 330	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 330	< 330	< 330	< 67	< 67	< 330	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	< 67	NA	NA	NA	NA	NA
	11/6/2008	< 50	< 50	< 50	< 50	< 50	< 50	< 250	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 250	< 250	< 250	< 50	< 50	< 250	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	NA	NA	NA	NA	NA
	11/19/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
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	11/15/2001				<200							<200	<200	<200	<200												<200				<200	49 J	<200	<200	<200
	10/23/2002				NA							NA	<250	<250	NA												NA				NA	55 J	NA	<250	NA
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	3/28/2004				<250							<250	<250	<250	<250												<250				<250	<250	<250	<250	NA
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	11/16/2007	< 25	< 25	< 25	< 25	< 25	< 25	< 120	< 25	< 25	< 25	5.4 J	< 25	< 25	2.5 J	< 120	< 120	< 120	< 25	< 25	< 120	< 25	< 25	< 25	3.3 J	< 25	< 25	< 25	< 25	< 25	NA	NA	NA	NA	NA
	11/6/2008	< 250	< 250	< 250	< 250	< 250	< 250	< 1200	< 250	< 250	< 250	18 J	< 250	< 250	< 250	< 1200	< 1200	< 1200	< 250	< 250	< 1200	< 250	< 250	< 250	< 250	< 250	48 J	< 250	< 250	< 250	NA	NA	NA	NA	NA
	11/19/2009	< 100	< 100	< 100	< 100	< 100	< 100	< 500	< 100	< 100	< 100	4.3 J	< 100	< 100	< 100	< 500	< 500	< 500	< 100	< 100	< 500	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	NA	NA	NA	NA	NA
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	11/9/2001				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	10/16/2002				NA							NA	<10	<10	NA												NA				NA	<10	NA	<10	NA
	11/16/2003				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	4/5/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/6/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/16/2005				<10							<10	<10	<10	<10												<10				<1	<1	<1	<1	NA
	11/8/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/7/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/13/2008	< 10	< 10	0.55 J	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	0.26 J	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/24/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
UAW15-20	5/6/2001				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
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	10/18/2002				NA							NA	<10	<10	NA												NA				NA	<10	NA	<10	NA
	11/17/2003				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	4/7/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/7/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/15/2005				<10							<10	<10	<10	<10												<10				<5	<5	<5	<5	NA
	11/2/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/19/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/14/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/11/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA

Table B-2
Summary of Semi-volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Aniline	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Benzaldehyde	1,1'-Biphenyl	bis(2-Chloroethoxy)methane	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl) phthalate	4-Bromophenyl phenl ether	Butyl benzyl phthalate	Caprolactam	Carbazole	4-Chloroaniline	4-Chloro-3-methylphenol	2-Chloronaphthalene	2-Chlorophenol	4-Chlorophenyl phenyl ether	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	3,3'-Dichlorobenzidine	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate	Di-n-butyl phthalate	4,6-Dinitro-2-methylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
Groundwater																																						
UAW15-50	5/6/2001	NA	<200										<200	<200			<200		<200	<200	<200				<200						<200		<200	<200				
	11/19/2001	NA	<500										<500	<500			<500		<500	<500	<500				<500						<500		<500	<500				
	10/18/2002	<500	NA										<500	NA			NA		NA	NA	NA				NA						NA		NA	NA				
	12/4/2003	<200	<200										<200	<200			<200		<200	<200	<200				<200						<200		<200	<200				
	4/7/2004	<100	<100										<100	<100			<100		<100	<100	<100				<100						<100		<100	<100				
	11/7/2004	<100	<100										<100	<100			<100		<100	<100	<100				<100						<100		<100	<100				
UAW15-50 (Dup)	11/7/2004	<100	<100										<100	<100			<100		<100	<100	<100				<100						<100		<100	<100				
	11/15/2005	<200	<200										<200	<200			<200		<200	27 J	<200				<200						<200		<200	<200				
	11/2/2006	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 500	< 100	< 100	< 100	< 100	< 100	< 500	< 500	< 100
	11/19/2007	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 200	< 40	< 40	< 40	< 40	< 40	< 200	< 200	< 40
	11/14/2008	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 200	< 40	< 40	< 40	< 40	< 40	< 200	< 200	< 40
	11/11/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	1.5 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
UAW16-10	10/12/2001	NA	<10										<10	<10			<10		<10	19	<10				<10						<10		<10	<10				
UAW16-10 (Dup)	10/12/2001	NA	<10										<10	<10			<10		<10	17	<10				<10						<10		<10	<10				
	11/13/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	10/18/2002	9.5 J	NA										<10	NA			NA		NA	NA	NA				NA						NA		NA	NA				
	11/17/2003	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
UAW16-10 (Dup)	11/17/2003	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	4/7/2004	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/7/2004	<40	<40										<40	<40			<40		<40	<40	<40				<40						<40		<40	<40				
	11/15/2005	4.1 J	<10										<10	<10			0.7 U		<10	1.1 J	<10				<10						<10		<10	<10				
	11/6/2006	1.9 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/19/2007	6.6 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/18/2008	2.6 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/20/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
UAW17-40	5/5/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/9/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	10/16/2002	<10	<10										<10	NA			NA		NA	NA	NA				<10						NA		NA	NA				
	11/16/2003	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	3/31/2004	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/6/2004	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/14/2005	<10	<10										<10	<10			1.2 U		<10	<10	<10				<10						<10		<10	<10				
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	11/19/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/7/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/13/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
UAW18-20	10/12/2001	NA	<10										<10	<10			<10		<10	6 J	<10				<10						<10		<10	<10				
	11/13/2001	NA	<10										<10	<10			<10		2.7 J	14	<10				<10						<10		<10	<10				
	10/18/2002	32	NA										<10	NA			NA		NA	NA	NA				NA						NA		NA	NA				
	11/16/2003	16	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	4/7/2004	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/7/2004	25	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/15/2005	2 J	<10										<10	<10			1.5 U		<10	1.4 J	<10				<10						<10		<10	<10				
	11/6/2006	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 200	< 40	< 40	< 40	< 40	< 40	< 200	< 200	< 40
	11/16/2007	39	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	1.8 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/18/2008	6.9 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	1.1 J	< 10	< 10	11	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/24/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	2.8 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10

Table B-2
Summary of Semi-volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	2,6-Dinitrotoluene	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(123-cd)pyrene	Isophorone	2-Methylnaphthalene	2-Methylphenol	4-Methylphenol	Naphthalene	2-Nitroaniline	3-Nitroaniline	4-Nitroaniline	Nitrobenzene	2-Nitrophenol	4-Nitrophenol	N-Nitrosodi-n-propyl-amine	N-Nitrosodiphenylamine	2,2'-oxybis(1-Chloropropane	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane
Groundwater																																			
UAW15-50	5/6/2001				<200							<200	<200	<200	<200												<200				<200	<200	<200	<200	NA
	11/19/2001				<500							<500	<500	110 J #	<500												<500				<500	<500	<500	<500	NA
	10/18/2002				NA							<500	<500	<500	<500												NA				NA	<500	NA	<500	NA
	12/4/2003				<200							<200	<200	<200	<200												<200				<200	<200	<200	<200	NA
	4/7/2004				<100							<100	<100	<100	<100												<100				<100	<100	<100	<100	NA
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	11/11/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
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	11/13/2001				<10							<10	<10	<10	<10												<10				<10	7.5 J	<10	10	NA
	10/18/2002				NA							NA	<10	<10	NA												NA				NA	7 J	NA	8.3 J	NA
	11/17/2003				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
UAW16-10 (Dup)	11/17/2003				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	4/7/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/7/2004				<40							<40	<40	<40	<40												<40				<40	7.5 J	<40	6.5 J	NA
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	11/19/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
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	11/20/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
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	10/16/2002				NA							<10	<10	<10	<10												<10				<10	<10	NA	<10	NA
	11/16/2003				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	3/31/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/6/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/14/2005				<10							<10	<10	<10	<10												<10				<1	<1	<1	<1	NA
	10/31/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/19/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/7/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/13/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
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	11/13/2001				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	10/18/2002				NA							NA	<10	<10	NA												NA				NA	3 J	NA	1.8 J	NA
	11/16/2003				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	4/7/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/7/2004				<10							<10	<10	<10	<10												<10				<10	2.3 J	<10	1.3 J	NA
	11/15/2005				<10							<10	<10	<10	<10												<10				<1	0.39 J	<1	0.24 J	NA
	11/6/2006	< 40	< 40	< 40	< 40	< 40	< 40	< 200	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 200	< 200	< 200	< 40	< 40	< 200	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	< 40	NA	NA	NA	NA	NA
	11/16/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/18/2008	< 10	< 10	0.24 J	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/24/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA

Table B-2
Summary of Semi-volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Aniline	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Benzaldehyde	1,1'-Biphenyl	bis(2-Chloroethoxy)methane	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl) phthalate	4-Bromophenyl phenl ether	Butyl benzyl phthalate	Caprolactam	Carbazole	4-Chloroaniline	4-Chloro-3-methylphenol	2-Chloronaphthalene	2-Chlorophenol	4-Chlorophenyl phenyl ether	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	3,3'-Dichlorobenzidine	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate	Di-n-butyl phthalate	4,6-Dinitro-2-methylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
Groundwater																																						
UAW19-80	5/11/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
UAW19-80	11/14/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
UAW19-80 (Dup)	11/14/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	10/17/2002	<10	NA										<10	NA			NA		NA	NA	NA				NA						NA		NA	NA				
UAW19-80 (Dup)	10/17/2002	<10	NA										<10	NA			NA		NA	NA	NA				NA						NA		NA	NA				
	11/13/2003	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	3/30/2004	<10	<10										<10	<10			14		<10	<10	<10				<10						<10		<10	<10				
	11/5/2004	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
UAW19-80N	11/11/2005	<10	<10										<10	<10			1.2 U		<10	61 J	<10				<10						<10		<10	<10				
UAW19-80N(DUP)	11/11/2005	<20	<20										<20	<20			1.1 J B		<20	63	<20				<20						<20		<20	<20				
UAW19-80FD(DUP)	11/11/2005	<10	<10										<10	<10			1.4 U		1.6 J	47	<10				<10						<10		<10	<10				
	11/8/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/14/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/11/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/23/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
UAW20-60	5/7/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/14/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
UAW20-60 (Dup)	11/14/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	10/19/2002	<10	NA										<10	NA			NA		NA	NA	NA				NA						NA		NA	NA				
UAW20-60 (Dup)	10/19/2002	<10	NA										<10	NA			NA		NA	NA	NA				NA						NA		NA	NA				
	11/13/2003	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	3/30/2004	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/5/2004	<10	<10										<10	<10			1.2 J		<10	<10	<10				<10						<10		<10	<10				
	11/11/2005	<10	<10										<10	<10			0.58 U		<10	35	<10				<10						<10		<10	<10				
	11/7/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/15/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
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UAW21-30	5/5/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/11/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	10/18/2002	<10	NA										<10	NA			NA		NA	NA	NA				NA						NA		NA	NA				
	11/11/2003	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	3/27/2004	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/3/2004	<10	<10										<10	<10			1.2 J		<10	<10	<10				<10						<10		<10	<10				
	11/9/2005	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
UAW21-30(DUP)	11/9/2005	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/9/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	1.2 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	0.62 J	< 50	< 50	< 10
	11/6/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
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	11/11/2001	NA	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	10/18/2002	<10	NA										<10	NA			NA		NA	NA	NA				NA						NA		NA	NA				
	11/11/2003	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	3/27/2004	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/3/2004	<10	<10										<10	<10			<10		<10	<10	<10				<10						<10		<10	<10				
	11/8/2005	<10	<10										<10	<10			1.0 J B		<10	<10	<10				<10						<10		<10	<10				
	11/8/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
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	11/5/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/13/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10

Table B-2
Summary of Semi-volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	2,6-Dinitrotoluene	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(123-cd)pyrene	Isophorone	2-Methylnaphthalene	2-Methylphenol	4-Methylphenol	Naphthalene	2-Nitroaniline	3-Nitroaniline	4-Nitroaniline	Nitrobenzene	2-Nitrophenol	4-Nitrophenol	N-Nitrosodi-n-propyl-amine	N-Nitrosodiphenylamine	2,2'-oxybis(1-Chloropropane	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane
Groundwater																																			
UAW19-80	5/11/2001				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
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	11/11/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/23/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
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	11/13/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
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	11/3/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
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Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Aniline	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Benzaldehyde	1,1'-Biphenyl	bis(2-Chloroethoxy)methane	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl) phthalate	4-Bromophenyl phenl ether	Butyl benzyl phthalate	Caprolactam	Carbazole	4-Chloroaniline	4-Chloro-3-methylphenol	2-Chloronaphthalene	2-Chlorophenol	4-Chlorophenyl phenyl ether	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	3,3'-Dichlorobenzidine	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate	Di-n-butyl phthalate	4,6-Dinitro-2-methylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
Groundwater																																						
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	10/19/2002	<10	<10										<10	NA			NA		NA	NA	NA				<10						NA		NA	NA				
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	11/24/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
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	11/11/2005	<10	<10										<10	<10			0.59 U		<10	1.7 J	<10				<10						<10		<10	<10				
	11/1/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	1.1 J B	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/13/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/13/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
	11/11/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10

Table B-2
Summary of Semi-volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	2,6-Dinitrotoluene	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(123-cd)pyrene	Isophorone	2-Methylnaphthalene	2-Methylphenol	4-Methylphenol	Naphthalene	2-Nitroaniline	3-Nitroaniline	4-Nitroaniline	Nitrobenzene	2-Nitrophenol	4-Nitrophenol	N-Nitrosodi-n-propyl-amine	N-Nitrosodiphenylamine	2,2'-oxybis(1-Chloropropane	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane
Groundwater																																			
UAW22-20	10/13/2001				<10							<10	<10	<10	<10												<10				<10	70	1.6 J	9.7 J	NA
	11/13/2001				<10							<10	<10	<10	<10												<10				<10	78	1.7 J	9.9 J	NA
	10/20/2002				NA							NA	<50	<50	NA												NA				NA	60	NA	10 J	NA
	11/10/2003				<20							<20	<20	<20	<20												<20				<20	44	<20	<20	NA
	3/29/2004				<10							<10	<10	<10	<10												<10				<10	31	<10	<10	NA
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	11/14/2005				<40							<40	<40	<40	<40												<40				<2	74	1.4 J	8.7	NA
	11/9/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/16/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	1.2 J	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/13/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
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	11/11/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
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	10/19/2002				NA							NA	<10	<10	NA												<10				<10	<10	NA	<10	NA
	11/13/2003				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
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	11/24/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
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	11/7/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	1.7 J	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/13/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	1.1 J	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
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	10/18/2002				NA							NA	<10	<10	NA												NA				NA	5.6 J	NA	1.7 J	NA
	11/12/2003				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	3/27/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
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	11/8/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/8/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/3/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 50 UJ	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/12/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
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	11/10/2005				<10							<10	<10	<10	<10												<10				<1	<1	<1	<1	NA
	11/7/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/14/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/6/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/19/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
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	11/5/2004				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	NA
	11/11/2005				<10							<10	<10	<10	<10												<10				<1	<1	<1	<1	NA
	11/1/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/13/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/13/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
	11/11/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA

Table B-2
Summary of Semi-volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	Aniline	Acenaphthene	Acenaphthylene	Acetophenone	Anthracene	Atrazine	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(ghi)perylene	Benzo(k)fluoranthene	Benzaldehyde	1,1'-Biphenyl	bis(2-Chloroethoxy)methane	bis(2-Chloroethyl)ether	bis(2-Ethylhexyl) phthalate	4-Bromophenyl phenl ether	Butyl benzyl phthalate	Caprolactam	Carbazole	4-Chloroaniline	4-Chloro-3-methylphenol	2-Chloronaphthalene	2-Chlorophenol	4-Chlorophenyl phenyl ether	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	3,3'-Dichlorobenzidine	2,4-Dichlorophenol	Diethyl phthalate	2,4-Dimethylphenol	Dimethyl phthalate	Di-n-butyl phthalate	4,6-Dinitro-2-methylphenol	2,4-Dinitrophenol	2,4-Dinitrotoluene
Groundwater																																						
LAW05-150	3/16/2002	<10	<10										NA	NA			<10		<10	NA	NA				<10						<10		<10	<10				
LAW05-150 (Dup)	3/16/2002	<10	<10										NA	NA			<10		<10	NA	NA				<10						<10		<10	<10				
	11/17/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
LAW05-60	3/16/2002	<10	<10										NA	NA			<10		<10	NA	NA				<10						<10		<10	<10				
	11/17/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
LAW12-60	10/13/2001	<10	<10										NA	NA			<10		<10	NA	NA				<10						<10		1.6 J B	<10				
	11/16/2001	<10	<10										NA	NA			<10		<10	NA	NA				<10						<10		<10	<10				
	11/19/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
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20061106CINEB-1	11/6/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	1.6 J	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
20061106CINFB-1	11/6/2006	< 10	< 10	< 10	0.72 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	1.6 J B	< 10	< 10	< 10	< 10	< 10	1.9 J	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
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20071115CINEB-2	11/15/2007	< 10	< 10	< 10	1.6 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	0.64 J	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	1.4 J	< 50	< 50	< 10
20071115CINFB-2	11/15/2007	< 10	< 10	< 10	1.5 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	0.81 J	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	0.95 J	< 50	< 50	< 10
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20081118CINEB-1	11/18/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10
20091117CINEB-1	11/17/2009	< 10	< 10	< 10	0.47 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10	< 10	< 10	5.1 J	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	1.1 J	< 50	< 50	< 10
20091120CINFB-1	11/20/2009	< 10	< 10	< 10	0.6 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10	< 10	< 10	4.1 J	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	0.91 J	< 50	< 50	< 10
20091123CINEB-1	11/23/2009	< 10	< 10	< 10	1.3 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	10 U	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10

Notes:
B = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J = Estimated result; result is less than reporting limit.
# = Co-Elution of 3-Methylphenol and 4-Methylphenol.
NA indicates chemical was not on the target analyte list for that sample.
<10 = Indicates constituent not detected at or above indicated detection limit.
This table only includes target analytes detected in one or more Facility Investigation samples.

Table B-2
Summary of Semi-volatile Organic Detections in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	2,6-Dinitrotoluene	Di-n-octyl phthalate	Fluoranthene	Fluorene	Hexachlorobenzene	Hexachlorobutadiene	Hexachlorocyclopentadiene	Hexachloroethane	Indeno(123-cd)pyrene	Isophorone	2-Methylnaphthalene	2-Methylphenol	4-Methylphenol	Naphthalene	2-Nitroaniline	3-Nitroaniline	4-Nitroaniline	Nitrobenzene	2-Nitrophenol	4-Nitrophenol	N-Nitrosodi-n-propyl-amine	N-Nitrosodiphenylamine	2,2'-oxybis(1-Chloropropane	Pentachlorophenol	Phenanthrene	Phenol	Pyrene	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	1,2,4-Trichlorobenzene	1,2-Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	1,4-Dioxane
Groundwater																																			
LAW05-150	3/16/2002				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	<10
LAW05-150 (Dup)	3/16/2002				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	<10
	11/17/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
LAW05-60	3/16/2002				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	<10
	11/17/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
LAW12-60	10/13/2001				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	1.6 J
	11/16/2001				<10							<10	<10	<10	<10												<10				<10	<10	<10	<10	1.5 J
	11/19/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
20061102CINEB-1	11/2/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
20061106CINEB-1	11/6/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
20061106CINFB-1	11/6/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
20061108CINFB-1	11/8/2006	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
20071107CINEB-1	11/7/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
20071107CINFB-1	11/7/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
20071115CINEB-2	11/15/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
20071115CINFB-2	11/15/2007	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	1 J	< 10	< 10	< 10	NA	NA	NA	NA	NA
20081104CINEB-1	11/4/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 50 UJ	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
20081113CINFB-1	11/13/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
20081114CINEB-1	11/14/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
20081118CINEB-1	11/18/2008	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
20091117CINEB-1	11/17/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
20091120CINFB-1	11/20/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA
20091123CINEB-1	11/23/2009	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 50	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA

Notes:
B = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
J = Estimated result; result is less than reporting limit.
# = Co-Elution of 3-Methylphenol and 4-Methylphenol.
NA indicates chemical was not on the target analyte list for that sample.
<10 = Indicates constituent not detected at or above indicated detection limit.
This table only includes target analytes detected in one or more Facility Investigation samples.

Table B-3
Summary of Pesticide and Polychlorinated Biphenyl Detections
in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Isodrin	Methoxychlor	Toxaphene	Aroclor 1242
Groundwater	**(units: ug/L)**																							
MW-EPA-1	5/8/2001	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.11 J	<0.25	0.13 J	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NA	<0.5	<10	<1
	11/15/2001	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	NA	<5	<100	<1
	10/20/2002	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NA	<0.25	<0.25	<0.25	NA	NA	<0.25	<0.25	<0.5	NA	NA	NA
	11/12/2003	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<1	<20	<1
	3/28/2004	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<2	<40	<10
	11/4/2004	0.035 J	0.052 PG	<0.05	0.076 PG	<0.05	<0.05	0.077 PG	0.031 J	0.07 PG	<0.05	0.27 PG	<0.05	0.021 J	0.057	0.032 J	0.04 J	<0.05	<0.05	0.061 PG	NA	<0.1	<2	<1
MW-EPA-2	5/8/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/14/2001	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.2	<4	<1
	10/20/2002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	<1	NA	NA	<1	<1	<2	NA	NA	NA
	11/11/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	3/29/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	NA	<0.1	<2	<1
	11/4/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.032 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
MW-EPA-3	5/6/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/13/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/17/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/13/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	3/30/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/4/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.019 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
MW-EPA-4	5/8/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/13/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/18/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/16/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	4/6/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/6/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
Recovery Well	7/29/2001	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1	NA	<0.1	<0.1	<0.2	<0.2	<4	<200
UAW01-30	5/4/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.03 J	<0.05	NA	<0.1	<2	<1
	11/8/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/17/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/11/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	3/24/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/3/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.033 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.0092 J	<0.05	NA	<0.1	<2	<1
UAW01-80	5/13/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/15/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/17/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/19/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	4/10/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/6/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1

Table B-3
Summary of Pesticide and Polychlorinated Biphenyl Detections
in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Isodrin	Methoxychlor	Toxaphene	Aroclor 1242
Groundwater	**(units: ug/L)**																							
UAW02-20	5/7/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
UAW02-20 (Dup)	5/7/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/10/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/17/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/12/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	3/26/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/3/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
UAW02-40	5/13/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/10/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/17/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/12/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	3/26/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/3/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
UAW03-20	5/7/2001	0.074 PG	<0.05	<0.05	<0.05	<0.05	0.053 PG	<0.05	<0.05	0.062 PG	<0.05	<0.05	<0.05	<0.05	<0.05	0.14 PG	<0.05	<0.05	<0.05	0.041 J	NA	<0.1	<2	<2
	11/11/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.03 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/23/2002	0.025 J	<0.05	<0.05	<0.05	<0.05	<0.05	0.02 J	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/12/2003	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<1	<20	<1
	3/28/2004	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<1	<20	<1
	11/4/2004	0.057	<0.05	<0.05	<0.05	<0.05	<0.05	0.055 PG	<0.05	0.24 PG	<0.05	<0.05	<0.05	0.04 J	0.042 J	<0.05	<0.05	0.034 J	0.11 PG	<0.05	NA	<0.1	<2	<1
UAW03-20 (Dup)	11/4/2004	0.02 J	<0.05	<0.05	<0.05	<0.05	<0.05	0.22 PG	<0.05	0.26 PG	<0.05	<0.05	<0.05	0.039 J	<0.05	<0.05	<0.05	0.17 PG	0.22 PG	<0.05	NA	0.082 J	<2	<1
UAW04-20	5/7/2001	<0.05	<0.05	<0.05	<0.05	<0.05	0.039 J	0.041 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/11/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/20/2002	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	<1	<1	NA	NA	<1	<1	<2	NA	NA	NA
	11/12/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	3/28/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/3/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.089	<0.05	<0.05	<0.05	<0.05	<0.05	0.15 PG	0.16 PG	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
UAW05-20	5/6/2001	0.03 J	<0.05	<0.05	<0.05	0.029 J	<0.05	<0.05	<0.05	<0.05	0.021 J	0.028 J	<0.05	<0.05	0.097 PG	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/10/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.022 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.028 J	NA	<0.1	<2	<1
	11/11/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	0.92 J
	10/20/2002	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NA	<0.25	<0.25	<0.25	NA	NA	<0.25	<0.25	<0.5	NA	NA	NA
	11/10/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	3/28/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
UAW05-20 (Dup)	3/28/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/4/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.045 J	<0.05	<0.05	<0.05	0.027 J	<0.05	0.014 J	0.075	<0.05	0.02 J	<0.05	0.013 J	0.37 PG	NA	0.029 J	<2	<1
UAW06-20	5/6/2001	<0.05	0.024 J	0.022 J	<0.05	<0.05	<0.05	0.16 PG	0.023 J	0.033 J	<0.05	0.039 J	<0.05	<0.05	<0.05	0.045 J	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/10/2001	<0.05	<0.05	<0.05	<0.05	<0.05	0.026 J	0.12	<0.05	0.022 J	<0.05	0.034 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.054 PG	<0.05	NA	<0.1	<2	<1
	11/13/2001	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	NA	<50	<1000	<1
	10/20/2002	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NA	<0.25	<0.25	<0.25	NA	NA	<0.25	<0.25	<0.5	NA	NA	NA
	11/12/2003	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<2	<40	<1
	3/29/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/4/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.042 J	<0.05	<0.05	<0.05	0.021 J	<0.05	<0.05	<0.05	<0.05	0.019 J	<0.05	0.1 PG	<0.05	NA	<0.1	<2	<1

Table B-3
Summary of Pesticide and Polychlorinated Biphenyl Detections
in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Isodrin	Methoxychlor	Toxaphene	Aroclor 1242
Groundwater	**(units: ug/L)**																							
UAW07-20	5/8/2001	<0.25	<0.25	<0.25	<0.25	<0.25	NA	<0.25	<0.25	<0.25	0.19 J	0.13 J	<0.25	<0.25	<0.25	NA	<0.25	NA	<0.25	<0.25	<0.5	<0.5	<10	<1
UAW07-20 (Dup)	5/8/2001	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.35 J	NA	<0.5	NA	<0.5	<0.5	<1	<1	<20	<10
	11/15/2001	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5	<5	<100	<1
	10/20/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.092	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/12/2003	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<1	<20	<1
UAW07-20 (Dup)	11/12/2003	<0.05	0.2 PG	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	<0.05	0.27	<0.05	<0.05	<0.05	<0.05	<0.05	0.33 PG	<0.05	<0.05	NA	<0.1	<2	<1
	4/5/2004	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<1	<20	<1
	11/4/2004	0.14 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.25 J	<0.5	0.14 J	<0.5	<0.5	<0.5	0.37 J	<0.5	0.29 J	NA	0.47 J	<20	<1
UAW08-20	5/6/2001	<1	<1	<1	<1	<1	NA	<1	<1	<1	<1	<1	<1	<1	<1	NA	<1	NA	<1	<1	<2	<2	<40	<1
	11/13/2001	<0.5	<0.5	<0.5	<0.5	0.32 J	NA	<0.5	<0.5	0.52 PG	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	NA	0.49 J	0.32 J	<1	<1	<20	<1
	10/20/2002	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	NA	NA	<0.5	<0.5	<1	NA	NA	NA
	11/10/2003	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<2	<40	<1
	3/29/2004	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<2	<40	<10
	11/4/2004	0.08 J	0.29 PG	<0.25	<0.25	<0.25	<0.25	0.056 J	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	0.47 PG	<0.25	<0.25	0.2 J	NA	<0.5	<10	<1
UAW09-20	5/5/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/9/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/16/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/11/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	4/6/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/6/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
UAW09-60	5/5/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/9/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/16/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/11/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	4/6/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/6/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
UAW10-50	10/12/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/13/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/19/2002	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NA	<0.25	<0.25	<0.25	NA	NA	<0.25	<0.25	<0.5	NA	NA	NA
	11/10/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	3/30/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/5/2004	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.044 J	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.97	NA	<0.2	<4	<1
UAW10-80	10/12/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.081	NA	<0.1	<2	<1
	11/13/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/19/2002	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	NA	NA	<0.5	<0.5	<1	NA	NA	NA
	11/13/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	3/30/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/5/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.081 PG	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
UAW11-10	5/8/2001	<0.05	<0.05	<0.05	0.42	<0.05	<0.05	<0.05	0.11	0.054 PG	<0.05	<0.05	<0.05	0.043 J	<0.05	<0.05	<0.05	<0.05	0.1 PG	<0.05	NA	<0.1	<2	<1
	11/10/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/18/2002	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NA	<0.25	<0.25	<0.25	NA	NA	<0.25	<0.25	<0.5	NA	NA	NA
	11/16/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	4/6/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<5
	11/7/2004	0.0085 J	0.016 J	0.016 J	<0.05	<0.05	<0.05	0.13	0.0074 J	<0.05	0.015 J	0.044 J	<0.05	<0.05	0.51	<0.05	<0.05	0.025 J	<0.05	0.033 J	NA	0.024 J	<2	<1

Table B-3
Summary of Pesticide and Polychlorinated Biphenyl Detections
in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Isodrin	Methoxychlor	Toxaphene	Aroclor 1242
Groundwater	**(units: ug/L)**																							
UAW11-40	5/8/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/12/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	0.52 J
	10/18/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/16/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	4/6/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
UAW11-40 (Dup)	4/6/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/7/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.073	<0.05	<0.05	<0.05	0.025 J	<0.05	<0.05	<0.05	<0.05	0.51	NA	<0.1	<2	<1
UAW12-20	5/6/2001	0.045 J	<0.05	<0.05	<0.05	<0.05	NA	0.017 J	0.058	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	NA	<0.05	<0.05	0.017 J	<0.1	<2	<1
	11/15/2001	0.022 J	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.033 J	NA	<0.05	NA	0.09 PG	<0.05	<0.1	<0.1	<2	<1
	10/20/2002	0.039 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/12/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	3/28/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/4/2004	0.02 J	0.3 PG	0.036 J	<0.05	0.01 J	<0.05	0.39 PG	0.038 J	0.27 PG	0.041 J	<0.05	0.17 PG	<0.05	0.036 J	<0.05	0.028 J	<0.05	0.27 PG	<0.05	NA	<0.1	<2	<1
UAW13-20	5/6/2001	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	0.25 J	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	NA	<0.5	0.91 PG	<1	<1	<20	<1
	11/15/2001	<5	<5	<5	<5	<5	NA	<5	<5	<5	<5	<5	<5	<5	<5	NA	<5	NA	<5	<5	<10	<10	<200	<1
	10/23/2002	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NA	<0.25	<0.25	<0.25	NA	NA	<0.25	<0.25	<0.5	NA	NA	NA
	11/12/2003	<1	<1	<1	<1	<1	<1	<1	<1	2.7 PG	<1	<1	<1	<1	<1	<1	<1	<1	6	<1	NA	<2	<40	<1
	3/28/2004	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	NA	<2	<40	<10
	11/5/2004	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	0.31 J	<1	<1	<1	<1	<1	NA	<2	<40	<1
UAW14-10	5/5/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/9/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/16/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/16/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	4/5/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/6/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.34 PG	NA	<0.1	<2	<1
UAW15-20	5/6/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/11/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/18/2002	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NA	<0.25	<0.25	<0.25	NA	NA	<0.25	<0.25	<0.5	NA	NA	NA
	11/17/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	4/7/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/7/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.094	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.018 J	NA	<0.1	<2	<1
UAW15-50	5/6/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/11/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.024 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.034 J	0.031 J	NA	<0.1	<2	0.55 J
	10/18/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/17/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	4/7/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/7/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	6.9	<0.05	<0.05	<0.05	<0.05	0.11	NA	<0.1	<2	<1
UAW15-50 (Dup)	11/7/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	4.4	<0.05	<0.05	<0.05	<0.05	0.031 J	NA	<0.1	<2	<1

Table B-3
Summary of Pesticide and Polychlorinated Biphenyl Detections
in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Isodrin	Methoxychlor	Toxaphene	Aroclor 1242
Groundwater	**(units: ug/L)**																							
UAW16-10	10/12/2001	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	NA	<5	<100	130 J
UAW16-10 (Dup)	10/12/2001	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	NA	<20	<400	<100
	11/13/2001	<0.05	<0.05	<0.05	<0.05	0.053	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.041 J PG	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/18/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/16/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
UAW16-10 (Dup)	11/17/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.23 PG	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	4/7/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/7/2004	0.017 J	<0.05	<0.05	<0.05	<0.05	<0.05	0.057	0.009 J	<0.05	<0.05	0.047 J	<0.05	<0.05	<0.05	<0.05	<0.05	0.009 J	<0.05	<0.05	NA	0.022 J	<2	<1
UAW17-40	5/5/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/9/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/16/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/16/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	3/31/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/6/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
UAW18-20	10/12/2001	<0.05	0.021 J	<0.05	0.03 J	<0.05	<0.05	0.51 PG	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/13/2001	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.24	<0.1	<0.1	<0.1	0.14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.2	<4	<1
	10/18/2002	<0.05	<0.05	<0.05	<0.05	<0.05	0.03 J	0.12 PG	<0.05	<0.05	<0.05	0.033 J	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/16/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.26 PG	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	4/7/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/7/2004	<0.05	<0.05	<0.05	<0.05	<0.05	0.039 J	0.1	0.0084 J	<0.05	<0.05	0.02 J	<0.05	0.018 J	0.13	<0.05	0.0063 J	<0.05	0.014 J	0.048 J	NA	<0.1	1 J	<1
UAW19-80	5/6/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/12/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
UAW19-80 (Dup)	11/12/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/17/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
UAW19-80 (Dup)	10/17/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/13/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	3/30/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/5/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
UAW20-60	5/7/2001	<0.05	<0.05	<0.05	<0.05	<0.05	0.021 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/14/2001	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	<10	<200	<1
UAW20-60 (Dup)	11/14/2001	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NA	<0.5	<10	<1
	10/19/2002	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	NA	NA	<0.5	<0.5	<1	NA	NA	NA
UAW20-60 (Dup)	10/19/2002	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<0.5	<0.5	NA	NA	<0.5	<0.5	<1	NA	NA	NA
	11/13/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	3/30/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/5/2004	<0.05	<0.05	<0.05	<0.05	0.025 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.039 J	<0.05	NA	<0.1	<2	<1
UAW21-30	5/5/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/11/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	0.45 J
	10/18/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/11/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	3/27/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/3/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1

Table B-3
Summary of Pesticide and Polychlorinated Biphenyl Detections
in Groundwater and Seep Samples
Rohm and Haas Chemicals LLC
Cincinnati Plant
Units: ug/l

SAMPLE LOCATION	SAMPLE DATE	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-BHC	alpha-Chlordane	beta-BHC	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Endrin ketone	gamma-BHC (Lindane)	gamma-Chlordane	Heptachlor	Heptachlor epoxide	Isodrin	Methoxychlor	Toxaphene	Aroclor 1242
Groundwater	**(units: ug/L)**																							
UAW21-80	5/5/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/11/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/18/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/11/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	3/27/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/3/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
UAW22-20	10/13/2001	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	NA	<0.5	<10	<1
	11/13/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.21	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/20/2002	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	NA	NA	<0.1	<0.1	<0.2	NA	NA	NA
	11/10/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	3/29/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/4/2004	0.028 J	0.054 PG	<0.05	<0.05	<0.05	<0.05	<0.05	0.033 J	<0.05	<0.05	<0.05	<0.05	<0.05	0.22 PG	<0.05	<0.05	<0.05	0.14 PG	<0.05	NA	<0.1	<2	<1
UAW23-20	10/12/2001	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	<4	<80	<1
	11/14/2001	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	NA	<5	<100	<1
	10/19/2002	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	NA	<2.5	<2.5	<2.5	<2.5	NA	<2.5	<2.5	<5	NA	NA	NA
	11/13/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	3/28/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/5/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1	<0.05	0.032 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.023 J	<0.05	NA	<0.1	<2	<1
UAW24-70	10/13/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/15/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	10/17/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/16/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	4/5/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/6/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
UAW25-20	10/13/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/13/2001	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.14 PG	<0.05	0.051 PG	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.022 J PG	NA	<0.1	<2	<1
	10/18/2002	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	NA	NA	<0.05	<0.05	<0.1	NA	NA	NA
	11/12/2003	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.065	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	3/27/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/3/2004	<0.05	<0.05	<0.05	<0.05	0.021 J	<0.05	0.19	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.049 J	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
UAW26-70	4/6/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/6/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
UAW27-50	3/31/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.1	<2	<1
	11/5/2004	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.22	0.18 PG	NA	<0.1	<2	<1
LAW05-60	3/16/2002	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	NA	<0.05	<0.05	<0.1	<0.1	<2	<1
LAW05-150	3/16/2002	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	NA	<0.05	<0.05	<0.1	<0.1	<2	<1
LAW05-150 (Dup)	3/16/2002	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	NA	<0.05	<0.05	<0.1	<0.1	<2	<1
LAW12-60	10/13/2001	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	NA	<0.05	<0.05	<0.1	<0.1	<2	<1
	11/16/2001	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	<0.05	NA	<0.05	<0.05	<0.1	<0.1	<2	<1

Notes:
J = Estimated result; result is less than reporting limit
PG = The percentage difference between the original and confirmation analyses is greater than 40%
NA indicates chemical was not on the target analyte list for that sample.
<0.05 = Indicates constituent not detected at or above indicated detection limit.
This table only includes target analytes detected in one or more Facility Investigation samples.

Table B-4
Summary of Inorganic Detections in Groundwater,
Seep, and Surface Water Samples
Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Aluminum	Aluminum-DISS	Antimony	Antimony-DISS	Arsenic	Arsenic-DISS	Barium	Barium-DISS	Beryllium	Beryllium-DISS	Cadmium	Cadmium-DISS	Calcium	Calcium-DISS	Chromium	Chromium-DISS	Cobalt	Cobalt-DISS	Copper	Copper-DISS	Cyanide, Total	Hexavalent Chromium	Iron	Iron-DISS	Lead	Lead-DISS	Magnesium	Magnesium-DISS
Groundwater																													
DP53-12.5'	3/11/2004	NA	NA	NA	NA	15.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.9	NA	NA	NA	NA	NA	NA	<20	NA	NA	8.1	NA	NA	NA
MW-EPA-1	5/8/2001	129 B	NA	3.3 B	NA	246	NA	287	NA	<5	NA	<2	NA	354000	365000	73	NA	2.1 B	NA	<25	NA	<10	NA	7800	<100	<3	NA	126000	127000
	11/15/2001	138 B J	NA	<10	NA	611	NA	217 J	NA	<5	NA	<2	NA	435000 J	418000 J	9.8	NA	1.4 B	NA	<25	NA	3.6 B	NA	2140	240	<3	NA	173000	152000
	10/20/2002	164 B J	NA	<10	NA	460	NA	244	NA	<5	NA	<2	NA	302000 J	NA	14.7	NA	1.1 B	NA	<25	NA	<10	NA	2540	NA	<3	NA	172000	NA
	11/12/2003	215	NA	3.1 B	NA	465	NA	260 J	NA	<5	NA	<2	NA	425000 J	NA	26.2	NA	<7	NA	<25	NA	<10	NA	2450	NA	<3	NA	173000 J	NA
	3/28/2004	313 J	NA	<10	NA	483	NA	246	NA	<5	NA	<2	NA	466000	NA	37.2	NA	<7	NA	5 B J	NA	<10	NA	1600	NA	<3	NA	148000	NA
	11/4/2004	365 J	NA	<10	NA	215	NA	209	NA	<5	NA	0.38 B J	NA	338000	NA	14.4	NA	1.5 B J	NA	<25	NA	<10	NA	2030	NA	<3	NA	123000 J	NA
	11/15/2005	69.4 B	NA	<10	NA	596	NA	145 B	NA	0.59 U	NA	0.45 B	NA	370000	NA	12.9	NA	2.5 B	NA	3.0 B	NA	NA	NA	1810	NA	<3	NA	97500	NA
	11/8/2006	138 B	NA	< 10	NA	293	NA	243	NA	< 5	NA	< 2	NA	289000 J	NA	31.2	NA	< 7	NA	4 B J	NA	NA	NA	1980	NA	< 3	NA	123000	NA
	11/19/2007	409	NA	< 10	NA	184	NA	294 J	NA	< 5	NA	< 2	NA	270000 J	NA	47.5	NA	2.1 B	NA	4.6 B	NA	NA	NA	7090 J	NA	< 3	NA	185000 J	NA
	11/6/2008	342	NA	4 B	NA	207	NA	434 J	NA	< 5	NA	< 2	NA	337000 J	NA	33.5	NA	< 7	NA	5.7 B	NA	NA	NA	6790	NA	< 3	NA	206000 J	NA
	11/20/2009	1030	NA	< 10	NA	185	NA	657	NA	< 5	NA	< 2	NA	314000	NA	244	NA	< 7	NA	15.3 B	NA	NA	NA	6990	NA	2.6 B	NA	204000	NA
MW-EPA-2	5/8/2001	38400	NA	3.6 B	NA	27.4	NA	496	NA	1.9 B	NA	0.65 B	NA	327000	266000	1250	NA	38.9	NA	74.3	NA	<10	NA	64800	<100	27.6	NA	114000	91100
	11/14/2001	39300 J	NA	5.4 B	NA	31.7	NA	292	NA	1.8 B	NA	5.2	NA	254000	151000	1750	NA	51.2	NA	109	NA	2.6 B	NA	74600	<100	32.4	NA	88100 J	50700 J
	10/20/2002	1260 J	NA	<10	NA	3.1 B	NA	113 B	NA	<5	NA	0.5 B	NA	142000 J	NA	80.1	NA	3.3 B	NA	4.7 B	NA	<10	NA	1860	NA	<3	NA	45500	NA
	11/11/2003	1490	NA	<10	NA	<10	NA	105 B J	NA	<5	NA	1 B	NA	154000 J	NA	492	NA	5.4 B	NA	9.4 B	NA	<10	NA	3320	NA	<3	NA	47700 J	NA
	3/29/2004	2020 J E	NA	<10	NA	<10	NA	129 B	NA	<5	NA	0.33 B	NA	190000	NA	443	NA	6.4 B	NA	13 B J	NA	<10	<20	3610	NA	<3	NA	62000	NA
	11/4/2004	425 J	NA	<10	NA	<10	NA	190 B	NA	<5	NA	1 B J	NA	274000	NA	65.6	NA	3.9 B J	NA	5.7 B	NA	<10	NA	868	NA	<3	NA	87100 J	NA
	11/11/2005	889	NA	<10	NA	<10	NA	249	NA	<5	NA	<2	NA	305000 J	NA	243	NA	3.0 B	NA	7.1 B J	NA	NA	NA	1880	NA	<3	NA	97600	NA
	11/9/2006	179 B	NA	< 10	NA	< 10	NA	32.3 B	NA	0.33 B	NA	5.3	NA	228000 J	NA	10.7	NA	1.3 B	NA	13.2 B	NA	NA	NA	1510	NA	6.6	NA	66000	NA
	11/19/2007	7030	NA	< 10	NA	4 B	NA	278 J	NA	< 5	NA	< 2	NA	295000 J	NA	1010	NA	12.7	NA	39.2	NA	NA	NA	12700 J	NA	4	NA	95100 J	NA
	11/17/2008	1340	NA	< 10	NA	< 10	NA	164 B J	NA	< 5	NA	< 2	NA	219000 J	NA	126	NA	6 B	NA	34	NA	NA	NA	3050	NA	6.1	NA	70800 J	NA
	11/23/2009	12700	NA	< 10	NA	8.3 B	NA	253	NA	0.64 B	NA	< 2	NA	262000	NA	370	NA	17.6	NA	36.9	NA	NA	NA	20700	NA	12.8	NA	83300	NA
MW-EPA-3	5/6/2001	1330	NA	<10	NA	<10	NA	71.9 B	NA	<5	NA	1.5 B	NA	188000	274000	29.9	NA	2.8 B	NA	11.2 B	NA	<10	NA	5540	<100	<3	NA	68900	94600
	11/13/2001	16400	NA	<10	NA	14.1	NA	120 B	NA	1.1 B	NA	1.2 B	NA	470000 J	332000 J	75.8	NA	14.5	NA	37.5	NA	<10	NA	40500	2700	13.7	NA	175000 J	123000 J
	10/17/2002	20800	NA	<10	NA	23	NA	146 B	NA	0.79 B	NA	1.7 B	NA	467000 J	NA	117	NA	20.7	NA	41.5	NA	<10	NA	51400	NA	20.6	NA	153000 J	NA
	11/13/2003	4770	NA	<10	NA	6.7 B	NA	86.6 B J	NA	0.83 B	NA	0.76 B	NA	414000 J	NA	69.3	NA	7.1	NA	7 B	NA	<10	NA	16300 J	NA	7.5	NA	118000	NA
	3/30/2004	19200 J	NA	<10	NA	22.2	NA	117 B	NA	0.52 B	NA	2.1	NA	464000	NA	143	NA	21	NA	50	NA	<10	NA	55200	NA	20.5	NA	165000	NA
	11/4/2004	4240 J	NA	<10	NA	5.3 B	NA	174 B	NA	<5	NA	2 J	NA	305000	NA	22.8	NA	11.9 J	NA	16.2 B	NA	<10	NA	8830	NA	2 B	NA	108000 J	NA
	11/11/2005	239	NA	<10	NA	<10	NA	98.7 B	NA	<5	NA	<2	NA	342000 J	NA	<5	NA	2.6 B	NA	2.0 B J	NA	NA	NA	6630	NA	<3	NA	124000	NA
	11/7/2006	872	NA	< 10	NA	< 10	NA	144 B	NA	< 5	NA	0.68 B	NA	377000 J	NA	10.7	NA	2.9 B	NA	3.6 B J	NA	NA	NA	7140	NA	< 3	NA	139000	NA
	11/14/2007	2370	NA	2 B	NA	< 10	NA	123 B	NA	< 5	NA	< 2	NA	205000 J	NA	8.6	NA	3 B	NA	< 25	NA	NA	NA	4910	NA	< 3	NA	69500	NA
	11/11/2008	1030	NA	< 10	NA	< 10	NA	99.5 B J	NA	< 5	NA	< 2	NA	275000 J	NA	27	NA	4.6 B	NA	5.7 B	NA	NA	NA	6260	NA	< 3	NA	96400 J	NA
	11/23/2009	513	NA	< 10	NA	< 10	NA	131 B	NA	< 5	NA	< 2	NA	197000	NA	19.9	NA	12.3	NA	< 25	NA	NA	NA	3080	NA	< 3	NA	64400	NA
MW-EPA-4	5/8/2001	<200	NA	<10	NA	<10	NA	235	NA	<5	NA	0.31 B	NA	269000	271000	37.7	NA	2.8 B	NA	<25	NA	<10	NA	950	<100	<3	NA	63600	64000
	11/13/2001	41.7 B	NA	<10	NA	<10	NA	114 B	NA	<5	NA	<2	NA	157000 J	136000 J	130	NA	11.4	NA	<25	NA	<10	NA	8220	398	<3	NA	40600 J	35200 J
	10/18/2002	<200	NA	<10	NA	<10	NA	87.9 B	NA	<5	NA	<2	NA	120000 J	NA	207	NA	4.1 B	NA	<25	NA	<10	NA	1980	NA	<3	NA	27900 J	NA
	11/16/2003	<200	NA	<10	NA	<10	NA	165 B J	NA	<5	NA	1.1 B J	NA	196000 J	NA	37.2 J	NA	6.6 B J	NA	3.7 B J	NA	<10	NA	3340	NA	<3	NA	48600 J	NA
	4/6/2004	<200	NA	<10	NA	<10	NA	137 B J	NA	<5	NA	<2	NA	182000	NA	64.6	NA	2.4 B	NA	<25	NA	<10	<20	1080	NA	<3	NA	42400 J	NA
	11/6/2004	120 B	NA	<10	NA	<10	NA	169 B	NA	<5	NA	<2	NA	201000	NA	36.1	NA	1.9 B	NA	3.3 B	NA	<10	NA	1470	NA	<3	NA	47300	NA
	11/9/2005	<200	NA	<10	NA	<10	NA	209	NA	0.34 B	NA	<2	NA	280000 J	NA	41.5	NA	2.6 B	NA	<25	NA	NA	NA	1280	NA	<3	NA	67700	NA
	11/7/2006	< 200	NA	< 10	NA	< 10	NA	257	NA	< 5	NA	< 2	NA	252000 J	NA	197	NA	1.4 B	NA	4.6 B J	NA	NA	NA	684	NA	< 3	NA	64300	NA
	11/14/2007	< 200	NA	3.7 B	NA	< 10	NA	176 B	NA	< 5	NA	< 2	NA	160000 J	NA	436	NA	5.5 B	NA	8.4 B	NA	NA	NA	1320	NA	< 3	NA	38000	NA
	11/6/2008	< 200	NA	< 10	NA	< 10	NA	123 B J	NA	< 5	NA	< 2	NA	139000 J	NA	846	NA	5.3 B	NA	12.4 B	NA	NA	NA	3110	NA	< 3	NA	31100 J	NA
	11/19/2009	< 200	NA	< 10	NA	< 10	NA	208	NA	< 5	NA	< 2	NA	198000	NA	221	NA	1.8 B	NA	5.2 B	NA	NA	NA	712	NA	< 3	NA	49400	NA

Table B-4
Summary of Inorganic Detections in Groundwater,
Seep, and Surface Water Samples
Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Manganese	Manganese-DISS	Mercury	Mercury-DISS	Nickel	Nickel-DISS	Potassium	Potassium-DISS	Selenium	Selenium-DISS	Silver	Silver-DISS	Sodium	Sodium-DISS	Thallium	Thallium-DISS	Tin	Tin-DISS	Total Sulfide	Vanadium	Vanadium-DISS	Zinc	Zinc-DISS
Groundwater																								
DP53-12.5'	3/11/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2550	NA	NA	NA	NA	NA	NA
MW-EPA-1	5/8/2001	330	NA	<0.2	NA	112	NA	12000	12000	<5	NA	<5	NA	472000	474000	7.6 B	NA	NA	NA	2600	4.6 B	NA	<20	NA
	11/15/2001	520	NA	<0.2	NA	32.1 B	NA	17600 J	15700 J	<5	NA	<5	NA	642000	584000	5.6 B	NA	NA	NA	7500	5.8 B	NA	<20	NA
	10/20/2002	219	NA	<0.2	NA	20.5 B	NA	15500 J	NA	<5	NA	NA	NA	643000	NA	5.3 B	NA	2280	NA	17000	4.9 B	NA	16.5 B	NA
	11/12/2003	323 J	NA	<0.2	NA	19.3 B	NA	16000 J	NA	<5	NA	<5	NA	754000	NA	8 B	NA	3390	NA	51000	5.5 B	NA	20.2 J	NA
	3/28/2004	479 J	NA	<0.2	NA	19.7 B	NA	16000 J	NA	<5	NA	<5	NA	767000	NA	<10	NA	3380	NA	29000	6.4 B	NA	27.9	NA
	11/4/2004	338 J	NA	<0.2	NA	7.6 B	NA	13200 J	NA	<5	NA	<5	NA	577000	NA	6.4 B	NA	1340	NA	21000	3.1 B	NA	<20	NA
	11/15/2005	475	NA	<0.2	NA	13.9 B	NA	13100 J	NA	<5	NA	<5	NA	621000	NA	<10	NA	2430	NA	NA	7.2	NA	41.1	NA
	11/8/2006	281 J	NA	<0.2	NA	12.8 B	NA	11500 J	NA	<5	NA	<5	NA	591000	NA	< 10	NA	1310	NA	NA	5.1 B	NA	20 J	NA
	11/19/2007	177 J	NA	< 0.2	NA	88.7	NA	15600	NA	< 5	NA	< 5	NA	791000	NA	5.4 B	NA	678	NA	NA	3.9 B	NA	12.3 B	NA
	11/6/2008	741 J	NA	< 0.2	NA	45.2	NA	20400	NA	< 5	NA	< 5	NA	860000	NA	< 10	NA	1990	NA	NA	22.9	NA	< 20	NA
	11/20/2009	133	NA	< 0.2	NA	77.8	NA	16600	NA	< 5	NA	< 5	NA	897000	NA	5.3 B	NA	1290	NA	NA	36.5	NA	35.5	NA
MW-EPA-2	5/8/2001	1610	NA	<0.2	NA	271	NA	15900 L	3860 B	5	NA	<5	NA	480000	486000	10.4	NA	NA	NA	4500	85.2	NA	193	NA
	11/14/2001	1640	NA	0.15 B	NA	369	NA	13300	2190 B	<5	NA	<5	NA	336000	340000	10.8	NA	NA	NA	1100	91.7	NA	280	NA
	10/20/2002	317	NA	<0.2	NA	121	NA	2560 B J	NA	<5	NA	NA	NA	231000	NA	6.4 B	NA	<100	NA	620 B	2.7 B	NA	<20	NA
	11/11/2003	288 J	NA	<0.2	NA	132	NA	2770 B J	NA	<5	NA	<5	NA	248000	NA	6 B	NA	11.9 B	NA	<1000	4.9 B	NA	20.6 J	NA
	3/29/2004	350 J	NA	<0.2	NA	225	NA	3090 B J	NA	5.1	NA	<5	NA	316000	NA	4.6 B J	NA	9.5 B	NA	730 B	4.1 B	NA	14.3 B	NA
	11/4/2004	202 J	NA	<0.2	NA	231	NA	3920 B J	NA	<5	NA	<5	NA	427000	NA	5.3 B	NA	<100	NA	<1000	<7	NA	<20	NA
	11/11/2005	241 J	NA	<0.2	NA	225	NA	5330	NA	<5	NA	<5	NA	591000	NA	<10	NA	<100	NA	NA	2.5 B	NA	14.3 U	NA
	11/9/2006	77.2 J	NA	<0.2	NA	22.1 B	NA	2090 B J	NA	< 5	NA	< 5	NA	64000	NA	< 10	NA	89.1 B	NA	NA	< 7	NA	84.9 J	NA
	11/19/2007	755 J	NA	< 0.2	NA	243	NA	8490	NA	< 5	NA	< 5	NA	600000	NA	7.9 B	NA	52.7 B	NA	NA	19.4	NA	48.5	NA
	11/17/2008	335 J	NA	< 0.2	NA	184	NA	3650 B J	NA	< 5	NA	< 5	NA	423000	NA	< 10	NA	149	NA	NA	2.6 B	NA	62.5	NA
	11/23/2009	1100	NA	< 0.2	NA	242	NA	8800	NA	< 5	NA	< 5	NA	587000	NA	< 10	NA	168	NA	NA	28	NA	87.5	NA
MW-EPA-3	5/6/2001	357	NA	<0.2	NA	34.4 B	NA	1770 B	1500 B	<5	NA	<5	NA	26300	31700	9.4 B	NA	NA	NA	<1000	2.4 B	NA	71.3	NA
	11/13/2001	1440 J	NA	<0.2	NA	80.3	NA	6910 J	1700 B J	<5	NA	<5	NA	48000 J	40400 J	<10	NA	NA	NA	1800	32.1	NA	163 J	NA
	10/17/2002	1820 J	NA	<0.2	NA	113	NA	8530 J	NA	<5	NA	NA	NA	36300	NA	<10	NA	<100	NA	300 B	45.3 J	NA	148	NA
	11/13/2003	1350 J	NA	<0.2	NA	72.2	NA	3490 B J	NA	<5	NA	<5	NA	38000	NA	<10	NA	<100	NA	<1000	10.4	NA	39.3 J	NA
	3/30/2004	1720 J	NA	<0.2	NA	159	NA	6430 J	NA	<5	NA	<5	NA	42800	NA	4.9 B	NA	<100	NA	<1000	40.3	NA	147	NA
	11/4/2004	1120 J	NA	<0.2	NA	94.3	NA	3310 B J	NA	<5	NA	<5	NA	40300	NA	7 B	NA	<100	NA	120000	7.9	NA	54.3	NA
	11/11/2005	672 J	NA	<0.2	NA	50.7	NA	2160 B	NA	<5	NA	<5	NA	52900	NA	5.0 B	NA	<100	NA	NA	<7	NA	44.9 U	NA
	11/7/2006	794 J	NA	<0.2	NA	28.6 B	NA	2360 B J	NA	< 5	NA	< 5	NA	60600	NA	< 10	NA	< 100	NA	NA	< 7	NA	26.7 J	NA
	11/14/2007	468	NA	< 0.2	NA	24.4 B	NA	2720 B J	NA	< 5	NA	< 5	NA	32900	NA	< 10	NA	< 100	NA	NA	3.7 B	NA	41.2	NA
	11/11/2008	578 J	NA	< 0.2	NA	144	NA	2010 B	NA	< 5	NA	< 5	NA	47400	NA	< 10	NA	< 100	NA	NA	2.6 B	NA	< 20	NA
	11/23/2009	595	NA	< 0.2	NA	639	NA	1700 B	NA	< 5	NA	< 5	NA	38100	NA	< 10	NA	< 100	NA	NA	< 7	NA	50.9	NA
MW-EPA-4	5/8/2001	352	NA	<0.2	NA	140	NA	4830 B	4740 B	<5	NA	<5	NA	704000	684000	8.5 B	NA	NA	NA	<1000	<7	NA	<20	NA
	11/13/2001	284 J	NA	0.16 B	NA	910	NA	2430 B J	2170 B J	<5	NA	<5	NA	104000 J	106000 J	<10	NA	NA	NA	1300	<7	NA	<20	NA
	10/18/2002	157 J	NA	<0.2	NA	256	NA	3200 B J	NA	<5	NA	NA	NA	79300	NA	<10	NA	<100	NA	940 B	1.1 B J	NA	<20	NA
	11/16/2003	185 J	NA	<0.2	NA	424 J	NA	5540 J	NA	<5	NA	<5	NA	250000	NA	7.7 B J	NA	<100	NA	<1000	<7	NA	<20	NA
	4/6/2004	193	NA	<0.2	NA	198	NA	3980 B J	NA	<5	NA	<5	NA	178000	NA	4.5 B	NA	<100	NA	5900	<7	NA	<20	NA
	11/6/2004	153 J	NA	<0.2	NA	206	NA	5150 J	NA	<5	NA	<5	NA	249000	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	11/9/2005	353 J	NA	<0.2	NA	173 J	NA	5620 J	NA	4.3 B	NA	<5	NA	261000	NA	<10	NA	<100	NA	NA	<7	NA	<20	NA
	11/7/2006	129 J	NA	<0.2	NA	102	NA	5830 J	NA	< 5	NA	< 5	NA	592000	NA	< 10	NA	6.5 B	NA	NA	< 7	NA	< 20	NA
	11/14/2007	235	NA	< 0.2	NA	374	NA	6380 J	NA	< 5	NA	< 5	NA	570000	NA	< 10	NA	< 100	NA	NA	1.4 B	NA	< 20	NA
	11/6/2008	224 J	NA	< 0.2	NA	273	NA	4470 B	NA	< 5	NA	< 5	NA	301000	NA	< 10	NA	< 100	NA	NA	2.8 B	NA	< 20	NA
	11/19/2009	81.6	NA	< 0.2	NA	249	NA	6810	NA	< 5	NA	< 5	NA	834000	NA	< 10	NA	27.3 B	NA	NA	< 7	NA	< 20	NA

Table B-4
Summary of Inorganic Detections in Groundwater,
Seep, and Surface Water Samples
Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Aluminum	Aluminum-DISS	Antimony	Antimony-DISS	Arsenic	Arsenic-DISS	Barium	Barium-DISS	Beryllium	Beryllium-DISS	Cadmium	Cadmium-DISS	Calcium	Calcium-DISS	Chromium	Chromium-DISS	Cobalt	Cobalt-DISS	Copper	Copper-DISS	Cyanide, Total	Hexavalent Chromium	Iron	Iron-DISS	Lead	Lead-DISS	Magnesium	Magnesium-DISS
Groundwater																													
Recovery Well	7/29/2001	NA	NA	<10	NA	39.6	NA	328	NA	<5	NA	8.6	NA	NA	NA	264	NA	11.1	NA	4640	NA	<10	NA	NA	NA	405	NA	NA	NA
RWV20	4/6/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NA	NA	NA	NA	NA	NA	<20	NA	NA	NA	NA	NA	NA
UAW01-30	5/4/2001	82.1 B	NA	<10	NA	13	NA	339	NA	<5	NA	<2	NA	341000	358000	7.7	NA	2.2 B	NA	<25	NA	8 B	NA	9970	150	<3	NA	77200	84600
	11/8/2001	81.8 B J	NA	<10	NA	5.1 B	NA	164 B J	NA	0.58 B	NA	0.29 B	NA	151000 J	146000 J	15.2	NA	14.8	NA	<25	NA	<10	NA	8940	7700	<3	NA	31800	30900
	10/17/2002	<200	NA	<10	NA	7.6 B	NA	93.9 B	NA	<5	NA	<2	NA	110000 J	NA	32.8	NA	4.7 B	NA	<25	NA	<10	NA	2830	NA	<3	NA	25000 J	NA
	11/11/2003	<200	NA	<10	NA	5.9 B	NA	109 B J	NA	<5	NA	<2	NA	138000 J	NA	32.1	NA	<7	NA	<25	NA	<10	NA	1380	NA	<3	NA	32500 J	NA
	3/24/2004	<200	NA	<10	NA	7.1 B	NA	81.3 B J	NA	0.8 B J	NA	<2	NA	109000 J	NA	9.8	NA	1.4 B	NA	6 B J	NA	<10	NA	1530	NA	<3	NA	25700 J	NA
	11/3/2004	<200	NA	<10	NA	10.1	NA	206	NA	<5	NA	<2	NA	210000	NA	20.3	NA	2.7 B	NA	3.2 B	NA	<10	NA	6590	NA	<3	NA	48600	NA
	11/8/2005	<200	NA	<10	NA	11	NA	224	NA	<5	NA	<2	NA	193000 J	NA	28.9	NA	5.4 B	NA	3.4 B	NA	NA	NA	9800	NA	<3	NA	45100	NA
	11/1/2006	< 200	NA	< 10	NA	13.2	NA	218	NA	< 5	NA	< 2	NA	221000 J	NA	9	NA	1.6 B	NA	< 25	NA	NA	NA	7130	NA	< 3	NA	46000	NA
	11/8/2007	< 200	NA	< 10	NA	25	NA	298 J	NA	< 5	NA	< 2	NA	247000 J	NA	97.3	NA	< 7	NA	< 25	NA	NA	NA	12200	NA	< 3	NA	57700 J	NA
	11/5/2008	< 200	NA	< 10	NA	< 10	NA	121 B J	NA	< 5	NA	< 2	NA	154000 J	NA	25.5	NA	< 7	NA	< 25	NA	NA	NA	3360 J	NA	< 3	NA	34300 J	NA
	11/12/2009	< 200	NA	< 10	NA	17.9	NA	290	NA	< 5	NA	< 2	NA	247000	NA	115	NA	< 7	NA	< 25	NA	NA	NA	6580	NA	< 3	NA	50100	NA
UAW01-80	5/4/2001	331	NA	<10	NA	3.9 B	NA	309	NA	<5	NA	<2	NA	117000	118000	2.4 B	NA	<7	NA	<25	NA	<10	NA	10600	3070	<3	NA	30800	31900
	11/12/2001	105 B J	NA	<10	NA	<10	NA	308	NA	<5	NA	<2	NA	112000	115000	<5	NA	<7	NA	<25	NA	<10	NA	9600	279	<3	NA	29900	31000
	10/17/2002	98.7 B	NA	<10	NA	2.4 B	NA	350	NA	<5	NA	<2	NA	113000 J	NA	3.5 B	NA	<7	NA	<25	NA	<10	NA	10600	NA	<3	NA	29200 J	NA
	11/11/2003	<200	NA	<10	NA	3.5 B	NA	326 J	NA	<5	NA	<2	NA	120000 J	NA	2.7 B	NA	<7	NA	<25	NA	<10	NA	10100	NA	<3	NA	30400 J	NA
	3/24/2004	<200	NA	<10	NA	5 B	NA	346 J	NA	0.77 B J	NA	0.46 B	NA	122000 J	NA	<5	NA	<7	NA	5 B J	NA	<10	NA	10300	NA	<3	NA	30700 J	NA
	11/2/2004	<200	NA	<10	NA	3.4 B	NA	332	NA	<5	NA	0.32 B	NA	113000	NA	<5	NA	<7	NA	<25	NA	<10	NA	10000	NA	<3	NA	28300	NA
	11/8/2005	<200	NA	<10	NA	<10	NA	325	NA	<5	NA	<2	NA	107000 J	NA	<5	NA	<7	NA	<25	NA	NA	NA	9860	NA	<3	NA	28000	NA
	11/1/2006	< 200	NA	< 10	NA	< 10	NA	337	NA	< 5	NA	< 2	NA	114000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	10400	NA	< 3	NA	29100	NA
	11/8/2007	< 200	NA	< 10	NA	< 10	NA	301 J	NA	< 5	NA	< 2	NA	94100 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	8500	NA	< 3	NA	23900 J	NA
	11/5/2008	< 200	NA	< 10	NA	< 10	NA	266 J	NA	< 5	NA	< 2	NA	95400 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	7230 J	NA	< 3	NA	24900 J	NA
	11/12/2009	< 200	NA	< 10	NA	< 10	NA	272	NA	< 5	NA	< 2	NA	94400	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	8060	NA	< 3	NA	24900	NA
UAW02-20	5/7/2001	49.1 B	NA	<10	NA	3.9 B	NA	400	NA	<5	NA	<2	NA	331000	316000	3.3 B	NA	<7	NA	<25	NA	<10	NA	4200	641	<3	NA	58700	59200
UAW02-20 (Dup)	5/7/2001	61.2 B	NA	<10	NA	6.1 B	NA	395	NA	<5	NA	<2	NA	316000	302000	22.6	NA	<7	NA	<25	NA	<10	NA	4480	659	<3	NA	56200	53400
	11/10/2001	<200	NA	2.9 B	NA	<10	NA	169 B	NA	<5	NA	<2	NA	177000 J	157000 J	<5	NA	<7	NA	<25	NA	<10	NA	1940	340	<3	NA	33200 J	29800 J
	10/17/2002	<200	NA	<10	NA	3.2 B	NA	311	NA	<5	NA	0.67 B	NA	203000 J	NA	8.1	NA	2.2 B	NA	<25	NA	2.2 B	NA	2600	NA	<3	NA	34000 J	NA
	11/12/2003	<200	NA	<10	NA	<10	NA	124 B J	NA	<5	NA	<2	NA	175000 J	NA	2.7 B	NA	<7	NA	<25	NA	<10	NA	2170	NA	<3	NA	32600 J	NA
	3/26/2004	35 B J	NA	<10	NA	<10	NA	271	NA	<5	NA	<2	NA	255000 J	NA	<5	NA	<7	NA	<25	NA	<10	NA	3650	NA	<3	NA	45700 J	NA
	11/3/2004	<200	NA	<10	NA	<10	NA	77.4 B	NA	<5	NA	<2	NA	109000	NA	<5	NA	<7	NA	<25	NA	<10	NA	1150	NA	<3	NA	20800	NA
	11/9/2005	<200	NA	<10	NA	<10	NA	77.5 B	NA	0.32 B	NA	<2	NA	125000 J	NA	2.0 B	NA	<7	NA	<25	NA	NA	NA	1620	NA	<3	NA	25500	NA
	11/3/2006	47.3 B	NA	< 10	NA	< 10	NA	119 B	NA	< 5	NA	0.64 B	NA	156000 J	NA	5.2	NA	< 7	NA	2.8 B J	NA	NA	NA	4270	NA	< 3	NA	31500	NA
	11/9/2007	120 B	NA	< 10	NA	< 10	NA	79.5 B J	NA	< 5	NA	< 2	NA	80600 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	813	NA	< 3	NA	16000 J	NA
	11/7/2008	159 B	NA	2.6 B	NA	< 10	NA	132 B J	NA	< 5	NA	< 2	NA	149000 J	NA	2.9 B	NA	< 7	NA	< 25	NA	NA	NA	1520	NA	< 3	NA	27200 J	NA
	11/12/2009	< 200	NA	< 10	NA	< 10	NA	173 B	NA	< 5	NA	< 2	NA	217000	NA	3.1 B	NA	< 7	NA	< 25	NA	NA	NA	3160	NA	< 3	NA	45800	NA

Table B-4
Summary of Inorganic Detections in Groundwater,
Seep, and Surface Water Samples
Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Manganese	Manganese-DISS	Mercury	Mercury-DISS	Nickel	Nickel-DISS	Potassium	Potassium-DISS	Selenium	Selenium-DISS	Silver	Silver-DISS	Sodium	Sodium-DISS	Thallium	Thallium-DISS	Tin	Tin-DISS	Total Sulfide	Vanadium	Vanadium-DISS	Zinc	Zinc-DISS
Groundwater																								
Recovery Well	7/29/2001	NA	NA	<0.2	NA	311	NA	NA	NA	<5	NA	<5	NA	NA	NA	<10	NA	1650	NA	2700	76	NA	1100	NA
RWV20	4/6/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
UAW01-30	5/4/2001	1240	NA	<0.2	NA	109	NA	13000	15900	<5	NA	<5	NA	315000	335000	<10	NA	NA	NA	<1000	<7	NA	<20	NA
	11/8/2001	569	NA	0.093 B	NA	802	NA	13900 J	13500 J L	<5	NA	<5	NA	243000	236000	7.1 B	NA	NA	NA	2900 J	<7	NA	<20	NA
	10/17/2002	902 J	NA	<0.2	NA	237	NA	6750 J	NA	<5	NA	NA	NA	68000	NA	<10	NA	23.5 B	NA	<1000	<7	NA	<20	NA
	11/11/2003	180 J	NA	<0.2	NA	31.1 B	NA	8590 J	NA	<5	NA	<5	NA	166000	NA	<10	NA	30.8 B	NA	<1000	<7	NA	<20	NA
	3/24/2004	276 J	NA	0.082 B J	NA	36.6 B	NA	7090 J	NA	<5	NA	<5	NA	115000	NA	<10	NA	14.9 B	NA	900 B	<7	NA	<20	NA
	11/3/2004	777	NA	0.082 B	NA	181	NA	13300 J	NA	<5	NA	<5	NA	493000	NA	<10	NA	22.4 B	NA	<1000	<7	NA	<20	NA
	11/8/2005	843 J	NA	<0.2	NA	310	NA	14300 J	NA	<5	NA	<5	NA	576000	NA	<10	NA	17.7	NA	NA	<7	NA	7.5 B	NA
	11/1/2006	531 J	NA	<0.2	NA	108	NA	12900 J	NA	< 5	NA	< 5	NA	495000	NA	< 10	NA	22.3 B	NA	NA	< 7	NA	< 20	NA
	11/8/2007	631 J	NA	< 0.2	NA	124	NA	11400 J	NA	< 5	NA	< 5	NA	474000	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/5/2008	1700	NA	< 0.2	NA	32.3 B	NA	6660 J	NA	< 5	NA	< 5	NA	130000	NA	4.9 B	NA	12.8 B	NA	NA	< 7	NA	< 20	NA
	11/12/2009	397	NA	< 0.2	NA	31.7 B	NA	19700	NA	< 5	NA	< 5	NA	644000	NA	< 10	NA	11.5 B	NA	NA	< 7	NA	20 U	NA
UAW01-80	5/4/2001	563	NA	<0.2	NA	4.1 B	NA	2140 B	2390 B	<5	NA	<5	NA	51900	53100	<10	NA	NA	NA	<1000	<7	NA	<20	NA
	11/12/2001	527	NA	<0.2	NA	<40	NA	2630 B	2530 B	<5	NA	<5	NA	50300	51300	10.1 J	NA	NA	NA	<1000	<7	NA	<20	NA
	10/17/2002	527 J	NA	<0.2	NA	3.4 B	NA	2340 B J	NA	<5	NA	NA	NA	51000	NA	<10	NA	<100	NA	460 B	<7	NA	<20	NA
	11/11/2003	508 J	NA	<0.2	NA	3.7 B	NA	2370 B J	NA	<5	NA	<5	NA	55300	NA	6.3 B	NA	<100	NA	<1000	<7	NA	<20	NA
	3/24/2004	527 J	NA	0.046 B J	NA	<40	NA	2530 B J	NA	<5	NA	<5	NA	58900	NA	<10	NA	<100	NA	580 B	<7	NA	<20	NA
	11/2/2004	499	NA	0.082 B	NA	<40	NA	2020 B J	NA	<5	NA	<5	NA	55300	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	11/8/2005	492 J	NA	<0.2	NA	<40	NA	2130 B J	NA	<5	NA	<5	NA	58700	NA	<10	NA	<100	NA	NA	<7	NA	<20	NA
	11/1/2006	514 J	NA	<0.2	NA	<40	NA	2240 B J	NA	<5	NA	<5	NA	62500	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/8/2007	461 J	NA	< 0.2	NA	< 40	NA	1830 B J	NA	< 5	NA	< 5	NA	53400	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/5/2008	428	NA	< 0.2	NA	< 40	NA	1890 B J	NA	< 5	NA	< 5	NA	56200	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/12/2009	424	NA	< 0.2	NA	< 40	NA	1790 B	NA	< 5	NA	< 5	NA	53500	NA	< 10	NA	< 100	NA	NA	< 7	NA	20 U	NA
UAW02-20	5/7/2001	892	NA	<0.2	NA	27.1 B	NA	6670	6130	<5	NA	<5	NA	496000	446000	7.2 B	NA	NA	NA	<1000	37.3	NA	<20	NA
UAW02-20 (Dup)	5/7/2001	869	NA	<0.2	NA	47.2	NA	6600 L	6280 L	<5	NA	<5	NA	475000	452000	8.5 B	NA	NA	NA	1800	39.2	NA	<20	NA
	11/10/2001	686 J	NA	<0.2	NA	35.9 B	NA	2990 B	2650 B	<5	NA	<5	NA	140000 J	124000 J	<10	NA	NA	NA	<1000	16.6	NA	<20	NA
	10/17/2002	975 J	NA	<0.2	NA	94	NA	6600 J	NA	<5	NA	NA	NA	235000	NA	5.9 B	NA	277	NA	940 B	19.7 J	NA	14.6 B	NA
	11/12/2003	555 J	NA	<0.2	NA	23 B	NA	2410 B J	NA	<5	NA	<5	NA	180000	NA	<10	NA	95 B	NA	<1000	5.1 B	NA	<20	NA
	3/26/2004	878 J	NA	<0.2	NA	22.5 B	NA	4360 B J	NA	<5	NA	<5	NA	337000	NA	9.8 B J	NA	85.2 B	NA	<1000	3.3 B	NA	<20	NA
	11/3/2004	322	NA	0.047 B	NA	4.3 B	NA	2190 B J	NA	<5	NA	<5	NA	199000	NA	<10	NA	50.1 B	NA	<1000	<7	NA	<20	NA
	11/9/2005	363 J	NA	<0.2	NA	7.4 B J	NA	2050 B J	NA	<5	NA	<5	NA	297000	NA	<10	NA	62.7 B	NA	NA	<7	NA	18.9 B	NA
	11/3/2006	407 J	NA	<0.2	NA	7.8 B	NA	3110 B J	NA	< 5	NA	< 5	NA	268000	NA	< 10	NA	46.8 B	NA	NA	< 7	NA	10.6 B J	NA
	11/9/2007	140 J	NA	< 0.2	NA	< 40	NA	1910 B J	NA	< 5	NA	< 5	NA	349000	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/7/2008	567 J	NA	< 0.2	NA	9.8 B	NA	4000 B	NA	< 5	NA	< 5	NA	379000	NA	< 10	NA	< 100	NA	NA	0.94 B	NA	< 20	NA
	11/12/2009	423	NA	< 0.2	NA	13 B	NA	3130 B	NA	< 5	NA	< 5	NA	452000	NA	< 10	NA	94.1 B	NA	NA	< 7	NA	20 U	NA

Table B-4
Summary of Inorganic Detections in Groundwater,
Seep, and Surface Water Samples
Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Aluminum	Aluminum-DISS	Antimony	Antimony-DISS	Arsenic	Arsenic-DISS	Barium	Barium-DISS	Beryllium	Beryllium-DISS	Cadmium	Cadmium-DISS	Calcium	Calcium-DISS	Chromium	Chromium-DISS	Cobalt	Cobalt-DISS	Copper	Copper-DISS	Cyanide, Total	Hexavalent Chromium	Iron	Iron-DISS	Lead	Lead-DISS	Magnesium	Magnesium-DISS
Groundwater																													
UAW02-40	5/7/2001	213	NA	<10	NA	<10	NA	130 B	NA	<5	NA	<2	NA	98800	99200	<5	NA	<7	NA	<25	NA	<10	NA	4260	100	<3	NA	36100	36000
	11/10/2001	<200	NA	2.5 B	NA	<10	NA	156 B	NA	<5	NA	0.36 B	NA	106000 J	101000 J	<5	NA	<7	NA	<25	NA	<10	NA	3110	122	<3	NA	40000 J	38400 J
	10/17/2002	<200	NA	<10	NA	<10	NA	129 B	NA	<5	NA	<2	NA	98400 J	NA	<5	NA	0.94 B	NA	<25	NA	<10	NA	4080	NA	<3	NA	37600 J	NA
	11/12/2003	<200	NA	<10	NA	<10	NA	117 B J	NA	<5	NA	<2	NA	111000 J	NA	1.4 B	NA	<7	NA	<25	NA	<10	NA	5190	NA	<3	NA	41600 J	NA
	3/26/2004	36.9 B J	NA	<10	NA	<10	NA	135 B	NA	<5	NA	<2	NA	121000 J	NA	<5	NA	<7	NA	<25	NA	<10	NA	6210	NA	<3	NA	44700 J	NA
	11/3/2004	<200	NA	<10	NA	<10	NA	125 B	NA	<5	NA	<2	NA	123000	NA	<5	NA	<7	NA	<25	NA	<10	NA	4680	NA	<3	NA	44800	NA
	11/9/2005	<200	NA	<10	NA	<10	NA	190 B	NA	0.32 B	NA	<2	NA	121000 J	NA	<5	NA	<7	NA	<25	NA	NA	NA	4730	NA	<3	NA	44900	NA
	11/3/2006	< 200	NA	< 10	NA	< 10	NA	136 B	NA	< 5	NA	< 2	NA	106000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	5500	NA	< 3	NA	38100	NA
UAW02-40 (dup)	11/3/2006	< 200	NA	< 10	NA	< 10	NA	136 B	NA	< 5	NA	< 2	NA	106000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	5420	NA	< 3	NA	38100	NA
	11/9/2007	< 200	NA	< 10	NA	< 10	NA	115 B J	NA	< 5	NA	< 2	NA	102000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	3760	NA	< 3	NA	34500 J	NA
	11/18/2008	< 200	NA	< 10	NA	< 10	NA	116 B J	NA	< 5	NA	< 2	NA	120000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	5040	NA	< 3	NA	40400 J	NA
	11/12/2009	< 200	NA	< 10	NA	< 10	NA	117 B	NA	< 5	NA	< 2	NA	115000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	4190	NA	< 3	NA	35800	NA
UAW02-40 dup	11/12/2009	< 200	NA	< 10	NA	< 10	NA	118 B	NA	< 5	NA	< 2	NA	115000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	4340	NA	< 3	NA	35800	NA
UAW03-20	5/7/2001	39.6 B	NA	<10	NA	20.4	NA	422	NA	<5	NA	<2	NA	524000	551000	2.8 B	NA	3.8 B	NA	<25	NA	<10	NA	2490	1650	<3	NA	92100	80300
	11/11/2001	124 B J	NA	<10	NA	17.6	NA	235	NA	<5	NA	<2	NA	219000	210000	3.5 B	NA	10.7	NA	<25	NA	<10	NA	1720	978	<3	NA	37500	36100
	10/23/2002	<200	NA	<10	NA	21 J	NA	250	NA	<5	NA	<2	NA	169000	NA	5.3	NA	4.4 B	NA	3.2 B	NA	<10	NA	2390	NA	<3	NA	34000	NA
	11/12/2003	<200	NA	<10	NA	12.1	NA	185 B J	NA	<5	NA	<2	NA	227000 J	NA	6.7	NA	<7	NA	<25	NA	<10	NA	370	NA	<3	NA	40700 J	NA
	3/28/2004	83.7 B J	NA	<10	NA	9.5 B	NA	227	NA	<5	NA	<2	NA	283000	NA	2.4 B	NA	<7	NA	<25	NA	<10	NA	422	NA	<3	NA	49600	NA
	11/4/2004	75.7 B J	NA	<10	NA	<10	NA	70.1 B	NA	<5	NA	0.5 B J	NA	108000	NA	2 B	NA	1.5 B J	NA	<25	NA	<10	NA	424	NA	<3	NA	19700 J	NA
UAW03-20 (Dup)	11/4/2004	82.3 B J	NA	<10	NA	3.1 B	NA	68.9 B	NA	<5	NA	0.48 B J	NA	107000	NA	<5	NA	1.4 B J	NA	<25	NA	<10	NA	410	NA	<3	NA	19400 J	NA
	11/9/2005	1310	NA	<10	NA	<10	NA	104 B	NA	0.40 B	NA	<2	NA	141000 J	NA	2.8 B	NA	<7	NA	4.8 B J	NA	NA	NA	4550	NA	<3	NA	26300	NA
	11/6/2006	5520	NA	< 10	NA	6.9 B	NA	101 B	NA	0.35 B	NA	1.3 B	NA	121000 J	NA	12.8	NA	5.9 B	NA	27.8 J	NA	NA	NA	9460	NA	22.8	NA	26300	NA
	11/13/2007	5600	NA	< 10	NA	< 10	NA	41.9 B	NA	< 5	NA	< 2	NA	38300 J	NA	11.5	NA	3.7 B	NA	15.6 B	NA	NA	NA	7210	NA	10.2	NA	7480	NA
	11/4/2008	434	NA	< 10	NA	24.2	NA	153 B	NA	< 5	NA	< 2	NA	337000	NA	3.5 B	NA	2.8 B	NA	< 25	NA	NA	NA	17100	NA	< 3	NA	53400	NA
	11/16/2009	1490	NA	< 10	NA	10.3	NA	137 B	NA	< 5	NA	< 2	NA	271000	NA	11.3	NA	3.6 B	NA	13 B	NA	NA	NA	5620	NA	7.1	NA	49700	NA
UAW04-20	5/7/2001	42.6 B	NA	11.9	NA	82.4	NA	771	NA	<5	NA	<2	NA	343000	339000	6	NA	17.3	NA	<25	NA	7.3 B	NA	10500	2410	<3	NA	65600	64000
	11/11/2001	78.5 B J	NA	7.6 B	NA	20.5	NA	600	NA	<5	NA	1.5 B	NA	255000	235000	4 B	NA	7.1	NA	<25	NA	<10	NA	5060	1820	<3	NA	43100	39600
	10/20/2002	82.9 B J	NA	3.7 B	NA	33.5	NA	798	NA	<5	NA	<2	NA	205000 J	NA	6.5	NA	3.2 B	NA	<25	NA	<10	NA	6650	NA	<3	NA	47400	NA
	11/12/2003	<200	NA	<10	NA	26.6	NA	443 J	NA	<5	NA	<2	NA	219000 J	NA	2.8 B	NA	<7	NA	<25	NA	<10	NA	6010	NA	<3	NA	64600 J	NA
	3/28/2004	68.2 B J	NA	27.6	NA	30.8	NA	233	NA	<5	NA	1.2 B	NA	192000	NA	<5	NA	<7	NA	3.4 B J	NA	<10	NA	5230	NA	<3	NA	36700	NA
	11/3/2004	70.1 B J	NA	<10	NA	10.7	NA	129 B	NA	<5	NA	0.31 B J	NA	114000	NA	<5	NA	1.2 B J	NA	<25	NA	<10	NA	1250	NA	<3	NA	21700 J	NA
	11/9/2005	<200	NA	14.9	NA	25.7	NA	299	NA	0.35 B	NA	<2	NA	155000 J	NA	<5	NA	<7	NA	2.5 B J	NA	NA	NA	6340	NA	<3	NA	39800	NA
	11/6/2006	< 200	NA	19.8	NA	22.4	NA	217	NA	< 5	NA	< 2	NA	164000 J	NA	< 5	NA	< 7	NA	2.6 B J	NA	NA	NA	2530	NA	< 3	NA	31900	NA
UAW04-20 (dup)	11/6/2006	< 200	NA	21.4	NA	26	NA	215	NA	< 5	NA	< 2	NA	161000 J	NA	< 5	NA	< 7	NA	3 B J	NA	NA	NA	2730	NA	< 3	NA	31600	NA
	11/3/2008	< 200	NA	6.4 B	NA	15.6	NA	157 B	NA	< 5	NA	< 2	NA	209000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	4300	NA	< 3	NA	49200	NA
	11/16/2009	< 200	NA	56.6	NA	67.9	NA	202	NA	< 5	NA	< 2	NA	229000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	8570	NA	< 3	NA	45900	NA

Table B-4
Summary of Inorganic Detections in Groundwater,
Seep, and Surface Water Samples
Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Manganese	Manganese-DISS	Mercury	Mercury-DISS	Nickel	Nickel-DISS	Potassium	Potassium-DISS	Selenium	Selenium-DISS	Silver	Silver-DISS	Sodium	Sodium-DISS	Thallium	Thallium-DISS	Tin	Tin-DISS	Total Sulfide	Vanadium	Vanadium-DISS	Zinc	Zinc-DISS
Groundwater																								
UAW02-40	5/7/2001	500	NA	<0.2	NA	18.9 B	NA	2420 B	2340 B	<5	NA	<5	NA	99900	99400	<10	NA	NA	NA	<1000	<7	NA	<20	NA
	11/10/2001	652 J	NA	<0.2	NA	31.3 B	NA	2900 B	2860 B	<5	NA	<5	NA	149000 J	145000 J	5.3 B	NA	NA	NA	<1000	<7	NA	<20	NA
	10/17/2002	513 J	NA	<0.2	NA	13.3 B	NA	2530 B J	NA	<5	NA	NA	NA	78400	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	11/12/2003	531 J	NA	<0.2	NA	6.1 B	NA	2150 B J	NA	<5	NA	<5	NA	46200	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	3/26/2004	600 J	NA	<0.2	NA	3.5 B	NA	2550 B J	NA	<5	NA	<5	NA	45000	NA	8.1 B J	NA	<100	NA	420 B	<7	NA	<20	NA
	11/3/2004	612	NA	0.03 B	NA	4.4 B	NA	2060 B J	NA	<5	NA	<5	NA	43000	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	11/9/2005	629 J	NA	<0.2	NA	11.5 B J	NA	2740 B J	NA	<5	NA	<5	NA	183000	NA	<10	NA	<100	NA	NA	<7	NA	<20	NA
	11/3/2006	563 J	NA	<0.2	NA	2.4 B	NA	2280 B J	NA	< 5	NA	< 5	NA	85100	NA	< 10	NA	< 100	NA	NA	< 7	Na	< 20	NA
UAW02-40 (dup)	11/3/2006	563 J	NA	<0.2	NA	2.8 B	NA	2270 B J E	NA	< 5	NA	< 5	NA	85400	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/9/2007	561 J	NA	< 0.2	NA	< 40	NA	1770 B J	NA	< 5	NA	< 5	NA	40600	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/18/2008	610 J	NA	< 0.2	NA	< 40	NA	1810 B J	NA	< 5	NA	< 5	NA	39600	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/12/2009	588	NA	< 0.2	NA	< 40	NA	1760 B	NA	< 5	NA	< 5	NA	37600	NA	< 10	NA	< 100	NA	NA	< 7	NA	20 U	NA
UAW02-40 dup	11/12/2009	592	NA	< 0.2	NA	< 40	NA	1750 B	NA	< 5	NA	< 5	NA	37800	NA	10 U	NA	< 100	NA	NA	< 7	NA	20 U	NA
UAW03-20	5/7/2001	2860	NA	<0.2	NA	39.4 B	NA	8740	8150	<5	NA	<5	NA	308000	289000	10	NA	NA	NA	4000	148	NA	54.7	NA
	11/11/2001	1500	NA	0.3	NA	39.5 B	NA	6010	5920	<5	NA	<5	NA	165000	161000	9.2 B J	NA	NA	NA	3700	36.4	NA	<20	NA
	10/23/2002	1170	NA	<0.2	NA	59.6	NA	4200 B J	NA	<5	NA	NA	NA	187000	NA	6 B	NA	1180	NA	3600	54.7	NA	<20	NA
	11/12/2003	1040 J	NA	<0.2	NA	15.4 B	NA	4230 B J	NA	<5	NA	<5	NA	291000	NA	<10	NA	2400	NA	15000	29.4	NA	<20	NA
	3/28/2004	1230 J	NA	<0.2	NA	8.4 B	NA	5550 J	NA	<5	NA	<5	NA	604000	NA	5.5 B J	NA	2350	NA	11000	25.7	NA	<20	NA
	11/4/2004	567 J	NA	<0.2	NA	5.2 B	NA	2930 B J	NA	<5	NA	<5	NA	143000	NA	8 B	NA	296	NA	6100	7.6	NA	<20	NA
UAW03-20 (Dup)	11/4/2004	557 J	NA	<0.2	NA	5.3 B	NA	2870 B J	NA	<5	NA	<5	NA	140000	NA	5.6 B	NA	291	NA	5400	7.1	NA	<20	NA
	11/9/2005	692 J	NA	<0.2	NA	6.0 B J	NA	3590 B J	NA	<5	NA	<5	NA	233000	NA	<10	NA	180	NA	NA	8.3	NA	29.7	NA
	11/6/2006	900 J	NA	0.12 B	NA	16.5 B	NA	2920 B J	NA	< 5	NA	< 5	NA	81200	NA	< 10	NA	67.9 B	NA	NA	13.6	NA	244 J	NA
	11/13/2007	172	NA	< 0.2	NA	12.4 B	NA	3340 B J	NA	4.4 B	NA	< 5	NA	112000	NA	< 10	NA	57.1 B	NA	NA	11.7	NA	96.1	NA
	11/4/2008	1800	NA	< 0.2	NA	23.1 B	NA	9660 J	NA	< 5	NA	< 5	NA	775000	NA	< 10	NA	1710	NA	NA	13.4	NA	94.8	NA
	11/16/2009	1260	NA	< 0.2	NA	68.2	NA	9500	NA	< 5	NA	< 5	NA	517000	NA	7.2 B	NA	2150	NA	NA	17.7	NA	82.8	NA
UAW04-20	5/7/2001	3170	NA	<0.2	NA	28.9 B	NA	7590	7380	<5	NA	<5	NA	291000	285000	11.7	NA	NA	NA	1100	110	NA	14.8 B MBE	NA
	11/11/2001	2000	NA	<0.2	NA	35.3 B	NA	5790	5350	<5	NA	<5	NA	183000	171000	6.1 B J	NA	NA	NA	1200	65.6	NA	<20	NA
	10/20/2002	1350	NA	<0.2	NA	38.2 B	NA	6210 J	NA	<5	NA	NA	NA	252000	NA	<10	NA	2270	NA	1300	91.5	NA	<20	NA
	11/12/2003	1020 J	NA	<0.2	NA	12.4 B	NA	4380 B J	NA	<5	NA	<5	NA	238000	NA	<10	NA	1280	NA	260 B	20.4	NA	<20	NA
	3/28/2004	5050 J	NA	<0.2	NA	6.2 B	NA	2850 B J	NA	<5	NA	<5	NA	137000	NA	<10	NA	591	NA	1000	7.9	NA	17.9 B	NA
	11/3/2004	1720 J	NA	<0.2	NA	<40	NA	1880 B J	NA	<5	NA	<5	NA	124000	NA	6 B	NA	901	NA	1100	5.7 B	NA	<20	NA
	11/9/2005	1380 J	NA	<0.2	NA	5.1 B J	NA	3170 B J	NA	<5	NA	<5	NA	221000	NA	<10	NA	365	NA	NA	5.0 B	NA	15.9 B	NA
	11/6/2006	4080 J	NA	<0.2	NA	3.7 B	NA	1850 B J	NA	< 5	NA	< 5	NA	143000	NA	8.8 B	NA	285	NA	NA	4.4 B	NA	10.5 B J	NA
UAW04-20 (dup)	11/6/2006	3990 J	NA	<0.2	NA	3.3 B	NA	1830 B J	NA	< 5	NA	< 5	NA	141000	NA	5.2 B	NA	283	NA	NA	4.2 B	NA	10.5 B J	NA
	11/3/2008	1430	NA	< 0.2	NA	7 B	NA	3580 B J	NA	< 5	NA	< 5	NA	232000	NA	< 10	NA	341	NA	NA	1.4 B	NA	8.6 B	NA
	11/16/2009	1610	NA	< 0.2	NA	8.6 B	NA	7560	NA	< 5	NA	< 5	NA	311000	NA	< 10	NA	179	NA	NA	3.9 B	NA	< 20	NA

Table B-4
Summary of Inorganic Detections in Groundwater,
Seep, and Surface Water Samples
Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Aluminum	Aluminum-DISS	Antimony	Antimony-DISS	Arsenic	Arsenic-DISS	Barium	Barium-DISS	Beryllium	Beryllium-DISS	Cadmium	Cadmium-DISS	Calcium	Calcium-DISS	Chromium	Chromium-DISS	Cobalt	Cobalt-DISS	Copper	Copper-DISS	Cyanide, Total	Hexavalent Chromium	Iron	Iron-DISS	Lead	Lead-DISS	Magnesium	Magnesium-DISS
Groundwater																													
UAW05-20	5/6/2001	2550	NA	<10	NA	8.7 B	NA	102 B	NA	<5	NA	<2	NA	338000	391000	8.1	NA	2.2 B	NA	7.8 B	NA	<10	NA	3900	<100	<3	NA	60200	66900
	10/10/2001	189 B	NA	<10	NA	21	NA	67.9 B	NA	<5	NA	<2	NA	292000	334000	7.3	NA	<7	NA	<25	NA	<10	NA	2750	<100	<3	NA	45300	50300
	11/12/2001	558 J	NA	<10	NA	18.7	NA	68.6 B	NA	<5	NA	<2	NA	265000	280000	8.8	NA	1.8 B	NA	5.3 B	NA	<10	NA	2930	<100	<3	NA	49300	45900
	10/20/2002	110 B J	NA	<10	NA	21.8	NA	72.2 B	NA	<5	NA	0.3 B	NA	253000 J	NA	5.1	NA	<7	NA	<25	NA	<10	NA	986	NA	<3	NA	38300	NA
	11/10/2003	<200	NA	<10	NA	16.8	NA	55.9 B J	NA	<5	NA	<2	NA	299000 J	NA	2 B	NA	1.5 B	NA	<25	NA	<10	NA	1020	NA	<3	NA	40200 J	NA
	3/28/2004	102 B J	NA	<10	NA	2.9 B	NA	59.3 B	NA	<5	NA	<2	NA	273000	NA	2.6 B	NA	<7	NA	2.9 B J	NA	<10	NA	948	NA	<3	NA	42500	NA
UAW05-20 (Dup)	3/28/2004	121 B J	NA	<10	NA	2.7 B	NA	63.7 B	NA	<5	NA	<2	NA	295000	NA	4.2 B	NA	<7	NA	3.3 B J	NA	<10	NA	1090	NA	<3	NA	45700	NA
	11/4/2004	103 B J	NA	<10	NA	3.7 B	NA	63.1 B	NA	<5	NA	0.45 B J	NA	253000	NA	3.2 B	NA	1.7 B J	NA	<25	NA	<10	NA	637	NA	<3	NA	38600 J	NA
	11/14/2005	523	NA	<10	NA	45.4	NA	123 B	NA	<5	NA	<2	NA	360000 J	NA	110	NA	2.4 B	NA	4.1 B	NA	NA	NA	4110	NA	<3	NA	65000	NA
	11/9/2006	6760	NA	< 10	NA	17.5	NA	79.2 B	NA	0.59 B	NA	1.1 B	NA	170000 J	NA	421	NA	13	NA	26.1	NA	NA	NA	10600	NA	6.4	NA	33500	NA
	11/15/2007	< 200	NA	< 10	NA	6.5 B	NA	152 B	NA	< 5	NA	< 2	NA	326000	NA	55.6	NA	< 7	NA	< 25	NA	NA	NA	1610	NA	< 3	NA	59300	NA
	11/5/2008	< 200	NA	2.5 B	NA	< 10	NA	262 J	NA	< 5	NA	< 2	NA	515000 J	NA	192	NA	1.7 B	NA	< 25	NA	NA	NA	2420 J	NA	< 3	NA	120000 J	NA
	11/17/2009	< 200	NA	8 B	NA	< 10	NA	92.3 B	NA	< 5	NA	< 2	NA	268000	NA	770	NA	33.5	NA	< 25	NA	NA	NA	50700	NA	< 3	NA	51300	NA
UAW06-20	5/6/2001	754	NA	<10	NA	13.4	NA	105 B	NA	<5	NA	<2	NA	310000	344000	3.9 B	NA	2.6 B	NA	4.5 B	NA	<10	NA	3880	1150	<3	NA	48300	54200
	10/10/2001	391	NA	<10	NA	26.7	NA	132 B	NA	<5	NA	<2	NA	343000	294000	10.8	NA	1.5 B	NA	<25	NA	<10	NA	1330	178	<3	NA	43800	38800
	11/13/2001	330	NA	<10	NA	34.3	NA	154 B	NA	<5	NA	<2	NA	407000 J	376000 J	13.4	NA	<7	NA	<25	NA	4.2 B	NA	1020	<100	<3	NA	58000 J	52800 J
	10/20/2002	126 B J	NA	16.5	NA	30.8	NA	173 B	NA	<5	NA	<2	NA	268000 J	NA	6.2	NA	1.3 B	NA	2.7 B	NA	<10	NA	2580	NA	<3	NA	40800	NA
	11/12/2003	<200	NA	3.3 B	NA	17.8	NA	139 B J	NA	<5	NA	<2	NA	221000 J	NA	3.2 B	NA	<7	NA	<25	NA	<10	NA	1170	NA	<3	NA	35700 J	NA
	3/29/2004	91.7 B J	NA	<10	NA	20.7	NA	135 B	NA	<5	NA	<2	NA	229000	NA	3.3 B	NA	<7	NA	<25	NA	<10	<20	647	NA	<3	NA	41300	NA
	11/4/2004	84.9 B J	NA	<10	NA	20.4	NA	132 B	NA	<5	NA	0.34 B J	NA	305000	NA	<5	NA	1.5 B J	NA	<25	NA	<10	NA	2630	NA	<3	NA	45700 J	NA
	11/15/2005	<200	NA	<10	NA	21.7	NA	113 B	NA	0.45 U	NA	<2	NA	312000	NA	<5	NA	<7	NA	4.2 B	NA	NA	NA	3120	NA	<3	NA	44700	NA
	11/9/2006	999	NA	< 10	NA	16.5	NA	71.6 B	NA	0.36 B	NA	0.53 B	NA	251000 J	NA	5.7	NA	2.3 B	NA	20.3 B	NA	NA	NA	4210	NA	< 3	NA	35200	NA
	11/15/2007	< 200	NA	< 10	NA	< 10	NA	114 B	NA	< 5	NA	< 2	NA	418000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	252	NA	< 3	NA	54600	NA
	11/4/2008	< 200	NA	< 10	NA	5.8 B	NA	190 B	NA	< 5	NA	< 2	NA	341000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	428	NA	< 3	NA	59600	NA
	11/17/2009	< 200	NA	< 10	NA	4.4 B	NA	91.9 B	NA	< 5	NA	< 2	NA	225000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	168	NA	< 3	NA	39300	NA
UAW07-20	5/8/2001	NA	NA	<10	NA	<10	NA	90.3 B	NA	<5	NA	<2	NA	466000	453000	1.6 B	NA	<7	NA	<25	NA	<10	NA	270	<100	<3	NA	58000	57200
UAW07-20 (Dup)	5/8/2001	NA	NA	<10	NA	4.6 B	NA	95.8 B	NA	<5	NA	0.32 B	NA	496000	479000	<5	NA	<7	NA	<25	NA	<10	NA	303	<100	<3	NA	61600	60400
	11/15/2001	NA	NA	<10	NA	<10	NA	80.4 B	NA	<5	NA	<2	NA	NA	421000	<5	NA	<7	NA	87.7	NA	3.1 B	NA	NA	<100	<3	NA	NA	55200
	10/20/2002	111 B J	NA	<10	NA	3 B	NA	79.6 B	NA	<5	NA	0.39 B	NA	374000 J	NA	3.3 B	NA	<7	NA	<25	NA	<10	NA	174	NA	<3	NA	48700	NA
	11/12/2003	280	NA	<10	NA	4.9 B	NA	83.9 B J	NA	0.55 B	NA	<2	NA	391000 J	NA	3.3 B	NA	<7	NA	<25	NA	<10	NA	787 J	NA	3.7	NA	51400	NA
UAW07-20 (Dup)	11/12/2003	106 B	NA	<10	NA	3.4 B	NA	70.6 B J	NA	<5	NA	<2	NA	350000 J	NA	1.8 B	NA	<7	NA	<25	NA	<10	NA	506 J	NA	<3	NA	45100	NA
	4/5/2004	238 J	NA	<10	NA	2.6 B	NA	40.3 B J	NA	<5	NA	<2	NA	263000	NA	3.2 B	NA	<7	NA	<25	NA	<10	NA	1050	NA	<3	NA	36600 J	NA
	11/4/2004	50.7 B	NA	<10	NA	2.9 B	NA	75.4 B	NA	<5	NA	<2	NA	408000	NA	2.1 B	NA	<7	NA	<25	NA	<10	NA	55.5 B	NA	<3	NA	48700 J	NA
	11/15/2005	124 B	NA	<10	NA	<10	NA	81.2 B	NA	0.65 U	NA	0.87 B	NA	435000	NA	16.1	NA	<7	NA	<25	NA	NA	NA	454	NA	<3	NA	544000	NA
	11/6/2006	560	NA	< 10	NA	< 10	NA	32.7 B	NA	< 5	NA	4.1	NA	197000 J	NA	50.3	NA	< 7	NA	19 B J	NA	NA	NA	1820	NA	< 3	NA	30100	NA
	11/15/2007	< 200	NA	< 10	NA	< 10	NA	85.8 B	NA	< 5	NA	< 2	NA	408000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	51900	NA
	11/4/2008	< 200	NA	< 10	NA	4.6 B	NA	103 B	NA	< 5	NA	< 2	NA	469000	NA	7.3	NA	< 7	NA	< 25	NA	NA	NA	243	NA	< 3	NA	60400	NA
	11/16/2009	< 200	NA	< 10	NA	< 10	NA	82 B	NA	< 5	NA	< 2	NA	375000	NA	12.6	NA	< 7	NA	< 25	NA	NA	NA	326	NA	< 3	NA	61800	NA

Table B-4
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Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Manganese	Manganese-DISS	Mercury	Mercury-DISS	Nickel	Nickel-DISS	Potassium	Potassium-DISS	Selenium	Selenium-DISS	Silver	Silver-DISS	Sodium	Sodium-DISS	Thallium	Thallium-DISS	Tin	Tin-DISS	Total Sulfide	Vanadium	Vanadium-DISS	Zinc	Zinc-DISS
Groundwater																								
UAW05-20	5/6/2001	938	NA	<0.2	NA	15 B	NA	7020	7400	<5	NA	<5	NA	353000	395000	5.4 B	NA	NA	NA	<1000	6.6 B	NA	108 MBD	NA
	10/10/2001	901	NA	<0.2	NA	57.3	NA	3900 B J	4290 B J	<5	NA	<5	NA	219000	245000	8.1 B	NA	425	NA	4300	3 B	NA	<20	NA
	11/12/2001	802	NA	<0.2	NA	24.9 B	NA	4480 B L	4270 B	<5	NA	<5	NA	254000	236000	11.8 J	NA	NA	NA	5000	3.1 B	NA	<20	NA
	10/20/2002	732	NA	<0.2	NA	39.5 B	NA	5230 J	NA	<5	NA	NA	NA	244000	NA	<10	NA	569	NA	10000	5.8 B	NA	<20	NA
	11/10/2003	772 J	NA	<0.2	NA	92	NA	3010 B J	NA	<5	NA	<5	NA	106000	NA	<10	NA	223	NA	<1000	5.8 B	NA	<20	NA
	3/28/2004	820 J	NA	<0.2	NA	4.3 B	NA	2640 B J	NA	<5	NA	<5	NA	149000	NA	<10	NA	99.9 B	NA	5000	0.81 B	NA	<20	NA
UAW05-20 (Dup)	3/28/2004	873 J	NA	<0.2	NA	7.6 B	NA	2870 B J	NA	<5	NA	<5	NA	162000	NA	5.2 B J	NA	107	NA	2200	0.92 B	NA	<20	NA
	11/4/2004	843 J	NA	<0.2	NA	26.1 B	NA	3670 B J	NA	<5	NA	<5	NA	249000	NA	<10	NA	257	NA	12000	2.2 B	NA	<20	NA
	11/14/2005	929 J	NA	<0.2	NA	300	NA	6410	NA	<5	NA	<5	NA	471000	NA	<10	NA	455	NA	NA	10.9	NA	7.3 U	NA
	11/9/2006	636 J	NA	0.091 B	NA	662	NA	5110 J	NA	< 5	NA	< 5	NA	190000	NA	< 10	NA	204	NA	NA	17.8	NA	48.5 J	NA
	11/15/2007	851	NA	< 0.2	NA	37.9 B	NA	9390 J	NA	< 5	NA	< 5	NA	495000	NA	7.2 B	NA	746	NA	NA	4 B	NA	7.7 B	NA
	11/5/2008	1310	NA	< 0.2	NA	82.6	NA	13300 J	NA	< 5	NA	< 5	NA	877000	NA	< 10	NA	3790	NA	NA	9.4	NA	< 20	NA
	11/17/2009	1620	NA	< 0.2	NA	3600	NA	7010	NA	< 5	NA	< 5	NA	465000	NA	6.8 B	NA	891	NA	NA	< 7	NA	< 20	NA
UAW06-20	5/6/2001	1580	NA	<0.2	NA	29.6 B	NA	7400	8270	<5	NA	<5	NA	218000	245000	<10	NA	NA	NA	<1000	127	NA	15.7 B MBE	NA
	10/10/2001	2590	NA	<0.2	NA	25 B	NA	6430 J	5480 J	<5	NA	<5	NA	309000	264000	5.6 B	NA	NA	NA	2300	106	NA	22.8	NA
	11/13/2001	3000 J	NA	<0.2	NA	24.5 B	NA	6820 J	6190 J	<5	NA	<5	NA	368000 J	335000 J	<10	NA	NA	NA	7200	119	NA	21.9 J	NA
	10/20/2002	1410	NA	<0.2	NA	28.3 B	NA	5610 J	NA	<5	NA	NA	NA	407000	NA	<10	NA	11100	NA	7800	76.4	NA	19 B	NA
	11/12/2003	1040 J	NA	<0.2	NA	12.6 B	NA	4920 B J	NA	<5	NA	<5	NA	391000	NA	<10	NA	6040	NA	11000	35.8	NA	<20	NA
	3/29/2004	1160 J	NA	<0.2	NA	7.4 B	NA	3870 B J	NA	<5	NA	<5	NA	460000	NA	<10	NA	3700	NA	6300	32.2	NA	<20	NA
	11/4/2004	1480 J	NA	<0.2	NA	7 B	NA	4900 B J	NA	<5	NA	<5	NA	332000	NA	12.2	NA	2460	NA	6100	20.2	NA	<20	NA
	11/15/2005	1550	NA	<0.2	NA	15.0 B	NA	5210 J	NA	<5	NA	<5	NA	341000	NA	<10	NA	2010	NA	NA	26.9	NA	20	NA
	11/9/2006	1370 J	NA	<0.2	NA	11.8 B	NA	4420 B J	NA	< 5	NA	< 5	NA	220000	NA	< 10	NA	1440	NA	NA	13.3	NA	22.8 J	NA
	11/15/2007	3660	NA	< 0.2	NA	< 40	NA	10200 J	NA	< 5	NA	< 5	NA	279000	NA	< 10	NA	431	NA	NA	9.7	NA	< 20	NA
	11/4/2008	1790	NA	0.13 B	NA	7.9 B	NA	9300 J	NA	< 5	NA	< 5	NA	727000	NA	5.9 B	NA	848	NA	NA	12	NA	14 B	NA
	11/17/2009	1100	NA	< 0.2	NA	6.8 B	NA	6480	NA	< 5	NA	< 5	NA	349000	NA	< 10	NA	1340	NA	NA	10.3	NA	20 U	NA
UAW07-20	5/8/2001	NA	NA	<0.2	NA	2.5 B	NA	11500	10800	<5	NA	<5	NA	413000	397000	10.6	NA	866	NA	5800	3.2 B	NA	12.4 B	NA
UAW07-20 (Dup)	5/8/2001	NA	NA	<0.2	NA	2.3 B	NA	12100	11600	<5	NA	<5	NA	432000	417000	8.3 B	NA	1010	NA	7500	3.9 B	NA	<20	NA
	11/15/2001	NA	NA	<0.2	NA	2.3 B	NA	NA	10800	<5	NA	<5	NA	NA	395000	9.6 B J	NA	706 L	NA	1600	3.1 B	NA	<20	NA
	10/20/2002	729	NA	<0.2	NA	<40	NA	11800 J	NA	<5	NA	NA	NA	374000	NA	<10	NA	778	NA	14000	3.8 B	NA	<20	NA
	11/12/2003	885 J	NA	<0.2	NA	4.2 B	NA	11600 J	NA	<5	NA	<5	NA	406000	NA	<10	NA	591	NA	21000	2.5 B	NA	31.3 J	NA
UAW07-20 (Dup)	11/12/2003	781 J	NA	<0.2	NA	2.4 B	NA	10100 J	NA	<5	NA	<5	NA	362000	NA	<10	NA	526	NA	25000	2.1 B	NA	<20	NA
	4/5/2004	1410	NA	<0.2	NA	2.5 B	NA	5750 J	NA	<5	NA	<5	NA	228000	NA	6.8 B	NA	180	NA	11000	2.2 B	NA	<20	NA
	11/4/2004	852 J	NA	<0.2	NA	<40	NA	11100	NA	<5	NA	<5	NA	468000	NA	4.8 B	NA	574	NA	22000	2.7 B	NA	<20	NA
	11/15/2005	1000	NA	<0.2	NA	3.6 B	NA	11700 J	NA	<5	NA	<5	NA	514000	NA	<10	NA	819	NA	NA	3.1 B	NA	<20	NA
	11/6/2006	813 J	NA	<0.2	NA	9.8 B	NA	5190 J	NA	< 5	NA	< 5	NA	191000	NA	< 10	NA	237	NA	NA	2.7 B	NA	25.6 J	NA
	11/15/2007	768	NA	< 0.2	NA	< 40	NA	11200 J	NA	< 5	NA	< 5	NA	529000	NA	5.5 B	NA	746	NA	NA	2.2 B	NA	< 20	NA
	11/4/2008	1510	NA	< 0.2	NA	< 40	NA	13600 J	NA	< 5	NA	< 5	NA	778000	NA	4.9 B	NA	733	NA	NA	3.2 B	NA	20.6	NA
	11/16/2009	1130	NA	< 0.2	NA	4 B	NA	11000	NA	< 5	NA	< 5	NA	559000	NA	< 10	NA	551	NA	NA	1.7 B	NA	20 U	NA

Table B-4
Summary of Inorganic Detections in Groundwater,
Seep, and Surface Water Samples
Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Aluminum	Aluminum-DISS	Antimony	Antimony-DISS	Arsenic	Arsenic-DISS	Barium	Barium-DISS	Beryllium	Beryllium-DISS	Cadmium	Cadmium-DISS	Calcium	Calcium-DISS	Chromium	Chromium-DISS	Cobalt	Cobalt-DISS	Copper	Copper-DISS	Cyanide, Total	Hexavalent Chromium	Iron	Iron-DISS	Lead	Lead-DISS	Magnesium	Magnesium-DISS
Groundwater																													
UAW08-20	5/6/2001	NA	NA	3.8 B	NA	36.2	NA	87.3 B	NA	<5	NA	0.44 B	NA	810000	925000	15	NA	8.7	NA	13.8 B	NA	<10	NA	4680	<100	<3	NA	179000	203000
	11/13/2001	NA	NA	<10	NA	113	NA	144 B	NA	0.96 B	NA	0.61 B	NA	969000 J	935000 J	67.6	NA	15	NA	41.9	NA	<10	NA	22000	132	15.8	NA	141000 J	129000 J
	10/20/2002	172 B J	NA	6.8 B	NA	88.4	NA	82 B	NA	<5	NA	<2	NA	988000 J	NA	28.3	NA	2 B	NA	<25	NA	<10	NA	2670	NA	<3	NA	142000	NA
	11/10/2003	31000	NA	7.8 B	NA	200	NA	262 J	NA	1.3 B	NA	21.7	NA	1040000 J	NA	173	NA	41.7	NA	333	NA	<10	NA	95500	NA	79.2	NA	289000 J	NA
	3/29/2004	193 B J	NA	4.9 B	NA	68.7	NA	73 B	NA	<5	NA	<2	NA	955000	NA	24.3	NA	1.6 B	NA	3.7 B J	NA	<10	NA	1020	NA	<3	NA	141000	NA
	11/4/2004	105 B J	NA	<10	NA	75.2	NA	84.9 B	NA	<5	NA	2.7 J	NA	1020000	NA	27.7	NA	2.9 B J	NA	<25	NA	<10	NA	1160	NA	<3	NA	134000 J	NA
	11/15/2005	84.5 B	NA	5.1 B	NA	79.7	NA	91.4 B	NA	0.45 U	NA	<2	NA	952000	NA	24.9	NA	1.8 B	NA	<25	NA	NA	NA	2240	NA	<3	NA	135000	NA
	11/9/2006	3560	NA	< 10	NA	74.3	NA	93.7 B	NA	0.58 B	NA	4.4	NA	834000 J	NA	37.8	NA	5.6 B	NA	41.9	NA	NA	NA	11200	NA	4.2	NA	143000	NA
	11/7/2007	< 200	NA	< 10	NA	44.2	NA	78 B J	NA	< 5	NA	< 2	NA	883000 J	NA	22.9	NA	< 7	NA	5 B	NA	NA	NA	313	NA	< 3	NA	147000 J	NA
	11/4/2008	< 200	NA	4.8 B	NA	44.3	NA	86.6 B	NA	< 5	NA	< 2	NA	1020000	NA	28	NA	< 7	NA	< 25	NA	NA	NA	131	NA	< 3	NA	154000	NA
UAW08-20 Dup	11/4/2008	< 200	NA	4.5 B	NA	43.7	NA	89 B	NA	< 5	NA	< 2	NA	1030000	NA	27.2	NA	< 7	NA	6.5 B	NA	NA	NA	130	NA	< 3	NA	154000	NA
	11/16/2009	< 200	NA	4.1 B	NA	32.1	NA	93.6 B	NA	< 5	NA	< 2	NA	922000	NA	23.2	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	140000	NA
UAW09-20	5/5/2001	90.6 B	NA	<10	NA	<10	NA	80.3 B	NA	<5	NA	<2	NA	108000	106000	<5	NA	<7	NA	<25	NA	<10	NA	<100	<100	<3	NA	31000	31500
	11/9/2001	<200	NA	<10	NA	<10	NA	78.7 B	NA	<5	NA	<2	NA	109000 J	101000 J	10.4	NA	1.4 B	NA	<25	NA	<10	NA	288	212	<3	NA	25000 J	23100 J
	10/16/2002	<200	NA	<10	NA	<10	NA	84.7 B	NA	<5	NA	0.85 B	NA	107000 J	NA	24.8	NA	1.2 B J	NA	<25	NA	<10	NA	130	NA	<3	NA	24900 J	NA
	11/11/2003	<200	NA	<10	NA	<10	NA	95.8 B J	NA	<5	NA	<2	NA	143000 J	NA	21.2	NA	<7	NA	<25	NA	<10	NA	76.4 B	NA	<3	NA	33500 J	NA
	4/6/2004	<200	NA	<10	NA	<10	NA	65.5 B J	NA	<5	NA	<2	NA	110000	NA	22.5	NA	<7	NA	<25	NA	<10	NA	62.5 B	NA	<3	NA	26300 J	NA
	11/6/2004	<200	NA	<10	NA	6.2 B	NA	363	NA	<5	NA	<2	NA	103000	NA	4 B	NA	<7	NA	6.7 B	NA	<10	NA	<100	NA	<3	NA	34200	NA
	11/9/2005	<200	NA	<10	NA	<10	NA	110 B	NA	0.42 B	NA	<2	NA	137000 J	NA	28.2	NA	<7	NA	<25	NA	NA	NA	118	NA	<3	NA	38200	NA
	11/3/2006	< 200	NA	< 10	NA	< 10	NA	64.6 B	NA	< 5	NA	< 2	NA	99000 J	NA	53.5	NA	< 7	NA	1.8 B J	NA	NA	NA	374	NA	< 3	NA	26300	NA
	11/15/2007	< 200	NA	< 10	NA	< 10	NA	81.9 B	NA	< 5	NA	< 2	NA	133000	NA	40.1	NA	6.5 B	NA	< 25	NA	NA	NA	1580	NA	< 3	NA	34700	NA
	11/12/2008	< 200	NA	2.6 B	NA	< 10	NA	76.2 B	NA	< 5	NA	< 2	NA	126000 J	NA	143	NA	2.1 B	NA	< 25	NA	NA	NA	1430	NA	< 3	NA	35100 J	NA
	11/18/2009	< 200	NA	< 10	NA	< 10	NA	45.7 B	NA	< 5	NA	< 2	NA	77900	NA	27.1	NA	< 7	NA	< 25	NA	NA	NA	202	NA	< 3	NA	20700	NA
UAW09-60	5/5/2001	142 B	NA	<10	NA	<10	NA	249	NA	<5	NA	<2	NA	91900	99300	<5	NA	<7	NA	13.7 B	NA	<10	NA	132	<100	<3	NA	31500	35300
	11/9/2001	30.4 B	NA	<10	NA	<10	NA	268	NA	<5	NA	<2	NA	88100 J	97800 J	<5	NA	<7	NA	<25	NA	<10	NA	<100	<100	<3	NA	31500 J	34900 J
	10/16/2002	<200	NA	<10	NA	5.6 B	NA	330	NA	<5	NA	<2	NA	82200 J	NA	<5	NA	1.4 B J	NA	<25	NA	<10	NA	140	NA	<3	NA	28700 J	NA
	11/11/2003	<200	NA	<10	NA	5 B	NA	364 J	NA	<5	NA	<2	NA	104000 J	NA	2 B	NA	<7	NA	<25	NA	<10	NA	71.6 B	NA	<3	NA	34900 J	NA
	4/6/2004	<200	NA	<10	NA	9.7 B	NA	411 J	NA	<5	NA	<2	NA	112000	NA	<5	NA	<7	NA	<25	NA	<10	NA	149	NA	<3	NA	36700 J	NA
	11/6/2004	<200	NA	<10	NA	<10	NA	73.4 B	NA	<5	NA	<2	NA	110000	NA	8.5	NA	<7	NA	3.8 B	NA	<10	NA	<100	NA	<3	NA	30500	NA
	11/9/2005	<200	NA	<10	NA	<10	NA	361	NA	0.35 B	NA	<2	NA	104000 J	NA	5.2	NA	<7	NA	<25	NA	NA	NA	<100	NA	<3	NA	35900	NA
	11/3/2006	< 200	NA	< 10	NA	6 B	NA	370	NA	< 5	NA	< 2	NA	111000 J	NA	2.3 B	NA	< 7	NA	3.3 B J	NA	NA	NA	< 100	NA	< 3	NA	37300	NA
	11/15/2007	< 200	NA	< 10	NA	7.4 B	NA	351	NA	< 5	NA	< 2	NA	107000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	100	NA	< 3	NA	36200	NA
UAW09-60 dup	11/15/2007	< 200	NA	< 10	NA	7.5 B	NA	354	NA	< 5	NA	< 2	NA	108000	NA	2.8 B	NA	< 7	NA	< 25	NA	NA	NA	119	NA	< 3	NA	36600	NA
	11/12/2008	< 200	NA	2.6 B	NA	9.1 B	NA	329	NA	< 5	NA	< 2	NA	107000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	37000 J	NA
	11/18/2009	< 200	NA	< 10	NA	5.4 B	NA	290	NA	< 5	NA	< 2	NA	105000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	36500	NA

Table B-4
Summary of Inorganic Detections in Groundwater,
Seep, and Surface Water Samples
Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Manganese	Manganese-DISS	Mercury	Mercury-DISS	Nickel	Nickel-DISS	Potassium	Potassium-DISS	Selenium	Selenium-DISS	Silver	Silver-DISS	Sodium	Sodium-DISS	Thallium	Thallium-DISS	Tin	Tin-DISS	Total Sulfide	Vanadium	Vanadium-DISS	Zinc	Zinc-DISS
Groundwater																								
UAW08-20	5/6/2001	NA	NA	<0.2	NA	30.5 B	NA	17700	20200	<5	NA	<5	NA	523000	596000	9.8 B	NA	3420	NA	3100	11.2	NA	45.1 MBD	NA
	11/13/2001	NA	NA	<0.2	NA	53.4	NA	21300 J	18900 J L	<5	NA	<5	NA	401000 J	400000 J	<10	NA	6090	NA	7900	27.1	NA	132 J	NA
	10/20/2002	596	NA	<0.2	NA	11.5 B	NA	17400 J	NA	<5	NA	NA	NA	407000	NA	7.1 B	NA	6110	NA	22000	13	NA	21.8	NA
	11/10/2003	2310 J	NA	<0.2	NA	118	NA	20900 J	NA	<5	NA	<5	NA	539000	NA	5.9 B	NA	4500	NA	69000	74.7	NA	352 J	NA
	3/29/2004	550 J	NA	<0.2	NA	8.5 B	NA	18100 J	NA	<5	NA	<5	NA	691000	NA	<10	NA	6410	NA	16000	10	NA	20.5	NA
	11/4/2004	632 J	NA	<0.2	NA	7.9 B	NA	17700 J	NA	<5	NA	<5	NA	493000	NA	8.4 B	NA	5740	NA	<1000	12	NA	14.3 B	NA
	11/15/2005	679	NA	<0.2	NA	10.8 B	NA	18600 J	NA	3.8 B	NA	<5	NA	550000	NA	<10	NA	6070	NA	NA	11.7	NA	19.5 B	NA
	11/9/2006	613 J	NA	<0.2	NA	17.9 B	NA	18200 J	NA	< 5	NA	< 5	NA	529000	NA	< 10	NA	4950	NA	NA	19.5	NA	49.4 J	NA
	11/7/2007	222 J	NA	< 0.2	NA	4.7 B	NA	17200 J	NA	< 5	NA	< 5	NA	562000	NA	< 10	NA	5940 J	NA	NA	< 7	NA	14.9 B J	NA
	11/4/2008	325	NA	< 0.2	NA	4.3 B	NA	18200 J	NA	< 5	NA	< 5	NA	787000	NA	< 10	NA	7610	NA	NA	6.3 B	NA	17.4 B	NA
UAW08-20 Dup	11/4/2008	322	NA	< 0.2	NA	< 40	NA	18300 J	NA	< 5	NA	< 5	NA	819000	NA	< 10	NA	7340	NA	NA	6.9 B	NA	17.8 B	NA
	11/16/2009	332	NA	< 0.2	NA	4 B	NA	18300	NA	< 5	NA	< 5	NA	907000	NA	5.1 B	NA	6890	NA	NA	5.1 B	NA	20 U	NA
UAW09-20	5/5/2001	12.4 B	NA	<0.2	NA	<40	NA	1720 B	1850 B	<5	NA	<5	NA	63200	62400	<10	NA	NA	NA	<1000	<7	NA	<20	NA
	11/9/2001	17.1 J	NA	<0.2	NA	81.9	NA	2420 B	2220 B	<5	NA	<5	NA	92500 J	84300 J	<10	NA	NA	NA	1800	<7	NA	<20	NA
	10/16/2002	3.6 B J	NA	<0.2	NA	10.8 B	NA	2880 B J	NA	<5	NA	NA	NA	59500	NA	8.8 B	NA	<100	NA	970 B J	0.82 B	NA	<20	NA
	11/11/2003	1.1 B J	NA	<0.2	NA	10.4 B	NA	2130 B J	NA	<5	NA	<5	NA	83800	NA	<10	NA	<100	NA	<1000	<7	NA	16.8 B J	NA
	4/6/2004	1.4 B	NA	<0.2	NA	6.6 B	NA	1760 B J	NA	<5	NA	<5	NA	65000	NA	5.7 B	NA	18.5 B	NA	960 B	<7	NA	<20	NA
	11/6/2004	121 J	NA	<0.2	NA	6.4 B	NA	1370 B J	NA	<5	NA	<5	NA	17900	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	11/9/2005	3 B J	NA	<0.2	NA	15.3 B J	NA	2000 B J	NA	3.7 B	NA	<5	NA	117000	NA	7.3 B J	NA	<100	NA	NA	<7	NA	<20	NA
	11/3/2006	23.8 J	NA	<0.2	NA	78.9	NA	1500 B J	NA	< 5	NA	< 5	NA	63900	NA	< 10	NA	5.4 B	NA	NA	< 7	NA	< 20	NA
	11/15/2007	112	NA	< 0.2	NA	416	NA	1410 B J	NA	< 5	NA	< 5	NA	62900	NA	6 B	NA	3.4 B	NA	NA	< 7	NA	< 20	NA
	11/12/2008	23.9 J	NA	< 0.2	NA	133	NA	1390 B	NA	< 5	NA	< 5	NA	35600	NA	< 10	NA	< 100	NA	NA	0.94 B	NA	< 20	NA
	11/18/2009	6.7 B	NA	< 0.2	NA	48.5	NA	1450 B	NA	< 5	NA	< 5	NA	50900	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
UAW09-60	5/5/2001	348	NA	<0.2	NA	5.5 B	NA	1400 B	1610 B	<5	NA	<5	NA	17600	14700	<10	NA	NA	NA	<1000	<7	NA	<20	NA
	11/9/2001	226 J	NA	<0.2	NA	<40	NA	1740 B	1930 B	<5	NA	<5	NA	22800 J	24500 J	6 B	NA	NA	NA	1500	<7	NA	<20	NA
	10/16/2002	298 J	NA	<0.2	NA	22.7 B	NA	2020 B J E	NA	<5	NA	NA	NA	23900	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	11/11/2003	236 J	NA	<0.2	NA	19.5 B	NA	1970 B J	NA	<5	NA	<5	NA	20600	NA	<10	NA	<100	NA	260 B	<7	NA	<20	NA
	4/6/2004	311	NA	<0.2	NA	9.4 B	NA	1540 B J	NA	<5	NA	<5	NA	16800	NA	5 B	NA	<100	NA	1100	<7	NA	<20	NA
	11/6/2004	<15	NA	<0.2	NA	6.1 B	NA	1770 B J	NA	<5	NA	<5	NA	56700	NA	<10	NA	<100	NA	<1000	<7	NA	39.1	NA
	11/9/2005	12.3 B J	NA	<0.2	NA	6 B J	NA	1370 B J	NA	<5	NA	<5	NA	16100	NA	<10	NA	<100	NA	NA	<7	NA	<20	NA
	11/3/2006	121 J	NA	<0.2	NA	2.2 B	NA	1350 B J	NA	< 5	NA	< 5	NA	15900	NA	5.3 B	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/15/2007	143	NA	< 0.2	NA	< 40	NA	1560 B J	NA	< 5	NA	< 5	NA	14800	NA	6.6 B	NA	< 100	NA	NA	< 7	NA	< 20	NA
UAW09-60 dup	11/15/2007	151	NA	< 0.2	NA	< 40	NA	1550 B J	NA	< 5	NA	< 5	NA	15100	NA	7.7 B	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/12/2008	173 J	NA	< 0.2	NA	< 40	NA	1390 B	NA	< 5	NA	< 5	NA	14100	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/18/2009	154	NA	< 0.2	NA	< 40	NA	1280 B	NA	< 5	NA	< 5	NA	14200	NA	5 B	NA	< 100	NA	NA	< 7	NA	< 20	NA

Table B-4
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Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Aluminum	Aluminum-DISS	Antimony	Antimony-DISS	Arsenic	Arsenic-DISS	Barium	Barium-DISS	Beryllium	Beryllium-DISS	Cadmium	Cadmium-DISS	Calcium	Calcium-DISS	Chromium	Chromium-DISS	Cobalt	Cobalt-DISS	Copper	Copper-DISS	Cyanide, Total	Hexavalent Chromium	Iron	Iron-DISS	Lead	Lead-DISS	Magnesium	Magnesium-DISS
Groundwater																													
UAW10-50	10/12/2001	32800	NA	<10	NA	19.2	NA	281	NA	1.9 B	NA	0.97 B	NA	271000	193000	46.7	NA	23.9	NA	61.6	NA	3 B	NA	49200	<100	21.3	NA	73100	54600
	11/13/2001	318	NA	<10	NA	<10	NA	107 B	NA	<5	NA	<2	NA	185000 J	176000 J	<5	NA	2.2 B	NA	12.3 B	NA	<10	NA	346	<100	<3	NA	55000 J	52400 J
	10/19/2002	3070 J	NA	<10	NA	<10	NA	68.1 B	NA	<5	NA	<2	NA	176000 J	NA	12.1	NA	4.4 B	NA	15.3 B	NA	2.1 B	NA	4490	NA	2.2 B	NA	58500	NA
	11/10/2003	2350	NA	<10	NA	<10	NA	60.3 B J	NA	<5	NA	<2	NA	196000 J	NA	4.3 B	NA	3.2 B	NA	4.9 B	NA	<10	NA	2810	NA	<3	NA	65200 J	NA
	3/30/2004	2610 J	NA	<10	NA	3 B	NA	55.9 B	NA	<5	NA	<2	NA	209000	NA	5	NA	3.6 B	NA	10.1 B	NA	<10	NA	3600	NA	<3	NA	60400	NA
	11/5/2004	2020	NA	<10	NA	<10	NA	51.8 B	NA	<5	NA	<2	NA	193000	NA	4.6 B	NA	3.1 B	NA	10.3 B	NA	<10	NA	2760	NA	<3	NA	57200	NA
	11/11/2005	2930	NA	<10	NA	<10	NA	55.0 B	NA	0.30 B	NA	<2	NA	184000 J	NA	4.3 B	NA	3.2 B	NA	11.2 B	NA	NA	NA	4060	NA	<3	NA	58300	NA
	11/9/2006	5830	NA	< 10	NA	< 10	NA	83.2 B	NA	0.63 B	NA	< 2	NA	181000 J	NA	9.4	NA	5.8 B	NA	13.1 B	NA	NA	NA	8200	NA	4.2	NA	48800	NA
	11/12/2007	112 J	NA	< 10	NA	< 10	NA	385	NA	< 5	NA	< 2	NA	105000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	574 J	NA	< 3	NA	31200	NA
UAW10-50 dup	11/12/2007	1270 J	NA	4.5 B	NA	< 10	NA	49.6 B	NA	< 5	NA	< 2	NA	139000	NA	2.8 B	NA	< 7	NA	< 25	NA	NA	NA	1190 J	NA	< 3	NA	36400	NA
	11/12/2008	318	NA	11.8	NA	< 10	NA	70.1 B	NA	< 5	NA	< 2	NA	184000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	550	NA	< 3	NA	55400 J	NA
UAW10-50 dup	11/12/2008	435	NA	1.9 B	NA	< 10	NA	67.2 B	NA	< 5	NA	< 2	NA	180000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	725	NA	< 3	NA	54600 J	NA
	11/20/2009	113 B	NA	< 10	NA	< 10	NA	42.6 B	NA	< 5	NA	< 2	NA	173000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	112	NA	< 3	NA	57600	NA
UAW10-50 dup	11/20/2009	97.3 B	NA	< 10	NA	< 10	NA	42.4 B	NA	< 5	NA	< 2	NA	173000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	140	NA	< 3	NA	57400	NA
UAW10-80	10/12/2001	1670	NA	<10	NA	5.1 B	NA	131 B	NA	<5	NA	<2	NA	181000	191000	34.8	NA	6.3 B	NA	10.1 B	NA	2.6 B	NA	4990	5360	<3	NA	57700	61000
	11/13/2001	503	NA	<10	NA	6.1 B	NA	118 B	NA	<5	NA	0.58 B	NA	192000 J	196000 J	<5	NA	3.5 B	NA	5.8 B	NA	<10	NA	6130	190	<3	NA	59700 J	60900 J
	10/19/2002	4030 J	NA	<10	NA	13.3	NA	183 B	NA	<5	NA	0.36 B	NA	117000 J	NA	25.8	NA	5.5 B	NA	6.5 B	NA	<10	NA	13200	NA	4.8	NA	37100	NA
	11/13/2003	11000	NA	<10	NA	19.5	NA	279 J	NA	1.1 B	NA	<2	NA	142000 J	NA	171	NA	12	NA	16.5 B	NA	<10	NA	24100 J	NA	9.5	NA	43100	NA
	3/30/2004	988 J	NA	<10	NA	11.5	NA	193 B	NA	<5	NA	<2	NA	132000	NA	8.1	NA	3.3 B	NA	5.8 B	NA	<10	NA	5710	NA	<3	NA	40700	NA
	11/5/2004	4210	NA	<10	NA	13.6	NA	228	NA	<5	NA	<2	NA	145000	NA	16.2	NA	6.1 B	NA	10.4 B	NA	<10	NA	12500	NA	5.4	NA	43800 J	NA
	11/16/2005	300	NA	<10	NA	7.2 B	NA	280	NA	<5	NA	<2	NA	138000	NA	1.6B	NA	2.1 B	NA	<25	NA	NA	NA	1640	NA	<3	NA	45200	NA
	11/9/2006	453	NA	< 10	NA	11.4	NA	262	NA	0.35 B	NA	< 2	NA	129000 J	NA	< 5	NA	1.2 B	NA	< 25	NA	NA	NA	8380	NA	< 3	NA	40800	NA
	11/12/2007	206	NA	2.7 B	NA	17.3 U	NA	267	NA	< 5	NA	< 2	NA	132000 J	NA	2.8 B	NA	< 7	NA	< 25	NA	NA	NA	8960	NA	< 3	NA	41900	NA
	11/12/2008	< 200	NA	3.4 B	NA	12.2	NA	252	NA	< 5	NA	< 2	NA	119000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	7470	NA	< 3	NA	38400 J	NA
	11/20/2009	< 200	NA	< 10	NA	9.1 B	NA	229	NA	< 5	NA	< 2	NA	105000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	6810	NA	< 3	NA	34500	NA
UAW11-10	5/8/2001	<200	NA	1060	NA	176	NA	295	NA	<5	NA	<2	NA	224000	154000	249	NA	9.6	NA	<25	NA	8.1 B	NA	50000	34500	4.4	NA	41100	28400
	11/10/2001	47.3 B	NA	62.6	NA	62.9	NA	41.3 B	NA	<5	NA	<2	NA	110000 J	116000 J	11.3	NA	1.5 B	NA	<25	NA	5.6 B	NA	3900	3140	<3	NA	45500 J	49400 J
	10/18/2002	<200	NA	8 B	NA	65.2	NA	29 B	NA	<5	NA	<2	NA	181000 J	NA	2.7 B	NA	1.1 B	NA	<25	NA	<10	NA	404	NA	<3	NA	36600 J	NA
	11/16/2003	68.1 B J	NA	4.7 B	NA	32.6	NA	23.6 B J	NA	<5	NA	1.1 B J	NA	148000 J	NA	6.2 J	NA	1.8 B J	NA	2 B J	NA	<10	NA	270	NA	<3	NA	29100 J	NA
	4/6/2004	39.6 B J	NA	<10	NA	86.1	NA	26.8 B J	NA	<5	NA	1 B	NA	183000	NA	<5	NA	1.1 B	NA	2.5 B	NA	<10	NA	554	NA	<3	NA	36900 J	NA
	11/7/2004	78.7 B J	NA	<10	NA	80.3	NA	10.7 B	NA	<5	NA	<2	NA	61000	NA	<5	NA	1.2 B	NA	<25	NA	<10	NA	183	NA	<3	NA	13500	NA
	11/10/2005	<200	NA	<10	NA	29.2	NA	38.6 B	NA	0.37 B	NA	<2	NA	164000 J	NA	<5	NA	<7	NA	<25	NA	NA	NA	146	NA	<3	NA	32800	NA
	11/2/2006	< 200	NA	13	NA	65.9	NA	175 B	NA	< 5	NA	0.46 B	NA	226000 J	NA	3.6 B	NA	< 7	NA	2.3 B J	NA	NA	NA	977	NA	< 3	NA	81900	NA
	11/16/2007	< 200	NA	< 10	NA	9.3 B	NA	50.7 B	NA	< 5	NA	< 2	NA	243000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	741	NA	< 3	NA	38800	NA
	11/10/2008	< 200	NA	< 10	NA	9 B	NA	83.5 B J	NA	< 5	NA	< 2	NA	276000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	1260	NA	< 3	NA	40500 J	NA
	11/18/2009	< 200	NA	< 10	NA	14.9	NA	105 B	NA	< 5	NA	< 2	NA	163000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	1320	NA	< 3	NA	32300	NA

Table B-4
Summary of Inorganic Detections in Groundwater,
Seep, and Surface Water Samples
Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Manganese	Manganese-DISS	Mercury	Mercury-DISS	Nickel	Nickel-DISS	Potassium	Potassium-DISS	Selenium	Selenium-DISS	Silver	Silver-DISS	Sodium	Sodium-DISS	Thallium	Thallium-DISS	Tin	Tin-DISS	Total Sulfide	Vanadium	Vanadium-DISS	Zinc	Zinc-DISS
Groundwater																								
UAW10-50	10/12/2001	1210	NA	<0.2	NA	61.8	NA	13400 J	4270 B J	<5	NA	2.5 B	NA	67800	69300	7.9 B J	NA	NA	NA	<1000	65.2	NA	164	NA
	11/13/2001	469 J	NA	0.095 B	NA	15.3 B	NA	4260 B J	3900 B J	<5	NA	<5	NA	60400 J	54500 J	<10	NA	NA	NA	1500	<7	NA	25.3 J	NA
	10/19/2002	559	NA	<0.2	NA	14.4 B	NA	3740 B J	NA	<5	NA	NA	NA	47000	NA	5.5 B	NA	<100	NA	780 B	5.8 B	NA	28.1	NA
	11/10/2003	490 J	NA	<0.2	NA	9.7 B	NA	3350 B J	NA	<5	NA	<5	NA	45700	NA	<10	NA	7.9 B	NA	<1000	4.4 B	NA	19.6 B J	NA
	3/30/2004	356 J	NA	<0.2	NA	12.8 B	NA	3160 B J	NA	<5	NA	<5	NA	55100	NA	6 B	NA	<100	NA	<1000	4.4 B	NA	20.6	NA
	11/5/2004	403 J	NA	<0.2	NA	10.9 B	NA	2900 B J	NA	<5	NA	1.1 B	NA	50000	NA	<10	NA	<100	NA	<1000	3.7 B	NA	18.3 B	NA
	11/11/2005	404 J	NA	<0.2	NA	9.8 B	NA	3460 B	NA	<5	NA	<5	NA	47600	NA	<10	NA	<100	NA	NA	6.1 B	NA	31.3 J	NA
	11/9/2006	354 J	NA	<0.2	NA	23.2 B	NA	5210 J	NA	< 5	NA	9.9	NA	46400	NA	< 10	NA	20.2 B	NA	NA	11.6	NA	40.2 J	NA
	11/12/2007	373 J	NA	< 0.2	NA	3.5 B	NA	13400 J	NA	< 5	NA	< 5	NA	73200 J	NA	< 10	NA	< 100	NA	NA	< 7	NA	22.5	NA
UAW10-50 dup	11/12/2007	57.3 J	NA	< 0.2	NA	5.2 B	NA	4770 J	NA	< 5	NA	< 5	NA	30800 J	NA	< 10	NA	< 100	NA	NA	2.1 B	NA	12.3 B	NA
	11/12/2008	388 J	NA	< 0.2	NA	6.1 B	NA	2880 B	NA	< 5	NA	< 5	NA	46800	NA	< 10	NA	< 100	NA	NA	1.3 B	NA	17.6 B	NA
UAW10-50 dup	11/12/2008	392 J	NA	< 0.2	NA	6.1 B	NA	2800 B	NA	< 5	NA	< 5	NA	43300	NA	< 10	NA	< 100	NA	NA	0.93 B	NA	21.9	NA
	11/20/2009	389	NA	< 0.2	NA	4.8 B	NA	2110 B	NA	< 5	NA	< 5	NA	35700	NA	< 10	NA	< 100	NA	NA	< 7	NA	20 U	NA
UAW10-50 dup	11/20/2009	390	NA	< 0.2	NA	5.1 B	NA	2070 B	NA	< 5	NA	< 5	NA	35700	NA	< 10	NA	< 100	NA	NA	< 7	NA	20 U	NA
UAW10-80	10/12/2001	3360	NA	<0.2	NA	75.3	NA	5680 J	5970 J	<5	NA	<5	NA	40800	44300	7.5 B J	NA	NA	NA	<1000	2.9 B	NA	30.3	NA
	11/13/2001	3560 J	NA	0.091 B	NA	9.7 B	NA	7990 J	8200 J	<5	NA	<5	NA	41000 J	45600 J	<10	NA	NA	NA	2200	<7	NA	38 J	NA
	10/19/2002	972	NA	<0.2	NA	36 B	NA	3320 B J	NA	<5	NA	NA	NA	12700	NA	6.3 B	NA	<100	NA	620 B	8.1	NA	29.2	NA
	11/13/2003	1040 J	NA	<0.2	NA	129	NA	4990 B J	NA	<5	NA	<5	NA	14800	NA	<10	NA	<100	NA	260 B	22	NA	55.9 J	NA
	3/30/2004	691 J	NA	<0.2	NA	16.4 B	NA	2140 B J	NA	<5	NA	<5	NA	14300	NA	<10	NA	<100	NA	890 B	1.4 B	NA	<20	NA
	11/5/2004	789 J	NA	<0.2	NA	19.2 B	NA	2900 B	NA	<5	NA	<5	NA	13800	NA	9.2 B	NA	<100	NA	800 B	9.1	NA	31.6	NA
	11/16/2005	440	NA	<0.2	NA	8.3 B	NA	1980 B J	NA	<5	NA	<5	NA	14800	NA	<10	NA	15.5 B	NA	NA	<7	NA	<20	NA
	11/9/2006	386 J	NA	<0.2	NA	2.6 B	NA	1800 B J	NA	< 5	NA	< 5	NA	12800	NA	< 10	NA	10.2 B	NA	NA	< 7	NA	6.9 B J	NA
	11/12/2007	350	NA	< 0.2	NA	< 40	NA	1590 B J	NA	< 5	NA	< 5	NA	13500	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/12/2008	277 J	NA	< 0.2	NA	< 40	NA	1420 B	NA	< 5	NA	< 5	NA	12000	NA	< 10	NA	< 100	NA	NA	< 7	NA	7.4 B	NA
	11/20/2009	235	NA	< 0.2	NA	< 40	NA	1290 B	NA	< 5	NA	< 5	NA	11100	NA	< 10	NA	< 100	NA	NA	< 7	NA	20 U	NA
UAW11-10	5/8/2001	8440	NA	0.21	NA	240	NA	8730	5660	<5	NA	<5	NA	2230000	1500000	<10	NA	NA	NA	2700	113	NA	310	NA
	11/10/2001	470 J	NA	0.13 B	NA	39.3 B	NA	7700	8050	<5	NA	<5	NA	440000 J	454000 J	7 B	NA	NA	NA	1300	15.6	NA	22.4 J	NA
	10/18/2002	2630 J	NA	<0.2	NA	12.2 B	NA	5310 J	NA	<5	NA	NA	NA	201000	NA	<10	NA	4060	NA	9200	12.6 J	NA	<20	NA
	11/16/2003	2800 J	NA	<0.2	NA	7.9 B J	NA	5510 J	NA	<5	NA	<5	NA	293000	NA	8.6 B J	NA	1450	NA	2900	5.9 B	NA	<20	NA
	4/6/2004	4230	NA	<0.2	NA	8.9 B	NA	6450 J	NA	<5	NA	<5	NA	484000	NA	5.9 B	NA	1950	NA	9000	16	NA	<20	NA
	11/7/2004	1190	NA	<0.2	NA	<40	NA	2690 B J	NA	<5	NA	<5	NA	198000	NA	5.3 B	NA	1660	NA	14000	4.1 B	NA	<20	NA
	11/10/2005	2700 J	NA	<0.2	NA	4.2 B J	NA	29800 J	NA	<5	NA	<5	NA	286000	NA	<10	NA	3560	NA	NA	4.7 B	NA	13.4 B	NA
	11/2/2006	2180 J	NA	<0.2	NA	4.9 B	NA	9230 J	NA	< 5	NA	< 5	NA	514000	NA	5.3 B	NA	3050	NA	NA	22.3	NA	25.4 J	NA
	11/16/2007	4540	NA	< 0.2	NA	17.5 B	NA	6560 J	NA	< 5	NA	< 5	NA	628000	NA	6.6 B	NA	702	NA	NA	5.8 B	NA	6.6 B	NA
	11/10/2008	3030 J	NA	< 0.2	NA	12.6 B	NA	6360	NA	< 5	NA	< 5	NA	579000	NA	< 10	NA	< 100	NA	NA	4.4 B	NA	< 20	NA
	11/18/2009	3790	NA	< 0.2	NA	7 B	NA	5390	NA	< 5	NA	< 5	NA	583000	NA	< 10	NA	752	NA	NA	1.5 B	NA	< 20	NA

Table B-4
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Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Aluminum	Aluminum-DISS	Antimony	Antimony-DISS	Arsenic	Arsenic-DISS	Barium	Barium-DISS	Beryllium	Beryllium-DISS	Cadmium	Cadmium-DISS	Calcium	Calcium-DISS	Chromium	Chromium-DISS	Cobalt	Cobalt-DISS	Copper	Copper-DISS	Cyanide, Total	Hexavalent Chromium	Iron	Iron-DISS	Lead	Lead-DISS	Magnesium	Magnesium-DISS
Groundwater																													
UAW11-40	5/8/2001	355	NA	2.3 B	NA	<10	NA	31.4 B	NA	<5	NA	0.61 B	NA	361000	383000	6.7	NA	12.7	NA	13.7 B	NA	<10	NA	930	<100	<3	NA	81000	85100
	11/12/2001	62 B J	NA	<10	NA	<10	NA	24.4 B	NA	<5	NA	0.51 B	NA	347000	335000	13	NA	13.2	NA	11.6 B	NA	<10	NA	<100	<100	<3	NA	79100	76500
	10/18/2002	<200	NA	<10	NA	<10	NA	26.2 B	NA	<5	NA	0.34 B	NA	318000 J	NA	24	NA	11.6	NA	6.2 B	NA	<10	NA	245	NA	<3	NA	72800 J	NA
	11/16/2003	<200	NA	<10	NA	<10	NA	24.5 B J	NA	<5	NA	1.3 B J	NA	341000 J	NA	54.6 J	NA	10.4 J	NA	9.4 B J	NA	<10	NA	650	NA	<3	NA	73000 J	NA
	4/6/2004	65.4 B J	NA	<10	NA	<10	NA	26.5 B J	NA	<5	NA	0.31 B	NA	353000	NA	8.5	NA	9.3	NA	6 B	NA	<10	NA	100	NA	<3	NA	73300 J	NA
UAW11-40 (Dup)	4/6/2004	48.1 B J	NA	<10	NA	<10	NA	25.9 B J	NA	<5	NA	0.41 B	NA	346000	NA	7.7	NA	8.6	NA	4.9 B	NA	<10	NA	92.8 B	NA	<3	NA	71200 J	NA
	11/7/2004	91.1 B J	NA	<10	NA	<10	NA	28.8 B	NA	<5	NA	0.62 B	NA	340000	NA	2.3 B	NA	11.9	NA	8 B	NA	<10	NA	56.7 B	NA	<3	NA	78600	NA
	11/10/2005	<200	NA	<10	NA	<10	NA	27.7 B	NA	0.4 B	NA	0.49 B	NA	310000 J	NA	39.2	NA	9.8	NA	9.5 B J	NA	NA	NA	849	NA	<3	NA	72900	NA
	11/2/2006	< 200	NA	< 10	NA	< 10	NA	27.6 B	NA	< 5	NA	0.56 B	NA	296000 J	NA	124	NA	10.1	NA	13 B J	NA	NA	NA	1920	NA	< 3	NA	67700	NA
	11/16/2007	267	NA	< 10	NA	< 10	NA	56.3 B	NA	< 5	NA	4.4	NA	317000	NA	535	NA	11.1	NA	15 B	NA	NA	NA	6400	NA	3.3	NA	81200	NA
	11/10/2008	< 200	NA	< 10	NA	< 10	NA	26.9 B J	NA	< 5	NA	0.76 B	NA	313000 J	NA	68.5	NA	4.1 B	NA	7.9 B	NA	NA	NA	1280	NA	< 3	NA	72600 J	NA
	11/18/2009	< 200	NA	< 10	NA	< 10	NA	23.4 B	NA	< 5	NA	< 2	NA	262000	NA	35.2	NA	4.1 B	NA	< 25	NA	NA	NA	708	NA	< 3	NA	60800	NA
UAW12-20	5/6/2001	NA	NA	<10	NA	5.8 B	NA	75.7 B	NA	<5	NA	<2	NA	727000	679000	2.2 B	NA	<7	NA	<25	NA	<10	NA	3010	141	<3	NA	54800	51300
	11/15/2001	NA	NA	<10	NA	<10	NA	20.3 B	NA	<5	NA	<2	NA	NA	648000	<5	NA	<7	NA	19.7 B	NA	5 B	NA	NA	114	<3	NA	NA	55200
	10/20/2002	102 B J	NA	<10	NA	8.9 B	NA	18.1 B	NA	<5	NA	<2	NA	742000 J	NA	3.1 B	NA	<7	NA	1.8 B	NA	<10	NA	213	NA	<3	NA	55400	NA
	11/12/2003	63.1 B	NA	<10	NA	3.8 B	NA	21.1 B J	NA	<5	NA	<2	NA	660000 J	NA	2.8 B	NA	<7	NA	<25	NA	<10	NA	296 J	NA	<3	NA	46100	NA
	3/28/2004	70.8 B J	NA	<10	NA	<10	NA	26.2 B	NA	<5	NA	0.28 B	NA	856000	NA	<5	NA	<7	NA	4.7 B J	NA	<10	NA	456	NA	<3	NA	67900	NA
	11/4/2004	<200	NA	<10	NA	<10	NA	21 B	NA	<5	NA	<2	NA	538000	NA	2.5 B	NA	<7	NA	<25	NA	<10	NA	249	NA	<3	NA	42600 J	NA
	11/14/2005	<200	NA	<10	NA	<10	NA	28.8 B	NA	<5	NA	<2	NA	807000 J	NA	1.7 B	NA	<7	NA	<25	NA	NA	NA	752	NA	<3	NA	48200	NA
	11/6/2006	< 200	NA	< 10	NA	5.7 B	NA	33.5 B	NA	< 5	NA	0.66 B	NA	830000 J	NA	< 5	NA	< 7	NA	27.2 J	NA	NA	NA	2190	NA	5.7	NA	96900	NA
	11/16/2007	< 200	NA	< 10	NA	< 10	NA	39.2 B	NA	< 5	NA	< 2	NA	781000	NA	< 5	NA	< 7	NA	12.8 B	NA	NA	NA	952	NA	< 3	NA	60700	NA
	11/6/2008	< 200	NA	2.9 B	NA	9.7 B	NA	48.6 B J	NA	< 5	NA	< 2	NA	452000 J	NA	< 5	NA	< 7	NA	11 B	NA	NA	NA	1750	NA	< 3	NA	65300 J	NA
	11/19/2009	< 200	NA	< 10	NA	< 10	NA	51.4 B	NA	< 5	NA	< 2	NA	735000	NA	60.5	NA	< 7	NA	18.2 B	NA	NA	NA	1180	NA	< 3	NA	53200	NA
UAW13-20	5/6/2001	NA	NA	<10	NA	36.1	NA	21.2 B	NA	<5	NA	<2	NA	818000	764000	3.4 B	NA	<7	NA	<25	NA	<10	NA	90.4 B	<100	<3	NA	81900	87200
	11/15/2001	NA	NA	4.2 B	NA	83.1	NA	27.4 B	NA	<5	NA	0.28 B	NA	NA	916000	315	NA	<7	NA	597	NA	8.5 B	NA	NA	<100	<3	NA	NA	103000
	10/23/2002	<200	NA	<10	NA	59.1 J	NA	20.1 B	NA	<5	NA	<2	NA	1030000	NA	110	NA	<7	NA	4.2 B	NA	2.6 B	NA	143	NA	<3	NA	96600	NA
	11/12/2003	<200	NA	<10	NA	45.2	NA	13.8 B J	NA	<5	NA	<2	NA	897000 J	NA	49.4	NA	<7	NA	<25	NA	<10	NA	142 J	NA	<3	NA	98800	NA
	3/28/2004	65.8 B J	NA	<10	NA	39.6	NA	9.1 B	NA	<5	NA	<2	NA	875000	NA	56.3	NA	<7	NA	15.9 B J	NA	<10	NA	102	NA	<3	NA	108000	NA
	11/5/2004	55.9 B	NA	<10	NA	38.2	NA	12.9 B	NA	0.79 B	NA	<2	NA	567000	NA	10.8	NA	<7	NA	<25	NA	<10	NA	<100	NA	<3	NA	109000 J	NA
	11/16/2005	<200	NA	<10	NA	33.4	NA	10.7 B	NA	<5	NA	<2	NA	828000	NA	12.9	NA	<7	NA	2.0 B	NA	NA	NA	<100	NA	<3	NA	106000	NA
	10/31/2006	< 200	NA	< 10	NA	27.8	NA	10 B	NA	< 5	NA	< 2	NA	878000 J	NA	50.3	NA	< 7	NA	7.2 B J	NA	NA	NA	480	NA	< 3	NA	95700	NA
	11/16/2007	< 200	NA	< 10	NA	26.5	NA	6.3 B	NA	< 5	NA	< 2	NA	797000	NA	24.3	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	74900	NA
	11/6/2008	< 200	NA	6.5 B	NA	77.1	NA	10.6 B J	NA	< 5	NA	< 2	NA	459000 J	NA	78.2	NA	< 7	NA	< 25	NA	NA	NA	456	NA	< 3	NA	78900 J	NA
	11/19/2009	< 200	NA	< 10	NA	27.6	NA	5.4 B	NA	< 5	NA	< 2	NA	787000	NA	34.5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	85200	NA
UAW14-10	5/5/2001	286	NA	<10	NA	<10	NA	82.6 B	NA	<5	NA	<2	NA	107000	108000	<5	NA	<7	NA	13.3 B	NA	<10	NA	294	<100	<3	NA	30600	32200
	11/9/2001	177 B	NA	<10	NA	<10	NA	69.1 B	NA	<5	NA	<2	NA	110000 J	109000 J	<5	NA	<7	NA	<25	NA	1.8 B	NA	453	387	<3	NA	31700 J	31400 J
	10/16/2002	359	NA	<10	NA	<10	NA	72 B	NA	<5	NA	0.41 B	NA	100000 J	NA	4.3 B	NA	1.4 B J	NA	<25	NA	<10	NA	881	NA	<3	NA	29300 J	NA
	11/16/2003	57 B J	NA	<10	NA	6 B	NA	73.7 B J	NA	<5	NA	1.3 B J	NA	111000 J	NA	5.5 J	NA	1.8 B J	NA	4 B J	NA	<10	NA	1850	NA	<3	NA	30100 J	NA
	4/5/2004	<200	NA	<10	NA	<10	NA	59.9 B J	NA	<5	NA	<2	NA	115000	NA	10.9	NA	<7	NA	<25	NA	<10	NA	2680	NA	<3	NA	33000 J	NA
	11/6/2004	<200	NA	<10	NA	<10	NA	71.5 B	NA	<5	NA	<2	NA	104000	NA	<5	NA	<7	NA	<25	NA	<10	NA	323	NA	<3	NA	27800	NA
	11/16/2005	<200	NA	<10	NA	4.5 B	NA	57 B	NA	<5	NA	<2	NA	104000 J	NA	<5	NA	<7	NA	<25	NA	NA	NA	1530 J	NA	<3	NA	31300	NA
	11/8/2006	< 200	NA	< 10	NA	< 10	NA	73.1 B	NA	< 5	NA	< 2	NA	104000 J	NA	< 5	NA	< 7	NA	1.9 B J	NA	NA	NA	1610	NA	< 3	NA	29200	NA
	11/7/2007	170 B	NA	< 10	NA	< 10	NA	76.1 B J	NA	< 5	NA	< 2	NA	91700 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	1440	NA	< 3	NA	24500 J	NA
	11/13/2008	< 200	NA	7.2 B	NA	8.3 B	NA	59.1 B	NA	< 5	NA	< 2	NA	102000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	2470	NA	< 3	NA	32500 J	NA
	11/24/2009	< 200	NA	< 10	NA	< 10	NA	76.8 B	NA	< 5	NA	< 2	NA	106000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	910	NA	< 3	NA	28900	NA

Table B-4
Summary of Inorganic Detections in Groundwater,
Seep, and Surface Water Samples
Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Manganese	Manganese-DISS	Mercury	Mercury-DISS	Nickel	Nickel-DISS	Potassium	Potassium-DISS	Selenium	Selenium-DISS	Silver	Silver-DISS	Sodium	Sodium-DISS	Thallium	Thallium-DISS	Tin	Tin-DISS	Total Sulfide	Vanadium	Vanadium-DISS	Zinc	Zinc-DISS
Groundwater																								
UAW11-40	5/8/2001	1130	NA	<0.2	NA	49.4	NA	5680	5780	<5	NA	<5	NA	239000	248000	8.2 B	NA	NA	NA	960 B	0.91 B	NA	<20	NA
	11/12/2001	1150	NA	<0.2	NA	66.5	NA	5770	5530	<5	NA	<5	NA	253000	244000	7.8 B J	NA	NA	NA	<1000	<7	NA	<20	NA
	10/18/2002	1040 J	NA	<0.2	NA	73.2	NA	6200 J	NA	<5	NA	NA	NA	258000	NA	9.5 B	NA	70.7 B	NA	<1000	<7	NA	<20	NA
	11/16/2003	904 J	NA	<0.2	NA	86 J	NA	6410 J	NA	<5	NA	<5	NA	273000	NA	10.9 J	NA	48.7 B	NA	<1000	<7	NA	<20	NA
	4/6/2004	966	NA	<0.2	NA	53.1	NA	6040 J	NA	<5	NA	<5	NA	285000	NA	7.3 B	NA	62.2 B	NA	640 B	<7	NA	<20	NA
UAW11-40 (Dup)	4/6/2004	903	NA	<0.2	NA	49.3	NA	5920 J	NA	<5	NA	<5	NA	278000	NA	7.3 B	NA	51.7 B	NA	800 B	<7	NA	<20	NA
	11/7/2004	1050	NA	<0.2	NA	55.7	NA	6820 J	NA	<5	NA	<5	NA	317000	NA	6.7 B	NA	47.2 B	NA	<1000	<7	NA	<20	NA
	11/10/2005	1010 J	NA	<0.2	NA	79.7 J	NA	5920 J	NA	<5	NA	<5	NA	297000	NA	<10	NA	73.1 B	NA	NA	<7	NA	7.0 B	NA
	11/2/2006	1520 J	NA	<0.2	NA	87	NA	6070 J	NA	< 5	NA	< 5	NA	269000	NA	< 10	NA	58.9 B	NA	NA	< 7	NA	22.1 J	NA
	11/16/2007	1570	NA	< 0.2	NA	383	NA	5300 J	NA	< 5	NA	< 5	NA	442000	NA	< 10	NA	84 B	NA	NA	2.4 B	NA	41.2	NA
	11/10/2008	1110 J	NA	< 0.2	NA	66.5	NA	5520	NA	< 5	NA	< 5	NA	291000	NA	< 10	NA	29.5 B	NA	NA	0.73 B	NA	< 20	NA
	11/18/2009	883	NA	< 0.2	NA	35.5 B	NA	5440	NA	< 5	NA	< 5	NA	255000	NA	< 10	NA	34 B	NA	NA	< 7	NA	20 U	NA
UAW12-20	5/6/2001	NA	NA	<0.2	NA	18.2 B	NA	10500	9700	<5	NA	<5	NA	485000	455000	14.4	NA	66.9 B	NA	<1000	2.8 B	NA	29.8 MBD	NA
	11/15/2001	NA	NA	<0.2	NA	5.3 B	NA	NA	8090	<5	NA	<5	NA	NA	348000	12.1 J	NA	82.9 B	NA	2000	6 B	NA	<20	NA
	10/20/2002	4940	NA	<0.2	NA	3.2 B	NA	10100 J	NA	<5	NA	NA	NA	356000	NA	8.1 B	NA	255	NA	4800	5.2 B	NA	<20	NA
	11/12/2003	5220 J	NA	<0.2	NA	5.4 B	NA	8310 J	NA	<5	NA	<5	NA	632000	NA	<10	NA	105	NA	7500	2.1 B	NA	13.7 B J	NA
	3/28/2004	9570 J	NA	<0.2	NA	<40	NA	8250 J	NA	<5	NA	<5	NA	765000	NA	<10	NA	101	NA	1000	2.7 B	NA	<20	NA
	11/4/2004	6000 J	NA	<0.2	NA	2.5 B	NA	9160	NA	<5	NA	<5	NA	589000	NA	<10	NA	78.8 B	NA	4200	2.5 B	NA	<20	NA
	11/14/2005	4920 J	NA	<0.2	NA	3.1 B	NA	11200	NA	<5	NA	<5	NA	844000	NA	<10	NA	33.3 B	NA	NA	2.2 B	NA	7.7 U	NA
	11/6/2006	4820 J	NA	<0.2	NA	3.9 B	NA	13700 J	NA	< 5	NA	< 5	NA	726000	NA	7.8 B	NA	71.2 B	NA	NA	2 B	NA	56.1 J	NA
	11/16/2007	6230	NA	< 0.2	NA	< 40	NA	14200 J	NA	< 5	NA	< 5	NA	964000	NA	< 10	NA	70.5 B	NA	NA	2.5 B	NA	39.9	NA
	11/6/2008	5160 J	NA	< 0.2	NA	3.9 B	NA	13900	NA	< 5	NA	< 5	NA	735000	NA	< 10	NA	540	NA	NA	3.8 B	NA	< 20	NA
	11/19/2009	3490	NA	< 0.2	NA	22.3 B	NA	11200	NA	< 5	NA	< 5	NA	859000	NA	< 10	NA	127	NA	NA	1.9 B	NA	23.3	NA
UAW13-20	5/6/2001	NA	NA	<0.2	NA	12.4 B	NA	10400	9990	<5	NA	<5	NA	491000	488000	5 B	NA	1060	NA	5800	14.8	NA	22.1 MBD	NA
	11/15/2001	NA	NA	0.11 B	NA	23.2 B	NA	NA	13300	<5	NA	<5	NA	NA	948000	16.6 J	NA	1930	NA	2800	16.4	NA	23.7	NA
	10/23/2002	2750	NA	<0.2	NA	19.2 B	NA	12200 J	NA	<5	NA	NA	NA	947000	NA	5.5 B	NA	2330	NA	14000	13.1	NA	<20	NA
	11/12/2003	2760 J	NA	<0.2	NA	16.6 B	NA	12600 J	NA	<5	NA	<5	NA	757000	NA	<10	NA	1710	NA	150000	12.3	NA	<20	NA
	3/28/2004	3140 J	NA	<0.2	NA	12.2 B	NA	10800 J	NA	<5	NA	<5	NA	871000	NA	<10	NA	1780	NA	8900	12.7	NA	16.7 B	NA
	11/5/2004	2840 J	NA	<0.2	NA	16.5 B	NA	11700	NA	<5	NA	<5	NA	578000	NA	<10	NA	1870	NA	160000	13.9	NA	19.9 B	NA
	11/16/2005	2810	NA	<0.2	NA	11.8 B	NA	9670 J	NA	<5	NA	<5	NA	558000	NA	<10	NA	1880	NA	NA	11.8	NA	8.5 J	NA
	10/31/2006	3180 J	NA	<0.2	NA	10.8 B	NA	10600 J	NA	< 5	NA	< 5	NA	701000	NA	< 10	NA	1780	NA	NA	9.7	NA	11.7 B J	NA
	11/16/2007	3190	NA	< 0.2	NA	10.4 B	NA	7850 J	NA	< 5	NA	< 5	NA	522000	NA	< 10	NA	1740	NA	NA	8.1	NA	10.7 B	NA
	11/6/2008	2360 J	NA	< 0.2	NA	18.8 B	NA	9310	NA	< 5	NA	< 5	NA	1180000	NA	< 10	NA	3310	NA	NA	7.5	NA	< 20	NA
	11/19/2009	2740	NA	< 0.2	NA	10.1 B	NA	7960	NA	< 5	NA	< 5	NA	651000	NA	5.4 B	NA	1690	NA	NA	7.6	NA	20 U	NA
UAW14-10	5/5/2001	53.8	NA	<0.2	NA	6.1 B	NA	1270 B	1300 B	<5	NA	<5	NA	36500	35800	<10	NA	NA	NA	1500	<7	NA	<20	NA
	11/9/2001	26.4 J	NA	<0.2	NA	3.4 B	NA	1530 B	1510 B	<5	NA	<5	NA	37900 J	37500 J	<10	NA	NA	NA	1200	<7	NA	<20	NA
	10/16/2002	100 J	NA	<0.2	NA	4 B	NA	1620 B J	NA	<5	NA	NA	NA	31400	NA	8.9 B	NA	<100	NA	<1000	1 B	NA	<20	NA
	11/16/2003	60.1 J	NA	<0.2	NA	6.8 B J	NA	1820 B J	NA	4.1 B	NA	1.3 B	NA	30900	NA	15.3 J	NA	4.7 B	NA	<1000	<7	NA	<20	NA
	4/5/2004	72.5	NA	<0.2	NA	20.5 B	NA	1120 B J	NA	<5	NA	<5	NA	22900	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	11/6/2004	31.2 J	NA	<0.2	NA	4.7 B	NA	1370 B J	NA	<5	NA	<5	NA	33000	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	11/16/2005	59.7	NA	<0.2	NA	1.8 B	NA	1080 B J	NA	2.4 B	NA	<5	NA	25200	NA	<10	NA	<100	NA	NA	<7	NA	<20	NA
	11/8/2006	50.3 J	NA	<0.2	NA	1.8 B	NA	1280 B J	NA	< 5	NA	< 5	NA	30200	NA	< 10		< 100	NA	NA	< 7	NA	< 20	NA
	11/7/2007	183 J	NA	< 0.2	NA	3.5 B	NA	1580 B J	NA	< 5	NA	< 5	NA	35200	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/13/2008	143 J	NA	< 0.2	NA	< 40	NA	1070 B	NA	< 5	NA	< 5	NA	21300	NA	< 10	NA	< 100	NA	NA	1.2 B	NA	< 20	NA
	11/24/2009	30.1	NA	< 0.2	NA	< 40	NA	1430 B	NA	< 5	NA	< 5	NA	30600	NA	< 10	NA	5.2 B	NA	NA	< 7	NA	< 20	NA

Table B-4
Summary of Inorganic Detections in Groundwater,
Seep, and Surface Water Samples
Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Aluminum	Aluminum-DISS	Antimony	Antimony-DISS	Arsenic	Arsenic-DISS	Barium	Barium-DISS	Beryllium	Beryllium-DISS	Cadmium	Cadmium-DISS	Calcium	Calcium-DISS	Chromium	Chromium-DISS	Cobalt	Cobalt-DISS	Copper	Copper-DISS	Cyanide, Total	Hexavalent Chromium	Iron	Iron-DISS	Lead	Lead-DISS	Magnesium	Magnesium-DISS
Groundwater																													
UAW15-20	5/6/2001	147 B	NA	<10	NA	<10	NA	221	NA	<5	NA	0.49 B	NA	237000	253000	2 B	NA	21.4	NA	26.4	NA	<10	NA	156	<100	<3	NA	61600	65300
	11/11/2001	271 J	NA	<10	NA	<10	NA	330	NA	<5	NA	0.48 B	NA	311000	297000	8.7	NA	14.6	NA	4.9 B	NA	<10	NA	398	<100	<3	NA	77100	73700
	10/18/2002	85.5 B J	NA	<10	NA	<10	NA	145 B	NA	<5	NA	0.5 B	NA	148000 J	NA	9.7	NA	15	NA	1.8 B	NA	<10	NA	273	NA	<3	NA	37400	NA
	11/17/2003	104 B J	NA	<10	NA	<10	NA	290 J	NA	<5	NA	1.2 B J	NA	214000 J	NA	24.6 J	NA	7.6 J	NA	5 B J	NA	4.9 B	NA	218	NA	<3	NA	51900 J	NA
	4/7/2004	214 J	NA	<10	NA	<10	NA	563 J	NA	<5	NA	<2	NA	485000	NA	40.6	NA	10.1	NA	3 B	NA	<10	NA	571	NA	<3	NA	115000 J	NA
	11/7/2004	167 B J	NA	<10	NA	<10	NA	335	NA	<5	NA	0.63 B	NA	229000	NA	13.6	NA	11.1	NA	3 B	NA	6.3 B	NA	160	NA	<3	NA	58900	NA
	11/15/2005	<200	NA	<10	NA	<10	NA	275	NA	0.46 U	NA	<2	NA	206000	NA	38.3	NA	9.6	NA	3.4 B	NA	NA	NA	865	NA	<3	NA	54200	NA
	11/2/2006	< 200	NA	< 10	NA	< 10	NA	422	NA	< 5	NA	0.43 B	NA	334000 J	NA	53.6	NA	13.5	NA	9.6 B J	NA	NA	NA	826	NA	< 3	NA	88300	NA
	11/19/2007	188 B	NA	< 10	NA	< 10	NA	215 J	NA	< 5	NA	< 2	NA	210000 J	NA	13.3	NA	10.5	NA	5.4 B	NA	NA	NA	747 J	NA	< 3	NA	52900 J	NA
	11/14/2008	< 200	NA	< 10	NA	< 10	NA	225 J	NA	< 5	NA	< 2	NA	181000 J	NA	106	NA	9.3	NA	< 25	NA	NA	NA	640	NA	< 3	NA	44700	NA
	11/11/2009	< 200	NA	< 10	NA	< 10	NA	524	NA	< 5	NA	< 2	NA	404000	NA	246	NA	20.9	NA	17.7 B	NA	NA	NA	3730	NA	< 3	NA	106000	NA
UAW15-50	5/6/2001	147 B	NA	14.4	NA	83.5	NA	1090	NA	<5	NA	<2	NA	257000	219000	3.1 B	NA	13.7	NA	<25	NA	<10	NA	15600	407	<3	NA	107000	89800
	11/11/2001	197 B J	NA	16	NA	83	NA	960	NA	<5	NA	0.29 B	NA	250000	230000	1.9 B	NA	11	NA	<25	NA	4.3 B	NA	16400	582	<3	NA	108000	99000
	10/18/2002	88.4 B J	NA	12.2	NA	91.6	NA	766	NA	<5	NA	<2	NA	206000 J	NA	1.6 B	NA	4.1 B	NA	<25	NA	<10	NA	13000	NA	<3	NA	88700	NA
	11/17/2003	60.6 B J	NA	8.5 B	NA	71.4	NA	648 J	NA	<5	NA	1.2 B J	NA	225000 J	NA	5.4 J	NA	4.2 B J	NA	2.9 B J	NA	<10	NA	10400	NA	<3	NA	90400 J	NA
	4/7/2004	62.3 B J	NA	11.1	NA	77.1	NA	664 J	NA	<5	NA	0.53 B	NA	196000	NA	2.5 B	NA	7.8	NA	<25	NA	<10	NA	13600	NA	<3	NA	75500 J	NA
	11/7/2004	65 B J	NA	8.7 B	NA	62.6	NA	566	NA	<5	NA	0.37 B	NA	173000	NA	<5	NA	5.4 B	NA	<25	NA	<10	NA	9630	NA	<3	NA	69300	NA
UAW15-50 (Dup)	11/7/2004	62.6 B J	NA	8.4 B	NA	60.7	NA	553	NA	<5	NA	0.46 B	NA	168000	NA	<5	NA	4.8 B	NA	<25	NA	<10	NA	9420	NA	<3	NA	67400	NA
	11/15/2005	<200	NA	6.4 B	NA	62.9	NA	486	NA	0.45 B J	NA	<2	NA	157000	NA	<5	NA	3.3 B	NA	<25	NA	NA	NA	7840	NA	<3	NA	66300	NA
	11/2/2006	< 200	NA	5.9 B	NA	64.6	NA	528	NA	< 5	NA	0.8 B	NA	171000 J	NA	< 5	NA	1.6 B	NA	3.4 B J	NA	NA	NA	8140	NA	< 3	NA	65700	NA
	11/19/2007	< 200	NA	< 10	NA	44.3	NA	423 J	NA	< 5	NA	< 2	NA	151000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	5180 J	NA	< 3	NA	59200 J	NA
	11/14/2008	< 200	NA	< 10	NA	45.7	NA	382 J	NA	< 5	NA	< 2	NA	142000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	6680	NA	< 3	NA	54200	NA
	11/11/2009	< 200	NA	< 10	NA	42.7	NA	351	NA	< 5	NA	< 2	NA	128000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	5760	NA	< 3	NA	48700	NA
UAW16-10	10/12/2001	98.3 B	NA	<10	NA	24.9	NA	55.5 B	NA	<5	NA	<2	NA	223000	226000	7	NA	1.9 B	NA	<25	NA	<10	NA	1300	1570	<3	NA	38900	39900
UAW16-10 (Dup)	10/12/2001	98.6 B	NA	<10	NA	23.2	NA	55.1 B	NA	<5	NA	<2	NA	221000	226000	6.9	NA	1.8 B	NA	<25	NA	<10	NA	1250	1250	<3	NA	38200	39400
	11/13/2001	94.1 B	NA	3.6 B	NA	20.6	NA	49.6 B	NA	<5	NA	<2	NA	277000 J	243000 J	4.3 B	NA	<7	NA	6.8 B	NA	<10	NA	1150	418	<3	NA	45700 J	40200 J
	10/18/2002	<200	NA	<10	NA	8.9 B	NA	56.5 B	NA	<5	NA	<2	NA	410000 J	NA	2.7 B	NA	1.2 B	NA	<25	NA	<10	NA	721	NA	<3	NA	58300 J	NA
	11/17/2003	57.3 B J	NA	<10	NA	5.1 B	NA	38.4 B J	NA	<5	NA	1.1 B J	NA	369000 J	NA	5.7 J	NA	1.7 B J	NA	2.2 B J	NA	<10	NA	603	NA	<3	NA	43100 J	NA
UAW16-10 (Dup)	11/17/2003	62.9 B J	NA	3.1 B	NA	4.7 B	NA	40.4 B J	NA	<5	NA	0.97 B J	NA	382000 J	NA	5.8 J	NA	1.6 B J	NA	2.3 B J	NA	<10	NA	634	NA	<3	NA	45100 J	NA
	4/7/2004	<200	NA	<10	NA	<10	NA	33.5 B J	NA	<5	NA	<2	NA	329000	NA	<5	NA	<7	NA	<25	NA	<10	NA	529	NA	<3	NA	36200 J	NA
	11/7/2004	63.3 B J	NA	<10	NA	<10	NA	28 B	NA	<5	NA	<2	NA	261000	NA	<5	NA	<7	NA	<25	NA	<10	NA	340	NA	<3	NA	30100	NA
	11/15/2005	<200	NA	<10	NA	10.3	NA	35.6 B	NA	0.42 U	NA	<2	NA	308000	NA	<5	NA	<7	NA	<25	NA	NA	NA	70.7 B	NA	<3	NA	34300	NA
	11/6/2006	< 200	NA	< 10	NA	< 10	NA	32.5 B	NA	< 5	NA	< 2	NA	251000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	255	NA	< 3	NA	44100	NA
	11/19/2007	< 200	NA	< 10	NA	< 10	NA	43.8 B J	NA	< 5	NA	< 2	NA	257000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	502 J	NA	< 3	NA	40900 J	NA
	11/18/2008	< 200	NA	< 10	NA	< 10	NA	93.3 B J	NA	< 5	NA	< 2	NA	534000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	704	NA	< 3	NA	66400 J	NA
	11/20/2009	< 200	NA	< 10	NA	< 10	NA	36.9 B	NA	< 5	NA	< 2	NA	254000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	1000	NA	< 3	NA	32100	NA
UAW17-40	5/5/2001	955	NA	<10	NA	7.6 B	NA	216	NA	<5	NA	<2	NA	102000	102000	2 B	NA	<7	NA	<25	NA	<10	NA	3720	<100	<3	NA	31400	33200
	11/9/2001	395	NA	<10	NA	16.2	NA	177 B	NA	<5	NA	<2	NA	116000 J	116000 J	2.5 B	NA	<7	NA	<25	NA	<10	NA	4700	4760	<3	NA	36900 J	36900 J
	10/16/2002	333	NA	<10	NA	17.9	NA	121 B	NA	<5	NA	<2	NA	108000 J	NA	1.6 B	NA	1.7 B	NA	<25	NA	<10	NA	3930	NA	<3	NA	33700 J	NA
	11/16/2003	63.3 B J	NA	<10	NA	19.1	NA	117 B J	NA	<5	NA	1 B J	NA	111000 J	NA	4.5 B J	NA	1.9 B J	NA	2.9 B J	NA	<10	NA	3450	NA	<3	NA	33000 J	NA
	3/31/2004	166 B	NA	<10	NA	10.9	NA	100 B	NA	<5	NA	<2	NA	102000 J	NA	4.6 B	NA	<7	NA	<25	NA	<10	NA	1510	NA	<3	NA	30900 J	NA
	11/6/2004	27.6 B	NA	<10	NA	14.2	NA	135 B	NA	<5	NA	<2	NA	110000	NA	<5	NA	<7	NA	2.5 B	NA	<10	NA	3030	NA	<3	NA	33000	NA
	11/14/2005	<200	NA	<10	NA	8.5 B	NA	134 B	NA	<5	NA	<2	NA	110000 J	NA	<5	NA	<7	NA	<25	NA	NA	NA	2580	NA	<3	NA	34500	NA
	10/31/2006	48.2 B	NA	< 10	NA	8.3 B	NA	134 B	NA	< 5	NA	< 2	NA	115000 J	NA	< 5	NA	< 7	NA	2 B J	NA	NA	NA	2450	NA	< 3	NA	34800	NA
	11/19/2007	< 200	NA	< 10	NA	< 10	NA	187 B J	NA	< 5	NA	< 2	NA	98300 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	1600 J	NA	< 3	NA	30900 J	NA
	11/7/2008	< 200	NA	< 10	NA	3.9 B	NA	190 B J	NA	< 5	NA	< 2	NA	85400 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	1640	NA	< 3	NA	26700 J	NA
	11/13/2009	< 200	NA	< 10	NA	5 B	NA	165 B	NA	< 5	NA	< 2	NA	99900	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	1620	NA	< 3	NA	29600	NA

Table B-4
Summary of Inorganic Detections in Groundwater,
Seep, and Surface Water Samples
Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Manganese	Manganese-DISS	Mercury	Mercury-DISS	Nickel	Nickel-DISS	Potassium	Potassium-DISS	Selenium	Selenium-DISS	Silver	Silver-DISS	Sodium	Sodium-DISS	Thallium	Thallium-DISS	Tin	Tin-DISS	Total Sulfide	Vanadium	Vanadium-DISS	Zinc	Zinc-DISS
Groundwater																								
UAW15-20	5/6/2001	397	NA	<0.2	NA	55.1	NA	2430 B	2490 B	<5	NA	<5	NA	421000	443000	6.2 B	NA	NA	NA	<1000	<7	NA	23 MBD	NA
	11/11/2001	231	NA	<0.2	NA	102	NA	3060 B	2840 B	<5	NA	<5	NA	506000	480000	14 J	NA	NA	NA	<1000	<7	NA	<20	NA
	10/18/2002	16.1	NA	<0.2	NA	57.5	NA	1930 B J	NA	<5	NA	NA	NA	281000	NA	7.4 B	NA	261	NA	<1000	<7	NA	<20	NA
	11/17/2003	60.3 J	NA	<0.2	NA	66.3 J	NA	4610 B J	NA	<5	NA	<5	NA	990000	NA	11.7 J	NA	131	NA	<1000	<7	NA	<20	NA
	4/7/2004	102	NA	<0.2	NA	374	NA	7100 J	NA	<5	NA	<5	NA	1480000	NA	5.6 B	NA	80.7 B	NA	640 B	<7	NA	22.8	NA
	11/7/2004	104	NA	<0.2	NA	155	NA	6590 J	NA	<5	NA	<5	NA	1290000	NA	<10	NA	104	NA	<1000	<7	NA	<20	NA
	11/15/2005	85.3	NA	<0.2	NA	166	NA	5900 J E	NA	2.9 B	NA	<5	NA	1180000	NA	<10	NA	216 E	NA	NA	<7	NA	<20	NA
	11/2/2006	114 J	NA	<0.2	NA	415	NA	6680 J	NA	< 5	NA	< 5	NA	1400000	NA	< 10	NA	110	NA	NA	< 7	NA	6.9 B J	NA
	11/19/2007	28.4 J	NA	< 0.2	NA	59.1	NA	3760 B	NA	< 5	NA	< 5	NA	587000	NA	6.4 B	NA	118	NA	NA	< 7	NA	53.7	NA
	11/14/2008	70.8	NA	< 0.2	NA	94.7	NA	3770 B J	NA	< 5	NA	< 5	NA	1060000	NA	< 10	NA	138	NA	NA	< 7	NA	< 20	NA
	11/11/2009	233	NA	< 0.2	NA	822	NA	5870 J	NA	< 5	NA	< 5	NA	1530000	NA	10 U	NA	154	NA	NA	< 7	NA	20 U	NA
UAW15-50	5/6/2001	735	NA	<0.2	NA	130	NA	9520	7590	<5	NA	<5	NA	261000	218000	6.1 B	NA	NA	NA	<1000	<7	NA	24.6	NA
	11/11/2001	653	NA	0.18 B	NA	102	NA	8780	7910	<5	NA	<5	NA	253000	234000	16.7 J	NA	NA	NA	<1000	<7	NA	<20	NA
	10/18/2002	588	NA	<0.2	NA	76.4	NA	7280 J	NA	<5	NA	NA	NA	210000	NA	6.6 B	NA	2400	NA	460 B	<7	NA	<20	NA
	11/17/2003	682 J	NA	<0.2	NA	84.7 J	NA	7320 J	NA	<5	NA	<5	NA	202000	NA	9.4 B J	NA	2050	NA	1600	<7	NA	<20	NA
	4/7/2004	543	NA	<0.2	NA	85.8	NA	6400 J	NA	<5	NA	<5	NA	182000	NA	8.7 B	NA	2110	NA	1100	<7	NA	15.8 B	NA
	11/7/2004	665	NA	<0.2	NA	74.9	NA	6090 J	NA	<5	NA	<5	NA	165000	NA	7.5 B	NA	1950	NA	8400	<7	NA	18.7 B	NA
UAW15-50 (Dup)	11/7/2004	644	NA	<0.2	NA	72.6	NA	5940 J	NA	<5	NA	<5	NA	160000	NA	<10	NA	2010	NA	2000	<7	NA	<20	NA
	11/15/2005	630	NA	<0.2	NA	73.7	NA	5380 J	NA	<5	NA	<5	NA	142000	NA	<10	NA	2140	NA	NA	<7	NA	9.6 B	NA
	11/2/2006	592 J	NA	<0.2	NA	58.6	NA	6360 J	NA	< 5	NA	< 5	NA	150000	NA	6.9 B	NA	1830	NA	NA	< 7	NA	12.7 B J	NA
	11/19/2007	632 J	NA	< 0.2	NA	39 B	NA	5160	NA	< 5	NA	< 5	NA	125000	NA	< 10	NA	1310	NA	NA	< 7	NA	16.3 B	NA
	11/14/2008	834	NA	< 0.2	NA	41.7	NA	4350 B J	NA	< 5	NA	< 5	NA	107000	NA	< 10	NA	1200	NA	NA	< 7	NA	< 20	NA
	11/11/2009	899	NA	< 0.2	NA	31.6 B	NA	3810 B	NA	< 5	NA	< 5	NA	87900	NA	< 10	NA	827	NA	NA	< 7	NA	20 U	NA
UAW16-10	10/12/2001	2760	NA	<0.2	NA	17.1 B	NA	7420 J	7400 J	<5	NA	<5	NA	277000	276000	5.5 B J	NA	NA	NA	3900	59.3	NA	<20	NA
UAW16-10 (Dup)	10/12/2001	2740	NA	<0.2	NA	17.5 B	NA	7310 J	7360 J	<5	NA	<5	NA	275000	278000	8.6 B J	NA	NA	NA	6300	59.1	NA	<20	NA
	11/13/2001	2390 J	NA	<0.2	NA	12.7 B	NA	9650 J	8630 J	<5	NA	<5	NA	281000 J	244000 J	<10	NA	NA	NA	2500	29.1	NA	<20	NA
	10/18/2002	4460 J	NA	<0.2	NA	24.3 B	NA	10500 J	NA	<5	NA	NA	NA	367000	NA	8.9 B	NA	741	NA	7800	5.7 B J	NA	<20	NA
	11/17/2003	3180 J	NA	<0.2	NA	17.1 B J	NA	7040 J	NA	<5	NA	1.3 B	NA	242000	NA	8.5 B J	NA	665	NA	1800	4.1 B	NA	<20	NA
UAW16-10 (Dup)	11/17/2003	3300 J	NA	<0.2	NA	18.3 B J	NA	7290 J	NA	<5	NA	1.3 B	NA	250000	NA	11.9 J	NA	694	NA	1800	4.3 B	NA	<20	NA
	4/7/2004	3130	NA	<0.2	NA	15.3 B	NA	6380 J	NA	<5	NA	<5	NA	200000	NA	6.8 B	NA	602	NA	1100	1.6 B	NA	<20	NA
	11/7/2004	2520	NA	<0.2	NA	<40	NA	5150 J	NA	<5	NA	<5	NA	127000	NA	<10	NA	623	NA	4400	0.8 B	NA	<20	NA
	11/15/2005	2260	NA	<0.2	NA	7.2 B	NA	4950 B J	NA	<5	NA	<5	NA	166000	NA	<10	NA	2000	NA	NA	2.0 B	NA	<20	NA
	11/6/2006	1690 J	NA	<0.2	NA	6.8 B	NA	6580 J	NA	< 5	NA	< 5	NA	211000	NA	< 10	NA	1060	NA	NA	2.1 B	NA	< 20	NA
	11/19/2007	1660 J	NA	< 0.2	NA	12.7 B	NA	10800	NA	< 5	NA	< 5	NA	369000	NA	6.6 B	NA	973	NA	NA	3.2 B	NA	7.9 B	NA
	11/18/2008	4830 J	NA	< 0.2	NA	13 B	NA	10700 J	NA	< 5	NA	< 5	NA	594000	NA	< 10	NA	798	NA	NA	< 7	NA	7.9 B	NA
	11/20/2009	2040	NA	< 0.2	NA	4.3 B	NA	4940 B	NA	< 5	NA	< 5	NA	213000	NA	< 10	NA	567	NA	NA	1.1 B	NA	< 20	NA
UAW17-40	5/5/2001	242	NA	<0.2	NA	12.5 B	NA	1900 B	2020 B	<5	NA	<5	NA	17400	18300	<10	NA	NA	NA	<1000	1.5 B	NA	<20	NA
	11/9/2001	301 J	NA	<0.2	NA	5 B	NA	1720 B	1750 B	<5	NA	<5	NA	13100 J	13300 J	<10	NA	NA	NA	<1000	0.92 B	NA	<20	NA
	10/16/2002	268 J	NA	<0.2	NA	5.3 B	NA	1480 B J	NA	<5	NA	NA	NA	11100	NA	<10	NA	<100	NA	5400	1.2 B J	NA	<20	NA
	11/16/2003	241 J	NA	<0.2	NA	6.9 B J	NA	1330 B J E	NA	<5	NA	<5	NA	10700	NA	12.7 J	NA	<100	NA	<1000	<7	NA	<20	NA
	3/31/2004	148 J	NA	<0.2	NA	3.9 B	NA	1390 B J E	NA	<5	NA	<5	NA	11300	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	11/6/2004	250 J	NA	<0.2	NA	<40	NA	948 B J	NA	<5	NA	<5	NA	10500	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	11/14/2005	266 J	NA	<0.2	NA	1.4 B	NA	817 B	NA	<5	NA	<5	NA	9590	NA	<10	NA	<100	NA	NA	<7	NA	<20	NA
	10/31/2006	309 J	NA	<0.2	NA	< 40	NA	966 B J	NA	< 5	NA	< 5	NA	10300	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/19/2007	311 J	NA	< 0.2	NA	< 40	NA	851 B	NA	< 5	NA	< 5	NA	13400	NA	5.8 B	NA	8 B	NA	NA	< 7	NA	< 20	NA
	11/7/2008	285 J	NA	< 0.2	NA	< 40	NA	1000 B	NA	< 5	NA	< 5	NA	13400	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/13/2009	309	NA	< 0.2	NA	< 40	NA	834 B	NA	< 5	NA	< 5	NA	9200	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA

Table B-4
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Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Aluminum	Aluminum-DISS	Antimony	Antimony-DISS	Arsenic	Arsenic-DISS	Barium	Barium-DISS	Beryllium	Beryllium-DISS	Cadmium	Cadmium-DISS	Calcium	Calcium-DISS	Chromium	Chromium-DISS	Cobalt	Cobalt-DISS	Copper	Copper-DISS	Cyanide, Total	Hexavalent Chromium	Iron	Iron-DISS	Lead	Lead-DISS	Magnesium	Magnesium-DISS
Groundwater																													
UAW18-20	10/12/2001	97.9 B	NA	<10	NA	12	NA	169 B	NA	<5	NA	0.31 B	NA	73100	72200	1.5 B	NA	2 B	NA	<25	NA	4.7 B	NA	5340	5300	<3	NA	13900	13800
	11/13/2001	60.8 B	NA	<10	NA	11.7	NA	186 B	NA	<5	NA	<2	NA	89100 J	81900 J	<5	NA	1.8 B	NA	<25	NA	5.4 B	NA	4800	<100	<3	NA	16800 J	15600 J
	10/18/2002	<200	NA	<10	NA	13.1	NA	49.5 B	NA	<5	NA	<2	NA	23600 J	NA	2 B	NA	2.2 B	NA	<25	NA	<10	NA	1570	NA	<3	NA	6820 J	NA
	11/16/2003	70.5 B J	NA	<10	NA	17.8	NA	197 B J	NA	<5	NA	1 B J	NA	99800 J	NA	4.9 B J	NA	1.8 B J	NA	2.6 B J	NA	<10	NA	1710	NA	<3	NA	39900 J	NA
	4/7/2004	40.6 B J	NA	<10	NA	8.2 B	NA	299 J	NA	<5	NA	<2	NA	216000	NA	<5	NA	<7	NA	<25	NA	<10	NA	3300	NA	<3	NA	81500 J	NA
	11/7/2004	104 B J	NA	<10	NA	32.3	NA	759	NA	<5	NA	<2	NA	469000	NA	<5	NA	<7	NA	<25	NA	<10	NA	3370	NA	<3	NA	105000	NA
	11/15/2005	263	NA	<10	NA	<10	NA	65 B	NA	0.47 U	NA	<2	NA	75800	NA	<5	NA	2.3 B	NA	2.3 B	NA	NA	NA	1120	NA	<3	NA	12300	NA
	11/6/2006	118 B	NA	< 10	NA	26.9	NA	153 B	NA	< 5	NA	< 2	NA	108000 J	NA	< 5	NA	< 7	NA	4 B J	NA	NA	NA	1690	NA	< 3	NA	25000	NA
	11/16/2007	124 B	NA	< 10	NA	7.7 B	NA	416	NA	< 5	NA	< 2	NA	204000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	2990	NA	< 3	NA	45000	NA
	11/18/2008	353	NA	< 10	NA	4.6 B	NA	281 J	NA	< 5	NA	< 2	NA	224000 J	NA	2.5 B	NA	< 7	NA	< 25	NA	NA	NA	4870	NA	< 3	NA	47800 J	NA
	11/24/2009	< 200	NA	< 10	NA	4.4 B	NA	489	NA	< 5	NA	< 2	NA	343000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	11400	NA	< 3	NA	67900	NA
UAW19-80	5/6/2001	150 B	NA	<10	NA	<10	NA	112 B	NA	<5	NA	0.33 B	NA	194000	191000	1.4 B	NA	<7	NA	<25	NA	<10	NA	363	<100	<3	NA	58700	55400
	11/12/2001	1010 J	NA	<10	NA	<10	NA	113 B	NA	<5	NA	<2	NA	177000	186000	19.6	NA	1.4 B	NA	12.4 B	NA	<10	NA	1700	<100	<3	NA	52700	55400
UAW19-80 (Dup)	11/12/2001	65.4 B J	NA	<10	NA	<10	NA	25.4 B	NA	<5	NA	0.62 B	NA	358000	349000	11.8	NA	13.3	NA	12.1 B	NA	<10	NA	<100	<100	<3	NA	81600	79200
	10/17/2002	406	NA	<10	NA	<10	NA	107 B	NA	<5	NA	<2	NA	197000 J	NA	6.5	NA	0.84 B	NA	<25	NA	<10	NA	592	NA	<3	NA	57700 J	NA
UAW19-80 (Dup)	10/17/2002	345	NA	<10	NA	<10	NA	110 B	NA	<5	NA	<2	NA	194000 J	NA	6.3	NA	0.89 B	NA	<25	NA	<10	NA	544	NA	<3	NA	57100 J	NA
	11/13/2003	76.3 B	NA	<10	NA	<10	NA	88.9 B J	NA	0.72 B	NA	<2	NA	196000 J	NA	5.8	NA	<7	NA	<25	NA	<10	NA	138 J	NA	<3	NA	56600	NA
	3/30/2004	423	NA	<10	NA	<10	NA	95.7 B	NA	<5	NA	<2	NA	213000 J	NA	5.2	NA	<7	NA	<25	NA	<10	NA	549	NA	<3	NA	61100 J	NA
	11/5/2004	51.4 B	NA	<10	NA	<10	NA	83.4 B	NA	<5	NA	<2	NA	201000	NA	<5	NA	<7	NA	<25	NA	<10	NA	116	NA	<3	NA	59000 J	NA
	11/11/2005	86.8 B	NA	<10	NA	<10	NA	81.5 B	NA	<5	NA	<2	NA	190000 J	NA	<5	NA	<7	NA	<25	NA	NA	NA	115	NA	<3	NA	58000	NA
UAW19-80FD(Dup)	11/11/2005	79.8 B	NA	<10	NA	<10	NA	79.7 B	NA	<5	NA	<2	NA	186000 J	NA	<5	NA	<7	NA	<25	NA	NA	NA	120	NA	<3	NA	57000	NA
	11/8/2006	1970	NA	< 10	NA	< 10	NA	108 B	NA	< 5	NA	< 2	NA	213000 J	NA	16.1	NA	< 7	NA	5.3 B J	NA	NA	NA	3230	NA	2.2 B	NA	63700	NA
	11/14/2007	< 200	NA	< 10	NA	< 10	NA	79.9 B	NA	< 5	NA	< 2	NA	202000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	59400	NA
	11/11/2008	< 200	NA	< 10	NA	< 10	NA	65.9 B J	NA	< 5	NA	< 2	NA	192000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	57900 J	NA
	11/23/2009	< 200	NA	< 10	NA	< 10	NA	67.7 B	NA	< 5	NA	< 2	NA	180000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	52600	NA
UAW20-60	5/7/2001	200	NA	<10	NA	<10	NA	149 B	NA	<5	NA	<2	NA	390000	482000	4.1 B	NA	3 B	NA	16.8 B	NA	<10	NA	268	<100	<3	NA	97400	122000
	11/14/2001	<200	NA	<10	NA	<10	NA	26.5 B	NA	<5	NA	0.3 B	NA	446000	430000	<5	NA	2.3 B	NA	5.8 B	NA	2.9 B	NA	<100	<100	<3	NA	124000 J	120000 J
UAW20-60 (Dup)	11/14/2001	70.6 B J	NA	2.8 B	NA	<10	NA	26.1 B	NA	<5	NA	0.33 B	NA	436000	431000	<5	NA	2.2 B	NA	5.3 B	NA	1.9 B	NA	175	<100	<3	NA	123000 J	121000 J
	10/19/2002	76.5 B J	NA	<10	NA	<10	NA	20.8 B	NA	<5	NA	0.4 B	NA	373000 J	NA	6	NA	1.6 B	NA	<25	NA	<10	NA	50.3 B	NA	<3	NA	104000	NA
UAW20-60 (Dup)	10/19/2002	102 B J	NA	<10	NA	20.8	NA	69 B	NA	<5	NA	<2	NA	242000 J	NA	4.7 B	NA	0.81 B	NA	<25	NA	<10	NA	939	NA	<3	NA	36600	NA
	11/13/2003	<200	NA	<10	NA	<10	NA	19.9 B J	NA	0.6 B	NA	<2	NA	377000 J	NA	2.2 B	NA	1.2 B	NA	<25	NA	<10	NA	<100	NA	<3	NA	96900	NA
	3/30/2004	59.4 B J	NA	<10	NA	<10	NA	18.4 B	NA	<5	NA	0.57 B	NA	385000	NA	43.3	NA	2.1 B	NA	3.9 B	NA	<10	NA	333	NA	<3	NA	99400	NA
	11/5/2004	<200	NA	<10	NA	<10	NA	18.5 B	NA	<5	NA	<2	NA	422000	NA	1.9 B	NA	<7	NA	<25	NA	<10	NA	<100	NA	<3	NA	109000 J	NA
	11/11/2005	<200	NA	<10	NA	<10	NA	19.8 B	NA	<5	NA	<2	NA	423000 J	NA	<5	NA	<7	NA	<25	NA	NA	NA	148	NA	<3	NA	120000	NA
	11/7/2006	< 200	NA	< 10	NA	< 10	NA	21.5 B	NA	< 5	NA	0.87 B	NA	355000 J	NA	5.7	NA	< 7	NA	3.9 B J	NA	NA	NA	758	NA	< 3	NA	100000	NA
	11/15/2007	< 200	NA	< 10	NA	4.2 B	NA	20.4 B	NA	< 5	NA	1 B	NA	343000	NA	4.7 B	NA	2.7 B	NA	6 B	NA	NA	NA	306	NA	< 3	NA	97000	NA
	11/18/2008	< 200	NA	< 10	NA	< 10	NA	18 B J	NA	< 5	NA	< 2	NA	309000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	91800 J	NA
	11/23/2009	< 200	NA	< 10	NA	< 10	NA	23.3 B	NA	< 5	NA	< 2	NA	204000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	94.1 B	NA	< 3	NA	69400	NA

Table B-4
Summary of Inorganic Detections in Groundwater,
Seep, and Surface Water Samples
Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Manganese	Manganese-DISS	Mercury	Mercury-DISS	Nickel	Nickel-DISS	Potassium	Potassium-DISS	Selenium	Selenium-DISS	Silver	Silver-DISS	Sodium	Sodium-DISS	Thallium	Thallium-DISS	Tin	Tin-DISS	Total Sulfide	Vanadium	Vanadium-DISS	Zinc	Zinc-DISS
Groundwater																								
UAW18-20	10/12/2001	1220	NA	<0.2	NA	28.8 B	NA	6060 J	6200 J	<5	NA	<5	NA	1520000	1490000	5.8 B J	NA	NA	NA	3100	1.7 B	NA	<20	NA
	11/13/2001	1130 J	NA	<0.2	NA	28.6 B	NA	6120 J	5510 J	<5	NA	<5	NA	1720000 J	1610000 J	<10	NA	NA	NA	2200	<7	NA	<20	NA
	10/18/2002	282 J	NA	<0.2	NA	16.3 B	NA	1830 B J	NA	<5	NA	NA	NA	487000	NA	<10	NA	1670	NA	3000	1.8 B J	NA	<20	NA
	11/16/2003	685 J	NA	<0.2	NA	37.6 B J	NA	6240 J	NA	<5	NA	1.2 B	NA	1040000	NA	12.5 J	NA	2000	NA	800 B	1.5 B	NA	<20	NA
	4/7/2004	1900	NA	<0.2	NA	33.4 B	NA	6950 J	NA	<5	NA	<5	NA	905000	NA	8.4 B	NA	1710	NA	960 B	1.2 B	NA	<20	NA
	11/7/2004	5390	NA	<0.2	NA	62.8	NA	7970 J	NA	<5	NA	<5	NA	1200000	NA	5 B	NA	2040	NA	4600	3.5 B	NA	<20	NA
	11/15/2005	460	NA	<0.2	NA	6.3 B	NA	1620 B J	NA	4.6 B	NA	<5	NA	111000	NA	<10	NA	152	NA	NA	<7	NA	53.8	NA
	11/6/2006	1050 J	NA	<0.2	NA	13.4 B	NA	2340 B J	NA	< 5	NA	< 5	NA	537000	NA	< 10	NA	3660	NA	NA	< 7	NA	12.2 B J	NA
	11/16/2007	1660	NA	< 0.2	NA	23.4 B	NA	4350 B J	NA	< 5	NA	< 5	NA	1020000	NA	< 10	NA	729	NA	NA	1.3 B	NA	24	NA
	11/18/2008	1890 J	NA	< 0.2	NA	34.9 B	NA	6430 J	NA	< 5	NA	< 5	NA	462000	NA	< 10	NA	391	NA	NA	0.69 B	NA	29.1	NA
	11/24/2009	4690	NA	< 0.2	NA	23.9 B	NA	6730	NA	< 5	NA	< 5	NA	1040000	NA	< 10	NA	1260	NA	NA	< 7	NA	< 20	NA
UAW19-80	5/6/2001	117	NA	<0.2	NA	11.7 B	NA	1970 B	1780 B	<5	NA	<5	NA	53000	51200	<10	NA	NA	NA	990 B	<7	NA	18.4 B	NA
	11/12/2001	60.9	NA	<0.2	NA	14.1 B	NA	2020 B	1850 B	<5	NA	<5	NA	58700	59400	10.3 J	NA	NA	NA	<1000	1 B	NA	<20	NA
UAW19-80 (Dup)	11/12/2001	1190	NA	<0.2	NA	66.3	NA	5960	5750	<5	NA	<5	NA	261000	254000	8.2 B J	NA	NA	NA	<1000	<7	NA	<20	NA
	10/17/2002	27.8 J	NA	<0.2	NA	6.2 B	NA	2130 B J	NA	<5	NA	NA	NA	60100	NA	7.6 B	NA	<100	NA	300 B	1 B J	NA	<20	NA
UAW19-80 (Dup)	10/17/2002	26.9 J	NA	<0.2	NA	5.8 B	NA	2090 B J	NA	<5	NA	NA	NA	59700	NA	5.9 B	NA	<100	NA	620 B	1.1 B J	NA	<20	NA
	11/13/2003	17.5 J	NA	<0.2	NA	10.8 B	NA	1870 B J	NA	<5	NA	<5	NA	59600	NA	<10	NA	<100	NA	420 B	<7	NA	<20	NA
	3/30/2004	28.4 J	NA	<0.2	NA	<40	NA	1830 B J	NA	<5	NA	<5	NA	62400	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	11/5/2004	12.8 B J	NA	<0.2	NA	3.4 B	NA	1880 B	NA	<5	NA	<5	NA	63900	NA	<10	NA	<100	NA	640 B	<7	NA	<20	NA
	11/11/2005	17.8 J	NA	<0.2	NA	2.0 B	NA	1890 B	NA	<5	NA	<5	NA	69200	NA	<10	NA	<100	NA	NA	<7	NA	<20	NA
UAW19-80FD(Dup)	11/11/2005	17.0 J	NA	<0.2	NA	1.7 B	NA	1870 B	NA	<5	NA	<5	NA	67900	NA	<10	NA	<100	NA	NA	<7	NA	<20	NA
	11/8/2006	80.2 J	NA	<0.2	NA	4.4 B	NA	2280 B J	NA	< 5	NA	< 5	NA	68800	NA	< 10	NA	< 100	NA	NA	3.1 B	NA	10 B J	NA
	11/14/2007	14.3 B	NA	< 0.2	NA	< 40	NA	2060 B J	NA	< 5	NA	< 5	NA	69600	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/11/2008	12.2 B J	NA	< 0.2	NA	< 40	NA	1690 B	NA	< 5	NA	< 5	NA	62300	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/23/2009	13.7 B	NA	< 0.2	NA	< 40	NA	1700 B	NA	< 5	NA	< 5	NA	65700	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
UAW20-60	5/7/2001	366	NA	<0.2	NA	18.4 B	NA	4060 B	3640 B	<5	NA	<5	NA	128000	162000	7.4 B	NA	NA	NA	960 B	<7	NA	14.4 B MBE	NA
	11/14/2001	303	NA	<0.2	NA	8.7 B	NA	3640 B	3530 B	<5	NA	<5	NA	139000	134000	13.8	NA	NA	NA	1600	<7	NA	<20	NA
UAW20-60 (Dup)	11/14/2001	303	NA	<0.2	NA	8.9 B	NA	3550 B L	3610 B	<5	NA	<5	NA	137000	137000	10.3	NA	NA	NA	1800	<7	NA	<20	NA
	10/19/2002	179	NA	<0.2	NA	7.1 B	NA	2350 B J	NA	<5	NA	NA	NA	114000	NA	5.5 B	NA	15 B	NA	<1000	<7	NA	<20	NA
UAW20-60 (Dup)	10/19/2002	696	NA	<0.2	NA	38.2 B	NA	4970 B J	NA	<5	NA	NA	NA	234000	NA	6.6 B	NA	547	NA	<1000	5.2 B	NA	<20	NA
	11/13/2003	111 J	NA	<0.2	NA	7.1 B	NA	2240 B J	NA	<5	NA	<5	NA	99100	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	3/30/2004	96.3 J	NA	<0.2	NA	21.6 B	NA	2080 B J	NA	<5	NA	<5	NA	103000	NA	<10	NA	9 B	NA	1400	<7	NA	<20	NA
	11/5/2004	95.3 J	NA	<0.2	NA	6.5 B	NA	2250 B	NA	<5	NA	<5	NA	104000	NA	7.9 B	NA	<100	NA	<1000	<7	NA	<20	NA
	11/11/2005	127 J	NA	<0.2	NA	7.0 B	NA	2460 B	NA	<5	NA	<5	NA	109000	NA	<10	NA	<100	NA	NA	<7	NA	9.5 U	NA
	11/7/2006	94.7 J	NA	<0.2	NA	8.2 B	NA	1960 B J	NA	< 5	NA	< 5	NA	85200	NA	5.3 B	NA	9.8 B	NA	NA	< 7	NA	8.3 B J	NA
	11/15/2007	80.6	NA	< 0.2	NA	6.7 B	NA	2180 B J	NA	< 5	NA	< 5	NA	85600	NA	< 10	NA	7.3 B	NA	NA	< 7	NA	5.6 B	NA
	11/18/2008	56.2 J	NA	< 0.2	NA	4.8 B	NA	2070 B J	NA	< 5	NA	< 5	NA	73200	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/23/2009	68.4	NA	< 0.2	NA	4.7 B	NA	2040 B	NA	< 5	NA	< 5	NA	75000	NA	< 10	NA	4.8 B	NA	NA	< 7	NA	< 20	NA

Table B-4
Summary of Inorganic Detections in Groundwater,
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Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Aluminum	Aluminum-DISS	Antimony	Antimony-DISS	Arsenic	Arsenic-DISS	Barium	Barium-DISS	Beryllium	Beryllium-DISS	Cadmium	Cadmium-DISS	Calcium	Calcium-DISS	Chromium	Chromium-DISS	Cobalt	Cobalt-DISS	Copper	Copper-DISS	Cyanide, Total	Hexavalent Chromium	Iron	Iron-DISS	Lead	Lead-DISS	Magnesium	Magnesium-DISS
Groundwater																													
UAW21-30	5/5/2001	832	NA	<10	NA	<10	NA	125 B	NA	<5	NA	<2	NA	153000	191000	1.5 B	NA	1.3 B	NA	9.9 B	NA	<10	NA	923	<100	<3	NA	40200	50200
	11/11/2001	3170 J	NA	2.5 B	NA	<10	NA	55.4 B	NA	<5	NA	<2	NA	109000	107000	670	NA	6.5 B	NA	24.2 B	NA	3.4 B	NA	5520	<100	2.7 B	NA	27000	25400
	10/18/2002	1500	NA	<10	NA	<10	NA	51.6 B	NA	<5	NA	<2	NA	105000 J	NA	349	NA	18.7	NA	7.9 B	NA	<10	NA	4500	NA	2.1 B	NA	28200 J	NA
	11/11/2003	4660	NA	<10	NA	5.6 B	NA	60.1 B J	NA	<5	NA	<2	NA	121000 J	NA	348	NA	8.5	NA	15.3 B	NA	<10	NA	8000	NA	4.8	NA	32200 J	NA
	3/27/2004	1570 J	NA	<10	NA	3.1 B	NA	52 B	NA	<5	NA	<2	NA	115000	NA	209	NA	4.9 B	NA	15.8 B J	NA	<10	NA	3720	NA	<3	NA	30800	NA
	11/3/2004	1650	NA	<10	NA	<10	NA	51.6 B	NA	<5	NA	<2	NA	105000	NA	172	NA	6.8 B	NA	19.5 B	NA	<10	NA	4030	NA	4	NA	27500	NA
	11/9/2005	283	NA	<10	NA	<10	NA	53.8 B	NA	0.32 B	NA	<2	NA	114000 J	NA	63.6	NA	4.2 B	NA	3.0 B J	NA	NA	NA	829	NA	<3	NA	30300	NA
	11/9/2006	7270	NA	< 10	NA	7 B	NA	113 B	NA	0.75 B	NA	< 2	NA	140000 J	NA	7230	NA	91.4	NA	157	NA	NA	NA	56500	NA	11.4	NA	39700	NA
	11/6/2007	< 200	NA	< 10	NA	< 10	NA	108 B J	NA	< 5	NA	< 2	NA	165000 J	NA	450	NA	11.5 U	NA	20.9 B	NA	NA	NA	7580	NA	< 3	NA	42200 J	NA
	11/5/2008	< 200	NA	< 10	NA	< 10	NA	48 B J	NA	< 5	NA	< 2	NA	87900 J	NA	21.5	NA	2.5 B	NA	< 25	NA	NA	NA	643 J	NA	< 3	NA	22800 J	NA
	11/13/2009	< 200	NA	< 10	NA	< 10	NA	58.4 B	NA	< 5	NA	< 2	NA	95800	NA	201	NA	9	NA	6 B	NA	NA	NA	2500	NA	< 3	NA	23600	NA
UAW21-80	5/5/2001	271	NA	<10	NA	24.2	NA	258	NA	<5	NA	<2	NA	135000	127000	<5	NA	<7	NA	<25	NA	<10	NA	2020	<100	<3	NA	42800	42200
	11/11/2001	282	NA	<10	NA	42.6	NA	231	NA	<5	NA	<2	NA	136000 J	142000 J	2.1 B	NA	<7	NA	<25	NA	<10	NA	2990	<100	<3	NA	44500	46300
	10/18/2002	486	NA	<10	NA	45.5	NA	232	NA	<5	NA	<2	NA	143000 J	NA	9.7	NA	2.2 B	NA	<25	NA	<10	NA	3780	NA	<3	NA	45400 J	NA
	11/11/2003	<200	NA	<10	NA	45.5	NA	230 J	NA	<5	NA	<2	NA	162000 J	NA	1.6 B	NA	<7	NA	<25	NA	<10	NA	2820	NA	<3	NA	50200 J	NA
	3/27/2004	69.5 B J	NA	<10	NA	44.2	NA	222	NA	<5	NA	<2	NA	147000	NA	<5	NA	1 B	NA	<25	NA	<10	NA	2610	NA	<3	NA	45800	NA
	11/3/2004	<200	NA	<10	NA	41.7	NA	215	NA	<5	NA	<2	NA	144000	NA	<5	NA	<7	NA	<25	NA	<10	NA	2460	NA	<3	NA	44700	NA
	11/3/2004	<200	NA	<10	NA	41.7	NA	215	NA	<5	NA	<2	NA	144000	NA	<5	NA	<7	NA	<25	NA	<10	NA	2460	NA	<3	NA	44700	NA
	11/8/2005	58.5 B	NA	<10	NA	38.8	NA	208	NA	<5	NA	<2	NA	132000 J	NA	<5	NA	<7	NA	<25	NA	<10	NA	2360	NA	1.8 B	NA	42500	NA
	11/8/2006	125 B	NA	< 10	NA	45.8	NA	223	NA	< 5	NA	< 2	NA	142000 J	NA	2.1 B	NA	< 7	NA	2.2 B J	NA	NA	NA	2800	NA	< 3	NA	45700	NA
	11/6/2007	< 200	NA	< 10	NA	14.8	NA	162 B J	NA	< 5	NA	< 2	NA	83800 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	31000 J	NA
	11/5/2008	< 200	NA	< 10	NA	20.7 J	NA	157 B J	NA	< 5	NA	< 2	NA	83300 J	NA	< 5	NA	< 7	NA	6.3 B	NA	NA	NA	< 100	NA	< 3	NA	33500 J	NA
	11/13/2009	< 200	NA	< 10	NA	43.8	NA	214	NA	< 5	NA	< 2	NA	135000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	2500	NA	< 3	NA	42300	NA
UAW22-20	10/13/2001	12100	NA	<10	NA	14.3	NA	182 B	NA	0.9 B	NA	0.29 B	NA	283000	229000	22.2	NA	8.5	NA	29.2	NA	<10	NA	41400	169	12.2	NA	68000	46600
	11/13/2001	14700	NA	<10	NA	15.9	NA	174 B	NA	1.1 B	NA	0.47 B	NA	351000 J	244000 J	27.1	NA	10.6	NA	34.4	NA	2.5 B	NA	31600	253	15.4	NA	97200 J	50200 J
	10/20/2002	642 J	NA	<10	NA	22.3	NA	103 B	NA	<5	NA	<2	NA	156000 J	NA	1.8 B	NA	2.2 B	NA	<25	NA	<10	NA	5000	NA	<3	NA	36500	NA
	11/10/2003	478	NA	<10	NA	7.4 B	NA	189 B J	NA	<5	NA	0.41 B	NA	352000 J	NA	3.8 B	NA	1.7 B	NA	3 B	NA	<10	NA	12200	NA	<3	NA	69200 J	NA
	3/29/2004	1540 J	NA	<10	NA	5.3 B	NA	182 B	NA	<5	NA	0.38 B	NA	298000	NA	2.8 B	NA	1.6 B	NA	4.8 B J	NA	<10	NA	12900	NA	<3	NA	65400	NA
	11/4/2004	128 B J	NA	<10	NA	4.4 B	NA	145 B	NA	<5	NA	0.44 B J	NA	363000	NA	<5	NA	1.8 B J	NA	<25	NA	<10	NA	11600	NA	<3	NA	70000 J	NA
	11/15/2005	410	NA	4.6 B	NA	6.8 B	NA	233	NA	<5	NA	<2	NA	415000 J	NA	3.6 B	NA	<7	NA	3.4 B	NA	NA	NA	11400	NA	2.6 B	NA	75900	NA
	11/9/2006	4950	NA	< 10	NA	< 10	NA	136 B	NA	0.62 B	NA	3.4	NA	238000 J	NA	13.3	NA	5 B	NA	47.6	NA	NA	NA	15100	NA	8.6	NA	56100	NA
	11/16/2007	100 B	NA	< 10	NA	18.9	NA	438	NA	< 5	NA	< 2	NA	296000	NA	2.5 B	NA	< 7	NA	9.8 B	NA	NA	NA	43000	NA	< 3	NA	62200	NA
	11/13/2008	< 200	NA	< 10	NA	< 10	NA	157 B	NA	< 5	NA	< 2	NA	311000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	9650	NA	< 3	NA	63100 J	NA
UAW22-20 Dup	11/13/2008	< 200	NA	2.9 B	NA	5.1 B	NA	166 B	NA	< 5	NA	< 2	NA	310000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	9620	NA	< 3	NA	64200 J	NA
	11/11/2009	< 200	NA	< 10	NA	< 10	NA	150 B	NA	< 5	NA	< 2	NA	232000	NA	< 5	NA	< 7	NA	5.7 B	NA	NA	NA	12600	NA	< 3	NA	42500	NA
UAW23-20	10/12/2001	117 B	NA	<10	NA	<10	NA	29.6 B	NA	<5	NA	<2	NA	408000	403000	6.9	NA	<7	NA	<25	NA	<10	NA	154	109	<3	NA	97200	96200
	11/14/2001	<200	NA	<10	NA	<10	NA	25 B	NA	<5	NA	<2	NA	394000	390000	5.6	NA	6.2 B	NA	<25	NA	2.1 B	NA	1980	488	<3	NA	90900 J	90700 J
	10/19/2002	128 B J	NA	<10	NA	<10	NA	21.7 B	NA	<5	NA	0.56 B	NA	305000 J	NA	54.2	NA	6.7 B	NA	2.5 B	NA	<10	NA	2860	NA	<3	NA	68000	NA
	11/13/2003	<200	NA	<10	NA	3 B	NA	19.9 B J	NA	<5	NA	<2	NA	309000 J	NA	32.4	NA	12.1	NA	<25	NA	<10	NA	3750 J	NA	<3	NA	66900	NA
	3/28/2004	771 J	NA	<10	NA	<10	NA	36.9 B	NA	<5	NA	0.79 B	NA	322000	NA	932	NA	3.6 B	NA	25.4 J	NA	<10	NA	8010	NA	<3	NA	71000	NA
	11/5/2004	<200	NA	<10	NA	<10	NA	25.8 B	NA	<5	NA	<2	NA	358000	NA	35.7	NA	1.3 B	NA	<25	NA	<10	NA	562	NA	<3	NA	75900 J	NA
	11/14/2005	<200	NA	<10	NA	<10	NA	38.2 B	NA	<5	NA	<2	NA	347000 J	NA	154	NA	6.3 B	NA	2.5 B	NA	NA	NA	3390	NA	<3	NA	78300	NA
	11/6/2006	< 200	NA	< 10	NA	< 10	NA	35.4 B	NA	< 5	NA	< 2	NA	361000 J	NA	209	NA	1.9 B	NA	2.6 B J	NA	NA	NA	3420	NA	< 3	NA	80600	NA
	11/13/2007	< 200	NA	9.7 B	NA	< 10	NA	28.8 B	NA	< 5	NA	< 2	NA	329000 J	NA	103	NA	2.1 B	NA	< 25	NA	NA	NA	4270	NA	< 3	NA	71600	NA
	11/13/2008	< 200	NA	2.9 B	NA	< 10	NA	26.8 B	NA	< 5	NA	< 2	NA	309000 J	NA	65	NA	< 7	NA	< 25	NA	NA	NA	2800	NA	< 3	NA	65900 J	NA
	11/24/2009	< 200	NA	< 10	NA	7.9 B	NA	72.5 B	NA	< 5	NA	< 2	NA	312000	NA	671	NA	6.1 B	NA	< 25	NA	NA	NA	10500	NA	< 3	NA	67800	NA

Table B-4
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Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Manganese	Manganese-DISS	Mercury	Mercury-DISS	Nickel	Nickel-DISS	Potassium	Potassium-DISS	Selenium	Selenium-DISS	Silver	Silver-DISS	Sodium	Sodium-DISS	Thallium	Thallium-DISS	Tin	Tin-DISS	Total Sulfide	Vanadium	Vanadium-DISS	Zinc	Zinc-DISS
Groundwater																								
UAW21-30	5/5/2001	82.8	NA	<0.2	NA	17.7 B	NA	5210	6420	<5	NA	<5	NA	284000	347000	<10	NA	NA	NA	<1000	0.95 B	NA	<20	NA
	11/11/2001	152	NA	<0.2	NA	170	NA	3610 B	2820 B	<5	NA	<5	NA	53500	54100	6.7 B J	NA	NA	NA	<1000	6.4 B	NA	30	NA
	10/18/2002	340 J	NA	<0.2	NA	623	NA	3410 B J	NA	<5	NA	NA	NA	47800	NA	6.4 B	NA	<100	NA	460 B	4.9 B J	NA	<20	NA
	11/11/2003	174 J	NA	<0.2	NA	103	NA	4350 B J	NA	<5	NA	<5	NA	48100	NA	9 B	NA	<100	NA	<1000	9	NA	29.8 J	NA
	3/27/2004	108 J	NA	<0.2	NA	171	NA	3560 B J	NA	8.7	NA	<5	NA	37800	NA	7.3 B J	NA	<100	NA	1000	3 B	NA	<20	NA
	11/3/2004	126	NA	<0.2	NA	518	NA	3460 B J	NA	4.3 B	NA	<5	NA	46200	NA	<10	NA	19.4 B	NA	<1000	3.1 B	NA	14.3 B	NA
	11/9/2005	67.3 J	NA	<0.2	NA	600 J	NA	3570 B J	NA	3.6 B	NA	<5	NA	78800	NA	<10	NA	<100	NA	NA	<7	NA	<20	NA
	11/9/2006	1200 J	NA	<0.2	NA	1950	NA	5410 J	NA	< 5	NA	< 5	NA	77600	NA	< 10	NA	6.8 B	NA	NA	39.3	NA	35.9 J	NA
	11/6/2007	107 J	NA	< 0.2	NA	994	NA	4610 B J	NA	< 5	NA	< 5	NA	245000	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/5/2008	40.9	NA	< 0.2	NA	261	NA	3490 B J	NA	4.8 B	NA	< 5	NA	63300	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/13/2009	121	NA	< 0.2	NA	249	NA	3540 B	NA	< 5	NA	< 5	NA	86800	NA	10 U	NA	3.7 B	NA	NA	< 7	NA	< 20	NA
UAW21-80	5/5/2001	609	NA	<0.2	NA	7.6 B	NA	1190 B	1210 B	<5	NA	<5	NA	28600	26900	<10	NA	NA	NA	<1000	<7	NA	13.8 B	NA
	11/11/2001	728	NA	<0.2	NA	7.5 B	NA	1350 B	1310 B	<5	NA	<5	NA	30700	31900	9.2 B	NA	NA	NA	<1000	<7	NA	<20	NA
	10/18/2002	787 J	NA	<0.2	NA	12.7 B	NA	1380 B J	NA	<5	NA	NA	NA	31900	NA	<10	NA	<100	NA	<1000	1.6 B J	NA	<20	NA
	11/11/2003	791 J	NA	<0.2	NA	9.5 B	NA	1300 B J	NA	<5	NA	<5	NA	39800	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	3/27/2004	798 J	NA	<0.2	NA	6.6 B	NA	1040 B J	NA	4.6 B	NA	<5	NA	38700	NA	<10	NA	<100	NA	410 B	<7	NA	<20	NA
	11/3/2004	760	NA	<0.2	NA	6.2 B	NA	1130 B J	NA	<5	NA	<5	NA	41700	NA	5.2 B	NA	<100	NA	<1000	<7	NA	<20	NA
	11/3/2004	760	NA	<0.2	NA	6.2 B	NA	1130 B J	NA	<5	NA	<5	NA	41700	NA	5.2 B	NA	<100	NA	<1000	<7	NA	<20	NA
	11/8/2005	739 J	NA	<0.2	NA	7.1 B	NA	1180 B J	NA	<5	NA	<5	NA	48400	NA	<10	NA	<100	NA	<1000	<7	NA	13.4 B	NA
	11/8/2006	789 J	NA	<0.2	NA	6.2 B	NA	1110 B J	NA	< 5	NA	< 5	NA	50900	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/6/2007	< 15	NA	< 0.2	NA	< 40	NA	7190 J	NA	< 5	NA	< 5	NA	29900	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/5/2008	0.89 B	NA	< 0.2	NA	< 40	NA	6680 J	NA	< 5	NA	< 5	NA	31600	NA	< 10	NA	< 100	NA	NA	0.76 B	NA	< 20	NA
	11/13/2009	768	NA	< 0.2	NA	6.8 B	NA	1160 B	NA	< 5	NA	< 5	NA	50700	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
UAW22-20	10/13/2001	8260	NA	<0.2	NA	56.4	NA	18400 J	15500 J	<5	NA	<5	NA	661000	673000	<10	NA	NA	NA	<1000	24	NA	86.8	NA
	11/13/2001	6960 J	NA	<0.2	NA	57.3	NA	16600 J	12400 J	<5	NA	<5	NA	706000 J	676000 J	<10	NA	NA	NA	1800	29.6	NA	132 J	NA
	10/20/2002	3350	NA	<0.2	NA	28 B	NA	6330 J E	NA	<5	NA	NA	NA	381000	NA	<10	NA	979	NA	1400	7.2	NA	<20	NA
	11/10/2003	10800 J	NA	<0.2	NA	20.8 B	NA	8380 J	NA	<5	NA	<5	NA	996000	NA	<10	NA	529	NA	<1000	2.7 B	NA	59.3 J	NA
	3/29/2004	9640 J	NA	<0.2	NA	11.4 B	NA	9510 J	NA	<5	NA	<5	NA	921000	NA	<10	NA	203	NA	410 B	3.6 B	NA	<20	NA
	11/4/2004	11800 J	NA	<0.2	NA	15.4 B	NA	7910 J	NA	<5	NA	<5	NA	726000	NA	6.3 B	NA	460	NA	<1000	1 B	NA	<20	NA
	11/15/2005	13000 J	NA	<0.2	NA	22.6 B	NA	13300	NA	<5	NA	<5	NA	1260000	NA	<10	NA	266	NA	NA	3.7 B	NA	8.5 U	NA
	11/9/2006	7620 J	NA	<0.2	NA	78.1	NA	11600 J	NA	< 5	NA	< 5	NA	1020000	NA	11.9	NA	117	NA	NA	11.3	NA	65.6 J	NA
	11/16/2007	7330	NA	< 0.2	NA	17.3 B	NA	10600 J	NA	< 5	NA	< 5	NA	662000	NA	< 10	NA	261	NA	NA	< 7	NA	11 B	NA
	11/13/2008	7230 J	NA	< 0.2	NA	13.7 B	NA	8450	NA	< 5	NA	< 5	NA	749000	NA	< 10	NA	336	NA	NA	< 7	NA	10.6 B	NA
UAW22-20 Dup	11/13/2008	7140 J	NA	< 0.2	NA	13.6 B	NA	8640	NA	< 5	NA	< 5	NA	771000	NA	< 10	NA	288	NA	NA	0.89 B	NA	12.3 B	NA
	11/11/2009	8110	NA	< 0.2	NA	3.4 B	NA	6930	NA	< 5	NA	< 5	NA	1490000	NA	< 10	NA	198	NA	NA	< 7	NA	13.7 B	NA
UAW23-20	10/12/2001	31.5	NA	<0.2	NA	12.8 B	NA	26900 J	26800 J	6.1	NA	<5	NA	167000	166000	8.9 B J	NA	NA	NA	2000	<7	NA	<20	NA
	11/14/2001	227	NA	<0.2	NA	296	NA	23200	23500	9.5	NA	<5	NA	169000	169000	11.3	NA	NA	NA	<1000	<7	NA	<20	NA
	10/19/2002	88.1	NA	<0.2	NA	400	NA	19400 J	NA	20.2	NA	NA	NA	126000	NA	<10	NA	<100	NA	300 B	<7	NA	<20	NA
	11/13/2003	155 J	NA	<0.2	NA	789	NA	21000 J	NA	12.7	NA	<5	NA	99500	NA	<10	NA	<100	NA	420 B	<7	NA	<20	NA
	3/28/2004	89.4 J	NA	<0.2	NA	214	NA	19900 J	NA	18.2	NA	<5	NA	105000	NA	<10	NA	<100	NA	730 B	3.7 B	NA	<20	NA
	11/5/2004	24.4 J	NA	<0.2	NA	81.4	NA	22400	NA	15.1	NA	<5	NA	116000	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	11/14/2005	106 J	NA	<0.2	NA	447	NA	21800	NA	16.9	NA	<5	NA	159000	NA	<10	NA	<100	NA	NA	<7	NA	<20	NA
	11/6/2006	36.3 J	NA	<0.2	NA	86.3	NA	23900 J	NA	18.5	NA	< 5	NA	125000	NA	< 10	NA	11.2 B	NA	NA	< 7	NA	< 20	NA
	11/13/2007	132	NA	< 0.2	NA	395	NA	23200 J	NA	17.1	NA	< 5	NA	109000	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/13/2008	35.5 J	NA	< 0.2	NA	124	NA	21900	NA	45.5	NA	< 5	NA	104000	NA	< 10	NA	< 100	NA	NA	< 7	NA	7.3 B	NA
	11/24/2009	148	NA	< 0.2	NA	310	NA	20100	NA	20	NA	< 5	NA	108000	NA	< 10	NA	< 100	NA	NA	2.9 B	NA	< 20	NA

Table B-4
Summary of Inorganic Detections in Groundwater,
Seep, and Surface Water Samples
Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Aluminum	Aluminum-DISS	Antimony	Antimony-DISS	Arsenic	Arsenic-DISS	Barium	Barium-DISS	Beryllium	Beryllium-DISS	Cadmium	Cadmium-DISS	Calcium	Calcium-DISS	Chromium	Chromium-DISS	Cobalt	Cobalt-DISS	Copper	Copper-DISS	Cyanide, Total	Hexavalent Chromium	Iron	Iron-DISS	Lead	Lead-DISS	Magnesium	Magnesium-DISS
Groundwater																													
UAW24-70	10/13/2001	251	NA	<10	NA	<10	NA	213	NA	<5	NA	<2	NA	128000	129000	2.1 B	NA	<7	NA	<25	NA	<10	NA	355	482	<3	NA	39900	40500
	11/15/2001	358 J	NA	<10	NA	<10	NA	145 B J	NA	<5	NA	<2	NA	71500 J	76500 J	4 B	NA	<7	NA	<25	NA	3.2 B	NA	1030	<100	<3	NA	31500	31500
	10/17/2002	365	NA	<10	NA	6.7 B	NA	227	NA	<5	NA	<2	NA	83100 J	NA	8.3	NA	1.6 B	NA	<25	NA	<10	NA	1270	NA	<3	NA	37300 J	NA
	11/16/2003	<200	NA	<10	NA	12	NA	167 B J	NA	<5	NA	1.2 B J	NA	63300 J	NA	6.5 J	NA	2.2 B J	NA	2.2 B J	NA	<10	NA	843	NA	<3	NA	27400 J	NA
	4/5/2004	<200	NA	<10	NA	11.4	NA	249 J	NA	<5	NA	<2	NA	86300	NA	2.1 B	NA	<7	NA	<25	NA	<10	NA	1310	NA	<3	NA	33600 J	NA
	11/6/2004	<200	NA	<10	NA	4.5 B	NA	260	NA	<5	NA	<2	NA	106000	NA	<5	NA	<7	NA	<25	NA	<10	NA	998	NA	<3	NA	36100	NA
	11/16/2005	74.3 B	NA	<10	NA	15.4	NA	233	NA	<5	NA	<2	NA	83300	NA	<5	NA	<7	NA	<25	NA	NA	NA	1120	NA	<3	NA	33900	NA
	10/31/2006	574	NA	< 10	NA	14.4	NA	280	NA	< 5	NA	< 2	NA	102000 J	NA	3.2 B	NA	< 7	NA	3.2 B J	NA	NA	NA	2260	NA	< 3	NA	37000	NA
	11/7/2007	< 200	NA	< 10	NA	< 10	NA	119 B J	NA	< 5	NA	< 2	NA	8270 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	2600 B J	NA
	11/13/2008	229	NA	< 10	NA	13.8	NA	244	NA	< 5	NA	< 2	NA	90700 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	1510	NA	< 3	NA	33700 J	NA
	11/24/2009	< 200	NA	< 10	NA	21.6	NA	176 B	NA	< 5	NA	< 2	NA	79800	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	1140	NA	< 3	NA	32600	NA
UAW25-20	10/13/2001	383	NA	<10	NA	26.1	NA	171 B	NA	<5	NA	0.38 B	NA	239000	239000	2.6 B	NA	3 B	NA	11.4 B	NA	<10	NA	3550	3530	<3	NA	43200	43300
	11/13/2001	60.2 B	NA	<10	NA	32.4	NA	162 B	NA	<5	NA	<2	NA	223000 J	200000 J	10.5	NA	2.6 B	NA	9 B	NA	<10	NA	6370	327	<3	NA	41800 J	37300 J
	10/18/2002	<200	NA	<10	NA	21.7	NA	186 B	NA	<5	NA	<2	NA	232000 J	NA	7.5	NA	1.5 B	NA	<25	NA	2.8 B	NA	5760	NA	<3	NA	49000 J	NA
	11/12/2003	<200	NA	<10	NA	28.4	NA	250 J	NA	<5	NA	<2	NA	277000 J	NA	43	NA	<7	NA	5.2 B	NA	<10	NA	11100	NA	<3	NA	55000 J	NA
	3/27/2004	246 J	NA	<10	NA	26.6	NA	176 B	NA	<5	NA	<2	NA	199000	NA	505	NA	1.9 B	NA	14.4 B J	NA	<10	NA	10400	NA	<3	NA	40600	NA
	11/3/2004	<200	NA	<10	NA	14.3	NA	228	NA	<5	NA	<2	NA	277000	NA	6.2	NA	1.4 B	NA	4.8 B	NA	<10	NA	7380	NA	<3	NA	58500	NA
	11/9/2005	<200	NA	<10	NA	16.3	NA	330	NA	0.34 B	NA	<2	NA	291000 J	NA	5.5	NA	<7	NA	<25	NA	NA	NA	10000	NA	<3	NA	62900	NA
	11/8/2006	< 200	NA	< 10	NA	57.1	NA	387	NA	< 5	NA	0.87 B	NA	219000 J	NA	281	NA	1.5 B	NA	J	NA	NA	NA	30300	NA	< 3	NA	44700	NA
	11/8/2007	< 200	NA	< 10	NA	22.4	NA	191 B J	NA	< 5	NA	< 2	NA	145000 J	NA	103	NA	< 7	NA	< 25	NA	NA	NA	9250	NA	< 3	NA	27500 J	NA
	11/3/2008	< 200	NA	1.9 B	NA	93.3	NA	686	NA	< 5	NA	< 2	NA	242000	NA	206	NA	< 7	NA	10.4 B	NA	NA	NA	55000	NA	< 3	NA	48000	NA
	11/12/2009	< 200	NA	< 10	NA	14.7	NA	247	NA	< 5	NA	< 2	NA	266000	NA	11.6	NA	< 7	NA	< 25	NA	NA	NA	8780	NA	< 3	NA	54700	NA
UAW26-70	4/6/2004	379 J	NA	<10	NA	5.1 B	NA	443 J	NA	<5	NA	<2	NA	163000	NA	2.8 B	NA	1.4 B	NA	<25	NA	<10	NA	3290	NA	1.7 B	NA	49900 J	NA
	11/6/2004	<200	NA	<10	NA	8.6 B	NA	266	NA	<5	NA	<2	NA	140000	NA	<5	NA	<7	NA	<25	NA	<10	NA	3180	NA	<3	NA	44300	NA
	11/9/2005	87.5 B	NA	<10	NA	13.2	NA	295	NA	0.34 B	NA	<2	NA	136000 J	NA	1.7 B	NA	<7	NA	<25	NA	NA	NA	2650	NA	<3	NA	43200	NA
	11/7/2006	< 200	NA	< 10	NA	9.5 B	NA	265	NA	< 5	NA	< 2	NA	146000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	3180	NA	< 3	NA	47600	NA
	11/14/2007	1140	NA	6.5 B	NA	< 10	NA	47.5 B	NA	< 5	NA	< 2	NA	132000 J	NA	2.8 B	NA	< 7	NA	< 25	NA	NA	NA	1110	NA	< 3	NA	34200	NA
	11/6/2008	< 200	NA	2.9 B	NA	< 10	NA	295 J	NA	< 5	NA	< 2	NA	78600 J	NA	< 5	NA	< 7	NA	4.9 B	NA	NA	NA	< 100	NA	< 3	NA	21700 J	NA
	11/19/2009	131 B	NA	< 10	NA	5.9 B	NA	245	NA	< 5	NA	< 2	NA	133000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	3190	NA	< 3	NA	43800	NA
UAW27-50	3/31/2004	40.7 B	NA	<10	NA	<10	NA	138 B	NA	<5	NA	<2	NA	236000 J	NA	5.5	NA	1.5 B	NA	<25	NA	<10	NA	291	NA	<3	NA	67800 J	NA
	11/5/2004	169 B	NA	<10	NA	<10	NA	104 B	NA	<5	NA	<2	NA	199000	NA	4.8 B	NA	<7	NA	2.8 B	NA	<10	NA	85.3 B	NA	<3	NA	56900	NA
	11/11/2005	<200	NA	<10	NA	<10	NA	93.6 B	NA	<5	NA	<2	NA	187000 J	NA	<5	NA	<7	NA	<25	NA	NA	NA	<100	NA	<3	NA	57200	NA
	11/1/2006	< 200	NA	< 10	NA	< 10	NA	99 B	NA	< 5	NA	< 2	NA	160000 J	NA	2.4 B	NA	< 7	NA	2.6 B J	NA	NA	NA	98.3 B	NA	< 3	NA	44800	NA
	11/13/2007	251	NA	< 10	NA	< 10	NA	91.4 B	NA	< 5	NA	< 2	NA	179000 J	NA	34.3	NA	< 7	NA	< 25	NA	NA	NA	1370	NA	< 3	NA	50900	NA
	11/13/2008	< 200	NA	3 B	NA	< 10	NA	48.7 B	NA	< 5	NA	< 2	NA	208000 J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	60600 J	NA
	11/11/2009	< 200	NA	< 10	NA	< 10	NA	46.3 B	NA	< 5	NA	< 2	NA	200000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	58100	NA
LAW05-60	3/16/2002	NA	NA	<10	NA	<10	NA	87.5 B	NA	<5	NA	<2	NA	NA	NA	1.6 B	NA	3.2 B	NA	<25	NA	<10	NA	NA	NA	<3	NA	NA	NA
	11/17/2009	1210	NA	< 10	NA	5.5 B	NA	135 B	NA	< 5	NA	< 2	NA	119000	NA	3.3 B	NA	< 7	NA	< 25	NA	NA	NA	1840	NA	4.3	NA	34300	NA
LAW05-150	3/16/2002	NA	NA	<10	NA	6.2 B	NA	94.3 B	NA	0.55 B	NA	<2	NA	NA	NA	<5	NA	<7	NA	<25	NA	<10	NA	NA	NA	<3	NA	NA	NA
LAW05-150 (Dup)	3/16/2002	NA	NA	<10	NA	4.6 B	NA	94.7 B	NA	<5	NA	<2	NA	NA	NA	<5	NA	<7	NA	<25	NA	<10	NA	NA	NA	<3	NA	NA	NA
	11/17/2009	1570	NA	< 10	NA	4.5 B	NA	65.8 B	NA	< 5	NA	1.4 B	NA	32400	NA	13.2	NA	< 7	NA	7.6 B	NA	NA	NA	2510	NA	2.7 B	NA	1460 B	NA
LAW12-60	10/13/2001	NA	NA	<10	NA	<10	NA	113 B	NA	<5	NA	<2	NA	133000	128000	6.9	NA	2.5 B	NA	<25	NA	<10	NA	888	621	<3	NA	41200	39800
	11/16/2001	NA	NA	<10	NA	<10	NA	127 B J	NA	<5	NA	<2	NA	120000 J	104000 J	4.1 B	NA	<7	NA	10.7 B	NA	<10	NA	374	<100	<3	NA	46200	41000
	11/19/2009	123 B	NA	< 10	NA	< 10	NA	67.2 B	NA	< 5	NA	1.8 B	NA	64400	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	460	NA	< 3	NA	24800	NA

Table B-4
Summary of Inorganic Detections in Groundwater,
Seep, and Surface Water Samples
Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Manganese	Manganese-DISS	Mercury	Mercury-DISS	Nickel	Nickel-DISS	Potassium	Potassium-DISS	Selenium	Selenium-DISS	Silver	Silver-DISS	Sodium	Sodium-DISS	Thallium	Thallium-DISS	Tin	Tin-DISS	Total Sulfide	Vanadium	Vanadium-DISS	Zinc	Zinc-DISS
Groundwater																								
UAW24-70	10/13/2001	115	NA	<0.2	NA	5.5 B	NA	2150 B J	2050 B J	<5	NA	<5	NA	50500	55500	<10	NA	NA	NA	2800	<7	NA	<20	NA
	11/15/2001	154	NA	<0.2	NA	3.8 B	NA	4220 B J	3380 B J	<5	NA	<5	NA	57200	79300	5 B	NA	NA	NA	1100	<7	NA	<20	NA
	10/17/2002	245 J	NA	<0.2	NA	16.9 B	NA	4950 B J	NA	<5	NA	NA	NA	51100	NA	8.6 B	NA	<100	NA	460 B	1.1 B J	NA	<20	NA
	11/16/2003	162 J	NA	<0.2	NA	13.7 B J	NA	9890 J	NA	<5	NA	2 B	NA	54200	NA	14.7 J	NA	7.8 B	NA	<1000	<7	NA	<20	NA
	4/5/2004	231	NA	<0.2	NA	5.9 B	NA	3100 B J	NA	<5	NA	<5	NA	37400	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	11/6/2004	204 J	NA	<0.2	NA	<40	NA	3180 B J	NA	<5	NA	<5	NA	46600	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	11/16/2005	159	NA	<0.2	NA	2.5 B	NA	2410 B J	NA	<5	NA	<5	NA	39100	NA	<10	NA	<100	NA	NA	<7	NA	<20	NA
	10/31/2006	216 J	NA	<0.2	NA	4.7 B	NA	2190 B J	NA	< 5	NA	< 5	NA	34500	NA	5 B	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/7/2007	< 15	NA	< 0.2	NA	< 40	NA	21100 J	NA	< 5	NA	< 5	NA	124000	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/13/2008	171 J	NA	< 0.2	NA	< 40	NA	1760 B	NA	< 5	NA	< 5	NA	30500	NA	< 10	NA	3.9 B	NA	NA	< 7	NA	5.7 B	NA
	11/24/2009	95.6	NA	< 0.2	NA	< 40	NA	1760 B	NA	< 5	NA	< 5	NA	34200	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
UAW25-20	10/13/2001	1000	NA	<0.2	NA	27.7 B	NA	3530 B J	3540 B J	<5	NA	<5	NA	338000	340000	<10	NA	NA	NA	1500	1.2 B	NA	99.2	NA
	11/13/2001	914 J	NA	<0.2	NA	97.5	NA	3480 B J	3160 B J	<5	NA	<5	NA	328000 J	296000 J	<10	NA	NA	NA	2200	5.2 B	NA	<20	NA
	10/18/2002	1100 J	NA	<0.2	NA	48.3	NA	11800 J	NA	<5	NA	NA	NA	395000	NA	<10	NA	188	NA	<1000	<7	NA	<20	NA
	11/12/2003	1500 J	NA	<0.2	NA	64.1	NA	6870 J	NA	<5	NA	<5	NA	429000	NA	<10	NA	150	NA	<1000	<7	NA	<20	NA
	3/27/2004	1140 J	NA	<0.2	NA	128	NA	6970 J	NA	<5	NA	<5	NA	320000	NA	<10	NA	130	NA	1200	1.4 B	NA	<20	NA
	11/3/2004	1670	NA	0.06 B	NA	80.8	NA	9500 J	NA	<5	NA	<5	NA	406000	NA	<10	NA	134	NA	<1000	<7	NA	<20	NA
	11/9/2005	1880 J	NA	<0.2	NA	38.7 B J	NA	11200 J	NA	<5	NA	<5	NA	484000	NA	<10	NA	140	NA	NA	<7	NA	<20	NA
	11/8/2006	1400 J	NA	<0.2	NA	77.4	NA	3380 B J	NA	< 5	NA	< 5	NA	391000	NA	< 10	NA	136	NA	NA	< 7	NA	< 20	NA
	11/8/2007	774 J	NA	< 0.2	NA	13.7 B	NA	2810 B J	NA	< 5	NA	< 5	NA	414000	NA	< 10	NA	156 J	NA	NA	< 7	NA	< 20	NA
	11/3/2008	1190	NA	< 0.2	NA	19.2 B	NA	16500 J	NA	< 5	NA	< 5	NA	561000	NA	< 10	NA	< 111	NA	NA	2.1 B	NA	6.4 B	NA
	11/12/2009	1460	NA	< 0.2	NA	13.4 B	NA	3690 B	NA	< 5	NA	< 5	NA	448000	NA	10 U	NA	129	NA	NA	< 7	NA	< 20	NA
UAW26-70	4/6/2004	363	NA	<0.2	NA	4.1 B	NA	2290 B J	NA	<5	NA	<5	NA	40600	NA	<10	NA	<100	NA	1100	<7	NA	<20	NA
	11/6/2004	282 J	NA	<0.2	NA	<40	NA	1610 B J E	NA	<5	NA	<5	NA	35700	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	11/9/2005	315 J	NA	<0.2	NA	32.2 B J	NA	2570 B J	NA	4.3 B	NA	<5	NA	33800	NA	<10	NA	<100	NA	NA	<7	NA	22.3	NA
	11/7/2006	308 J	NA	<0.2	NA	< 40	NA	1490 B J	NA	< 5	NA	< 5	NA	36700	NA	< 10	NA	< 100	NA	NA	< 7	NA	15.3 B J	NA
	11/14/2007	56.8	NA	< 0.2	NA	5.4 B	NA	4660 B J	NA	< 5	NA	< 5	NA	28500	NA	< 10	NA	< 100	NA	NA	2.1 B	NA	11.8 B	NA
	11/6/2008	< 15	NA	< 0.2	NA	4.2 B	NA	11000	NA	< 5	NA	< 5	NA	100000	NA	< 10	NA	< 100	NA	NA	0.82 B	NA	150	NA
	11/19/2009	279	NA	< 0.2	NA	< 40	NA	1530 B	NA	< 5	NA	< 5	NA	30800	NA	< 10	NA	< 100	NA	NA	< 7	NA	20 U	NA
UAW27-50	3/31/2004	124 J	NA	<0.2	NA	33.2 B	NA	2120 B J	NA	<5	NA	<5	NA	37600	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	11/5/2004	25.9 J	NA	<0.2	NA	8.4 B	NA	2220 B J	NA	<5	NA	<5	NA	32800	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	11/11/2005	16.2 J	NA	<0.2	NA	6.0 B	NA	1960 B	NA	<5	NA	<5	NA	31600	NA	<10	NA	<100	NA	NA	<7	NA	<20	NA
	11/1/2006	17.8 J	NA	<0.2	NA	38.2 B	NA	1880 B J	NA	< 5	NA	< 5	NA	27900	NA	< 10	NA	9.7 B	NA	NA	< 7	NA	10.3 B J	NA
	11/13/2007	42.5	NA	< 0.2	NA	65.8	NA	1940 B J	NA	< 5	NA	< 5	NA	30400	NA	< 10	NA	< 100	NA	NA	< 7	NA	10.2 B	NA
	11/13/2008	26.1 J	NA	< 0.2	NA	< 40	NA	1730 B	NA	< 5	NA	< 5	NA	37900	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
	11/11/2009	26	NA	< 0.2	NA	< 40	NA	1620 B	NA	< 5	NA	< 5	NA	37200	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
LAW05-60	3/16/2002	NA	NA	<0.2	NA	18.7 B	NA	NA	NA	5.3	NA	<5	NA	NA	NA	<10	NA	<100	NA	<1000	2 B	NA	41.2	NA
	11/17/2009	1000	NA	< 0.2	NA	6 B	NA	2420 B	NA	< 5	NA	< 5	NA	43600	NA	< 10	NA	17.2 B	NA	NA	1.3 B	NA	27.2 U	NA
LAW05-150	3/16/2002	NA	NA	0.35	NA	<40	NA	NA	NA	<5	NA	<5	NA	NA	NA	<10	NA	<100	NA	<1000	<7	NA	<20	NA
LAW05-150 (Dup)	3/16/2002	NA	NA	0.16 B	NA	<40	NA	NA	NA	<5	NA	<5	NA	NA	NA	<10	NA	<100	NA	<1000	<7	NA	59.6	NA
	11/17/2009	69.9	NA	< 0.2	NA	< 40	NA	6270	NA	< 5	NA	< 5	NA	56400	NA	< 10	NA	27.2 B	NA	NA	5.8 B	NA	40.1 U	NA
LAW12-60	10/13/2001	NA	NA	<0.2	NA	14.2 B	NA	10000 J	9590 J	<5	NA	<5	NA	61300	59200	5.5 B	NA	<100	NA	1500	2 B	NA	<20	NA
	11/16/2001	NA	NA	<0.2	NA	5.8 B	NA	11100 J	9780 J	<5	NA	<5	NA	54900	49500	<10	NA	<100	NA	<1000	<7	NA	<20	NA
	11/19/2009	429	NA	< 0.2	NA	3.5 B	NA	17200	NA	< 5	NA	< 5	NA	218000	NA	< 10	NA	9.5 B	NA	NA	2.5 B	NA	20 U	NA

Table B-4
Summary of Inorganic Detections in Groundwater,
Seep, and Surface Water Samples
Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Aluminum	Aluminum-DISS	Antimony	Antimony-DISS	Arsenic	Arsenic-DISS	Barium	Barium-DISS	Beryllium	Beryllium-DISS	Cadmium	Cadmium-DISS	Calcium	Calcium-DISS	Chromium	Chromium-DISS	Cobalt	Cobalt-DISS	Copper	Copper-DISS	Cyanide, Total	Hexavalent Chromium	Iron	Iron-DISS	Lead	Lead-DISS	Magnesium	Magnesium-DISS
Groundwater																													
20061102CINEB-1	11/2/2006	< 200	NA	< 10	NA	< 10	NA	< 200	NA	< 5	NA	< 2	NA	132 B J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	< 5000	NA
20061106CINEB-1	11/6/2006	< 200	NA	< 10	NA	< 10	NA	< 200	NA	< 5	NA	< 2	NA	222 B J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	< 5000	NA
20061106CINFB-1	11/6/2006	< 200	NA	< 10	NA	< 10	NA	< 200	NA	< 5	NA	< 2	NA	< 5000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	< 5000	NA
20061108CINFB-1	11/8/2006	< 200	NA	< 10	NA	< 10	NA	< 200	NA	< 5	NA	< 2	NA	83.4 B J	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	< 5000	NA
20071107CINEB-1	11/7/2007	< 200	NA	< 10	NA	< 10	NA	< 200	NA	< 5	NA	< 2	NA	< 5000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	< 5000	NA
20071107CINFB-1	11/7/2007	< 200	NA	< 10	NA	< 10	NA	< 200	NA	< 5	NA	< 2	NA	< 5000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	< 5000	NA
20071115CINEB-2	11/15/2007	< 200	NA	2.4 B	NA	< 10	NA	< 200	NA	< 5	NA	< 2	NA	< 5000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	< 5000	NA
20071115CINFB-2	11/15/2007	< 200	NA	< 10	NA	< 10	NA	< 200	NA	< 5	NA	< 2	NA	< 5000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	< 5000	NA
20081104CINEB-1	11/4/2008	< 200	NA	< 10	NA	< 10	NA	< 200	NA	< 5	NA	< 2	NA	< 5000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	< 5000	NA
20081113CINFB-1	11/13/2008	< 200	NA	< 10	NA	< 10	NA	< 200	NA	< 5	NA	< 2	NA	< 5000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	< 5000	NA
20081114CINEB-1	11/14/2008	< 200	NA	< 10	NA	< 10	NA	< 200	NA	< 5	NA	< 2	NA	< 5000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	< 5000	NA
20081118CINEB-1	11/18/2008	< 200	NA	< 10	NA	< 10	NA	< 200	NA	< 5	NA	< 2	NA	< 5000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	< 5000	NA
20091113TB-1	11/13/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20091117CINEB-1	11/17/2009	< 200	NA	< 10	NA	< 10	NA	< 200	NA	< 5	NA	< 2	NA	5000 U	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	< 5000	NA
20091117TB-1	11/17/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20091120CINFB-1	11/20/2009	< 200	NA	< 10	NA	< 10	NA	< 200	NA	< 5	NA	< 2	NA	< 5000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	< 5000	NA
20091120TB-1	11/20/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20091123CINEB-1	11/23/2009	< 200	NA	< 10	NA	< 10	NA	< 200	NA	< 5	NA	< 2	NA	< 5000	NA	< 5	NA	< 7	NA	< 25	NA	NA	NA	< 100	NA	< 3	NA	< 5000	NA
20091124TB-1	11/24/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table B-4
Summary of Inorganic Detections in Groundwater,
Seep, and Surface Water Samples
Rohm and Haas Chemicals LLC
Cincinnati, Ohio
Units: ug/l

Sample Location	Sample Date	Manganese	Manganese-DISS	Mercury	Mercury-DISS	Nickel	Nickel-DISS	Potassium	Potassium-DISS	Selenium	Selenium-DISS	Silver	Silver-DISS	Sodium	Sodium-DISS	Thallium	Thallium-DISS	Tin	Tin-DISS	Total Sulfide	Vanadium	Vanadium-DISS	Zinc	Zinc-DISS
Groundwater																								
20061102CINEB-1	11/2/2006	0.28 B J	NA	<0.2	NA	< 40	NA	158 B J	NA	< 5	NA	< 5	NA	< 5000	NA	< 10	NA	7.3 B	NA	NA	< 7	NA	< 20	NA
20061106CINEB-1	11/6/2006	< 15	NA	<0.2	NA	< 40	NA	162 B J	NA	< 5	NA	< 5	NA	< 5000	NA	< 10	NA	5.3 B	NA	NA	< 7	NA	< 20	NA
20061106CINFB-1	11/6/2006	0.53 B J	NA	<0.2	NA	< 40	NA	157 B J	NA	< 5	NA	< 5	NA	< 5000	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
20061108CINFB-1	11/8/2006	< 15	NA	<0.2	NA	< 40	NA	157 B J	NA	< 5	NA	< 5	NA	< 5000	NA	5.1 B	NA	< 100	NA	NA	< 7	NA	< 20	NA
20071107CINEB-1	11/7/2007	< 15	NA	< 0.2	NA	< 40	NA	<5000	NA	< 5	NA	< 5	NA	< 5000	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
20071107CINFB-1	11/7/2007	< 15	NA	< 0.2	NA	< 40	NA	<5000	NA	< 5	NA	< 5	NA	< 5000	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
20071115CINEB-2	11/15/2007	< 15	NA	< 0.2	NA	< 40	NA	159 B J	NA	< 5	NA	< 5	NA	< 5000	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
20071115CINFB-2	11/15/2007	< 15	NA	< 0.2	NA	< 40	NA	160 B J	NA	< 5	NA	< 5	NA	< 5000	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
20081104CINEB-1	11/4/2008	< 15	NA	< 0.2	NA	< 40	NA	139 B J	NA	< 5	NA	< 5	NA	< 5000	NA	< 10	NA	45.9 B	NA	NA	< 7	NA	5.6 B	NA
20081113CINFB-1	11/13/2008	0.93 B J	NA	< 0.2	NA	< 40	NA	< 5000	NA	< 5	NA	< 5	NA	< 5000	NA	7.1 B	NA	< 100	NA	NA	< 7	NA	< 20	NA
20081114CINEB-1	11/14/2008	< 15	NA	< 0.2	NA	< 40	NA	167 B J	NA	< 5	NA	< 5	NA	< 5000	NA	< 10	NA	8.2 B	NA	NA	< 7	NA	< 20	NA
20081118CINEB-1	11/18/2008	< 15	NA	< 0.2	NA	< 40	NA	171 B J	NA	< 5	NA	< 5	NA	< 5000	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
20091113TB-1	11/13/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20091117CINEB-1	11/17/2009	< 15	NA	< 0.2	NA	< 40	NA	5000 U	NA	< 5	NA	< 5	NA	< 5000	NA	< 10	NA	< 100	NA	NA	< 7	NA	20 U	NA
20091117TB-1	11/17/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20091120CINFB-1	11/20/2009	< 15	NA	< 0.2	NA	< 40	NA	< 5000	NA	< 5	NA	< 5	NA	< 5000	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
20091120TB-1	11/20/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20091123CINEB-1	11/23/2009	< 15	NA	< 0.2	NA	< 40	NA	5000 U	NA	< 5	NA	< 5	NA	< 5000	NA	< 10	NA	< 100	NA	NA	< 7	NA	< 20	NA
20091124TB-1	11/24/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
B = Estimated result; result is less than reporting limit
E = Matrix interference
J = Method blank contamination. The associated method blank contains the target analyte at a reportable level.
L = Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.
MBB = This analyte is present at a reportable level in the associated method blank but is less than 5% of the sample amount.
MBD = This analyte is present in the associated method blank at an amount that is less than two times the reporting limit.
MBE = This analyte is present in the associated method blank.
NA indicates chemical was not on the target analyte list for that sample.
<5 = Indicates constituent not detected at or above indicated detection limit.
Metals bottles for the 2009 field duplicate from UAW10-50 and the field blank collected on 11-20-2009 were suspected to be switched in error. Corrected results are presented.

APPENDIX C

(CD)

LABORATORY ANALYTICAL RESULTS

ELECTRONIC DATA DELIVERABLE (EDD)

APPENDIX D

ANALYTICAL DATA REVIEW REPORT

ANALYTICAL DATA REVIEW REPORT
ROHM AND HAAS CINCINNATI FACILITY
SITE-WIDE GROUNDWATER SAMPLING EVENT
(NOVEMBER 2009)
PARSONS PROJECT NUMBER 445226-01000

INTRODUCTION

Overview

The results of the laboratory analysis of samples collected for the most recent annual sampling event (November 2009) at the Rohm and Haas Cincinnati site have been reviewed. Wells were sampled during the period of November 16-24, 2009. Samples 20091112UAW02-40V38FD and 20091120UAW10-50V52FD were collected as field duplicates. Samples 20091117LAW05-60V55N and 20091124UAW24-70V65N were designated on the chain-of-custody (COC) record as matrix spike (MS) and matrix spike duplicate (MSD) samples. Two equipment blank samples and one field blank sample were collected. The groundwater samples, equipment blanks, and field blank were analyzed for the following parameters: volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals. A trip blank was submitted with each sample shipment and was analyzed for VOCs. Test America of North Canton, OH (TestAmerica) performed the sample analyses.

Analytical data were reported in four analytical reports for TestAmerica Project No. 445226, identified by sample delivery group (SDG) number and/or lot number as follows: SDG#9K14441/Lot#A9K140441 (December 10, 2009), Lot#A9K180472 (January 15, 2010), SDG#9K23402/Lot#A9K230402 (December 10, 2009), and Lot#A9K250609 (December 14, 2009).

This report presents a quality assurance/quality control (QA/QC) review of the analytical data. Samples validated and analyses performed are summarized on Table D-1. The data were reviewed for compliance with the method-specific limitations as specified by EPA SW-846. The data were also assessed using "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review" (EPA-540/R-99-008, October 1999) and "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review" (EPA 540/R-04-004, October 2004) and professional judgment. These documents are specified as "guidance" since the referenced documents are directly applicable to US EPA Contract Laboratory Program (CLP) analyses and not necessarily SW-846 analyses. For this reason, the guidance documents were used in conjunction with appropriate professional judgment. Analytical results for all parameters are presented in the TestAmerica Analytical Report for each SDG/Lot Number. The following analytical methods were used:

- VOCs by GC/MS EPA Method SW8260B;
- SVOCs by GC/MS EPA Method SW8270C;
- Metals by EPA Method SW6010B; and,
- Mercury by EPA Method SW7470A.

Samples validated and analyses performed are summarized on Table D-1. Sample identification discrepancies between chain-of-custody (COC) record and laboratory report "client sample ID" identification are summarized in the next section of this report. The correct names are used on Table D-1. Data qualifiers applied as a result of data validation are summarized on Table D-2. Data selection decisions, for instances where multiple results are reported for a given sample, are summarized on Table D-3.

Sampling, Requested Analyses, Sample Identification, and Chain-of-Custody

The samples were collected, properly preserved, and shipped under a COC record, and received at TestAmerica within one or two days of sampling. All samples were received intact and in good condition at TestAmerica. Sample documentation discrepancies were identified by the laboratory on the "cooler receipt form" in each laboratory report, or were identified by Parsons, as follows:

- In Lot# A9K140441, laboratory noted on the cooler receipt form that the unlabeled polyethylene bottle (pH<2, for metals analysis) was associated with sample 20091112UAW25-20V19N.
- In Lot# A9K230402, laboratory noted on cooler receipt form that sample containers labeled as "20091120UAW16-20V12N" were actually associated with sample 20091120UAW16-10V12N listed on the COC record.
- In Lot# A9K230402, based on evaluation of the metals results and the evident similarity between the results of samples A9K230402-011 and A9K230402-014, and as agreed by the Parsons Project Manager, the sample containers for metals analysis were apparently incorrectly identified (i.e. "switched) for one field sample and one field QC sample. The affected samples are as shown below. The corrected sample IDs are listed in D-1.

Lab Sample #	**Correct Sample ID for Metals Analysis**	**Incorrect Sample ID for Metals Analysis (as reported in lab report)**
A9K230402-012	20091120CINFB-1	20091120UAW10-50V52FD
A9K230402-014	20091120UAW10-50V52FD	20091120CINFB-1

- The sample name for each of three samples was incorrectly identified on the COC record and the sample results were consequently reported by the laboratory with the incorrect sample names. The correct sample names were verified from the sampling team field notes. The affected samples are as shown below. The correct sample IDs are listed in D-1.

Lab Sample #	**Correct Sample ID**	**Incorrect Sample ID (reported in lab report)**
A9K140441-007	20091112UAW02-40V38FD	20091112UAW02-40V15FD
A9K180472-005	20091117UAW05-20V14N	20091117UAW05-20V15N

Lab Sample #	Correct Sample ID	Incorrect Sample ID (reported in lab report)
A9K230402-002	20091118UAW09-60V55N	20091118UAW09-60V52N

Conclusion and Data Quality Summary

Based on this data assessment and the available QA/QC information, the data (as qualified in this report) are usable for the purpose of reporting annual groundwater monitoring results. Certain sample results were qualified as estimated ("J") due to minor data quality deficiencies, such as those of surrogate recovery, calibration range exceedance, and holding time exceedance. One sample was re-analyzed for SVOCs outside of holding time because surrogate results were non-compliant for initial analysis and one sample was re-analyzed at dilution because the bis-2-(ethylhexyl) phthalate (BEHP) result in the initial analysis exceeded the calibration range; both sets of results for each of these two samples were reported and data use selection decisions are summarized on Table D-3. Certain sample results were qualified as undetected ("U") due to associated blank (method, trip) contamination; these results should be considered to be potential false-positive results. Data qualifiers applied as a result of this data review are discussed in the applicable report section and are summarized on Table D-2. Sample results reported at a concentration less than the reporting limit, but greater than the MDL, have been flagged by the laboratory as "J" for VOCs or SVOCs or as "B" for metals and should be considered to be estimated values; these values have not been summarized in Table D-2 as qualified values, but the data qualifier has been applied in the project database, as applicable.

The analytical data review results are presented by analysis type in the sections following.

Volatile Organic Compounds (VOCs) by Method SW8260B

A. Holding Times

Maximum holding time for analysis of VOCs in water samples cooled to 4°C and preserved with HCl to a pH of $\leq$2 is 14 days from sample collection. Evaluation results are shown below.

All samples in sample groups A9K140441, A9K180472, A9K230402, and A9K250609 were preserved to pH of $\leq$2, with cooler temperatures in the range of 1.2°C to 4.2°C as verified from TestAmerica Cooler Receipt Forms. All samples were prepared and analyzed for VOCs within the method holding time. No sample results were qualified based on holding times.

B. Laboratory Method Blank

Target VOCs were analyzed in a laboratory method blank with each analytical preparation batch. Sample concentrations less than five times (5x) the blank amount (or

10x for methylene chloride) [times sample dilution factor (DF)] were qualified as undetected ("U") [at the reporting limit (RL) value if sample result was less than the RL] based on associated method blank contamination and should be considered to be potential "false-positive" results. Evaluation results are as shown below.

Method blanks were analyzed with each analysis/preparation batch in sample groups A9K140441, A9K180472, A9K230402, and A9K250609. VOC analytes were reported as "not detected" (ND) with the exceptions shown below.

Sample Group or SDG/ Prep batch	Method Blank ID	Analyte Conc. (µg/L)	Affected Samples	(5x or 10x) x MB x DF	Sample Conc. (µg/L)	Lab Flag	Data Qual.
A9K180472/ 9328468	A9K240000-468	Methylene chloride (0.43J)	A9K180472-001 A9K180472-003 A9K180472-004 A9K180472-005	10.75 21.5 28.9 86	0.86 1.7 3.3 9.5	JB JB JB JB	2.5U 5.0U 6.7U 20U
A9K180472/ 9328468	A9K240000-468	Methylcylcohexane (0.14J)	A9K180472-001 A9K180472-002 A9K180472-004 A9K180472-010	1.75 3.50 4.69 0.70	2.0 52 1.2 0.18	JB JB JB JB	None None 6.7U 1.0U
A9K180472/ 9328468	A9K240000-468	1,2,4-Trichlorobenzene (0.35J)	A9K180472-007	1.75	0.33	JB	1.0U

C. Surrogate Spikes

System monitoring compounds (surrogate spikes) were spiked into each sample analyzed for VOCs and analyzed with each batch of samples. Ranges of surrogate %R values and advisory limits for surrogate %R are detailed in the TestAmerica Reports. Evaluation results are shown below.

In sample groups A9K140441, A9K180472, A9K230402, and A9K250609 each surrogate compound recovery was within the Quality Control (QC) limit in each sample. No sample results were qualified based on surrogate spike recoveries.

D. Laboratory Control Samples (LCS) and Laboratory Control Sample Duplicates (LCSD)

An LCS/LCSD pair was analyzed with each preparation batch for the analysis of VOCs. The LCS spike solution included the following analytes: benzene; chlorobenzene; 1,1-dichloroethene; toluene; and trichloroethene. Ranges of LCS percent recovery (%R) and advisory limits for LCS %R, as well as those for LCS/LCSD pair relative percent difference (RPD), are detailed in the TestAmerica Reports. Evaluation results are shown below.

In sample groups A9K140441, A9K180472, A9K230402, and A9K250609, all LCS %R, LCSD %R, and LCS/LCSD RPD values for each of the LCS or LCS/LCSD analyses were within the advisory QC limits. No qualification of data is necessary based on LCS results.

E. Matrix Spike (MS) and Matrix Spike Duplicates (MSD)

MS and MSD recovery and RPD precision values were reported with the analysis of the samples for VOCs. The MS spike solution included the following analytes: benzene; chlorobenzene; 1,1-Dichloroethene; toluene; and trichloroethene. Ranges of MS %R values and advisory limits for MS %R, as well as those for MS/MSD RPD values, are detailed in the TestAmerica Reports. Evaluation results are shown below.

- The following samples were used for MS/MSD analyses: 20091117LAW05-60V55N (lab# A9K180472-006) and 200911124UAW24-70V65N (lab# A9K250609-008); all MS %R results and all MS/MSD RPD results were within the laboratory's QC acceptance limits.
- In analytical batches in which a project sample was not used for MS/MSD analyses, a non-project sample was used for MS/MSD analyses; results were not applicable.

F. Trip Blanks

Trip blanks were submitted for analysis of VOCs with each group (shipment) of samples analyzed for VOCs. Sample concentrations less than ten times the blank amount [times sample DF] were qualified as undetected ("U") [at the RL value if sample result was less than the RL] based on associated method blank contamination and should be considered to be potential "false-positive" results. Evaluation results are shown below.

In the trip blanks in sample groups A9K140441, A9K180472, A9K230402, and A9K250609, VOC analytes were reported as ND, with the exceptions show below.

Trip Blank ID	Lab Sample ID	Analyte Conc. (µg/L)	Affected Samples	Sample Conc. (µg/L)	(10x) x TB x DF	Lab Flag	Data Qual
20091113CINTB-1	A9K140441-014	Acetone (4.3J)	None, all ND	ND		None	None
20091117CINTB-1	A9K180472-009	Acetone (2.6J)	A9K180472-003	43	130	J	50U
20091124CINTB-1	A9K250609-010	Acetone (4.5J)	None, all ND	ND		None	None

G. Field QC Blanks (Equipment Rinsate Blanks and Field Blanks)

As part of the November 2009 sampling event, two equipment rinsate blanks (equipment blanks) and one field blank were submitted for analysis of VOCs. Sample concentrations less than ten times (times DF) the blank amount were qualified as undetected ("U") (at the RL value if sample result was less than the RL) based on associated blank contamination and should be considered to be potential "false-positive" results. Evaluation results are as shown below.

In field QC blanks 20091117CINEB-1 (lab# A9K180472-008), 200911120CINFB-1 (lab# A9K230402-014), and 20091123CINEB-1 (lab# A9K250609-002), VOC analytes were reported as non-detect with the exceptions shown below. Samples analyzed in sample groups A9K140441 and A9K180472 were associated with the equipment blank in sample group A9K180472.

Field QC Blank ID	Lab #	Analyte Conc. (µg/L)	Affected Samples	Sample Conc. (µg/L)	(10x) x EB x DF	Lab Flag	Data Qual.
20091123CINEB-1	A9K250609-002	Acetone (12)	None, all ND	ND		None	None

H. Field Duplicate Samples

As part of the 2009 sampling effort, a field duplicate was collected for each of the following two samples and analyzed for VOCs: 20091112UAW02-40V38N and 20091120UAW10-50V52N. Relative percent difference (RPD) values were calculated as shown below. $RPD = \left[\frac{V1 - V2}{[V1 + V2]/2} \right] x100$

RPD values are reported in the attached table only for those constituents that were detected in both samples at a concentration greater than two times the reporting limit (2xRL); otherwise, the RPD is not applicable (N/A). Evaluation results are shown below.

Sample Group	Sample ID	Analyte	Sample Result (µg/L)	FD Result (µg/L)	% RPD	Met QC Criterion ?	Qual
A9K140441	20091112UAW02-40V38N	1,2-Dichloroethane	12	12	0.0	Yes	None
A9K140441	20091112UAW02-40V38N	1,1-Dichloroethene	2.9	3.1	6.7	Yes	None
A9K140441	20091112UAW02-40V38N	cis-1,2-Dichloroethene	30	31	3.3	Yes	None
A9K140441	20091112UAW02-40V38N	trans-1,2-Dichloroethene	2.2	2.3	4.4	Yes	None
A9K230402	20091120UAW10-50V52N	Chloroform	2.7	2.7	0.0	Yes	None
A9K230402	20091120UAW10-50V52N	1,2-Dichloroethane	5.3	5.2	8.2	Yes	None
A9K230402	20091120UAW10-50V52N	1,2-Dichloroethane	2.6	2.6	0.0	Yes	None
A9K230402	20091120UAW10-50V52N	cis-1,2-Dichloroethene	28	28	0.0	Yes	None
A9K230402	20091120UAW10-50V52N	trans-1,2-Dichloroethene	1.2	1.2	0.0	Yes	None
A9K230402	20091120UAW10-50V52N	Tetrachloroethene	3.8	3.8	0.0	Yes	None
A9K230402	20091120UAW10-50V52N	1,1,1-Trichloroethane	4.9	4.8	2.1	Yes	None
A9K230402	20091120UAW10-50V52N	Trichloroethene	1.9	1.9	0.0	Yes	None

For aqueous samples, RPDs exceeding 30% for constituents detected in both the field sample and duplicate at greater than two times the reporting limit (2xRL), should be qualified as estimated, ”J”, in associated samples (unless the data reviewer can use professional judgment to justify why associated sample data should not be qualified). No sample results were qualified based on field duplicate RPD values.

I. Sample Dilution Analyses and Reporting Limits

Certain samples were analyzed at dilution. Sample reporting limits were adjusted accordingly.

Semi-volatile Organic Compounds (SVOCs) by Method SW8270C

A. Holding Times

Maximum holding time for extraction of SVOCs is 7 days from sample collection and that for analysis is 40 days after extraction in water samples cooled to approximately 4°C. Samples were extracted and analyzed for SVOCs within the holding times specified by the method, with the exception of the re-analysis of sample A9K250609-008 for which the re-extraction was performed outside of the seven-day holding time limit. Evaluation results are shown below.

- All samples in sample groups A9K140441, A9K180472, and A9K230402 were preserved with cooler temperatures in the range of 1.4°C to 4.2°C as verified from TestAmerica Cooler Receipt Forms. The extraction and analysis holding times were met for all samples.
- Samples in sample group A9K250609 were preserved with cooler temperatures in the range of 1.2°C to 4.2°C as verified from TestAmerica Cooler Receipt Form. Extraction and analysis holding times were met for all samples, with the exception that the extraction holding time (7 days from sample collection) was exceeded for the re-analysis of A9K250609-008. Evaluation results are shown below.

Lab Sample ID	QC Batch	Sample Collection Date	Sample Extraction Date	# Days Holding Time Exceeded	Data Qual
A9K250609-008	9337497	11/24/09	12/03/09	2	UJ (all SVOCs ND)

B. Laboratory Method Blank

Target SVOCs were analyzed in a laboratory method blank with each analytical preparation batch. Sample concentrations less than five times the blank amount (times DF) were qualified as "U" [at the RL value if sample result was less than the RL] based on associated method blank contamination and should be considered to be potential "false-positive" results. Evaluation results are shown below.

Method blanks were analyzed with each analytical preparation batch in sample groups A9K140441, A9K180472, A9K230402, and A9K250609; SVOC analytes were reported as ND with the exceptions shown below.

Sample Group/ Prep batch	Method Blank ID	Analyte Conc. (µg/L)	Affected Samples	Sample Conc. (µg/L)	(5x) x MB x DF	Lab Flag	Data Qual.
A9K140441/ 9320294	A9K160000-294	BEHP (1.2J)	A9K140441-002	2.0	6.0	JB	10U
			A9K140441-004	2.7	6.0	JB	10U
			A9K140441-006	3.8	6.0	JB	10U
			A9K140441-007	3.2	6.0	JB	10U
			A9K140441-008	1.3	6.0	JB	10U
			A9K140441-011	0.96	6.0	JB	10U
			A9K140441-013	1.2	6.0	JB	10U
A9K180472/ 9323041	A9K190000-041	BEHP (1.6J)	A9K180472-002	2.1	8.0	JB	10U
			A9K180472-006	7.9	8.0	JB	10U
			A9K180472-007	2.1	8.0	JB	10U
			A9K180472-008	4.3	8.0	JB	10U

Sample Group/ Prep batch	Method Blank ID	Analyte Conc. (µg/L)	Affected Samples	Sample Conc. (µg/L)	(5x) x MB x DF	Lab Flag	Data Qual.
A9K230402/ 9327176	A9K230000-176	BEHP (1.4J)	A9K230402-001	1.4	7.0	JB	10U
			A9K230402-002	1.9	7.0	JB	10U
			A9K230402-003	1.1	7.0	JB	10U
			A9K230402-004	1.1	7.0	JB	10U
			A9K230402-006	0.85	7.0	JB	10U
			A9K230402-009	1.1	7.0	JB	10U
			A9K230402-010	1.4	7.0	JB	10U
			A9K230402-011	1.4	7.0	JB	10U
			A9K230402-014	2.2	7.0	JB	10U
			A9K230402-016	2.6	7.0	JB	10U
A9K250609/ 9331014	A9K270000-014	BEHP (2.4J)	A9K250609-002	4.3	12	JB	10U
			A9K250609-004	2.7	12	JB	10U
			A9K250609-005	1.7	12	JB	10U
			A9K250609-006	2.9	12	JB	10U
			A9K250609-007	97	12	BE	None, >5x
			A9K250609-007	75	48	B	None, >5x
			A9K250609-009	0.98	12	JB	10U

C. Surrogate Spikes

Surrogate compounds were spiked into each sample analyzed for SVOCs. Ranges of surrogate %R values and advisory limits for surrogate %R are detailed in the TestAmerica Reports. Sample results were not qualified if only one of the two surrogates per analytical fraction (base-neutral or acid) was non-compliant. Surrogate recoveries that were non-compliant (and not meaningful) because of sample dilution are not shown below and did not require sample qualification. Evaluation results are shown below.

- In sample groups A9K140442, A9K180472, and A9K230402 surrogate recoveries were within QC acceptance limits for all samples with the exception of those analyzed at dilution and those shown below. No sample results were qualified based on surrogate recoveries.
- In sample group A9K250609, surrogate recoveries were within QC acceptance limits for all samples with the exception of those analyzed at dilution and those shown below. The results for the acid-fraction analytes (phenols) in the initial analysis of sample A9K250609-008 were qualified as estimated (UJ). Sample A9K250609-008 was re-analyzed outside of holding time and both sets of data were reported; as summarized on Table D-3, the results from the initial analysis were selected for use for project decision-making.

Lab Sample ID	QC batch	Surrogate (%R)	QC Limit	Fraction	Qual	Use Results ?
A9K180472-001	9323041	Nitrobenzene-d5 (141)	27-111	Base-neutral	None	Yes
A9K180472-004	9323041	Nitrobenzene-d5 (430)	27-111	Base-neutral	None	Yes
A9K180472-005	9323041	Nitrobenzene-d5 (142)	27-111	Base-neutral	None	Yes

A9K180472-008	9323041	Nitrobenzene-d5 (164)	27-111	Base-neutral	None	Yes
A9K250609-008	9331014	2-Fluorophenol (3.9) 2,4,6-Tribromophenol (9.5)	10-110 22-120	Acid Acid	UJ (all phenols)	Yes

D. Laboratory Control Samples (LCS) and Laboratory Control Sample Duplicates (LCSD)

An LCS was analyzed with each preparation batch for analysis of SVOCs. An LCS/LCSD pair was analyzed with each of the preparation batches for which a project sample was not used for MS/MSD analyses. Ranges of LCS %R results and advisory limits for LCS %R, as well as those for LCS/LCSD RPD results, are detailed in the TestAmerica Reports. Evaluation results are shown below.

In sample groups A9K140441, A9K180472, A9K230402, and A9K250609 all LCS %R, LCSD %R, and LCS/LCSD RPD values for each of the LCS or LCS/LCSD analyses were within the advisory QC limits. No qualification of data is necessary based on LCS results.

E. Matrix Spike and Matrix Spike Duplicates (MS and MSD)

MS/MSD %R and RPD values were reported with the analysis of the samples for SVOCs. Ranges of MS %R results and advisory limits for MS %R, as well as those for MS/MSD RPD results, are detailed in the TestAmerica Reports. Evaluation results are shown below.

- The following samples were used for MS/MSD analyses: 20091117LAW05-60V55N (lab# A9K180472-006) and 200911124UAW24-70V65N (lab# A9K250609-008); all MS %R results and all MS/MSD RPD results for target analytes were within the laboratory's QC acceptance limits.
- In analytical batches in which a project sample was not used for MS/MSD analyses, a non-project sample was used for MS/MSD analyses; results were not applicable.

F. Trip Blanks

Trip blanks were not collected (are not required) for SVOC analysis.

G. Field QC Blanks (Equipment Rinsate Blanks and Field Blanks)

As part of the November 2009 sampling event, two equipment rinsate blanks (equipment blanks) and one field blank were submitted for analysis of SVOCs. Sample concentrations less than five times the blank amount (times DF) were qualified as undetected (“U”) (at the RL value if sample result was less than the RL) based on associated method blank contamination and should be considered to be potential “false-positive” results.

In field QC blanks 20091117CINEB-1 (lab # A9K180472-008), 20091120CINFB-1 (lab# A9K230402-014), and 20091123CINEB-1 (lab# A9K250609-002) analytes were reported as ND with the exceptions shown below. In each of the three field QC blanks, BEHP was detected, but was also detected in the method blank associated with the

analysis of each field QC blank; therefore no sample results were qualified based on the equipment blank results.

Field QC Blank ID	Lab Sample ID	Analyte Conc. (µg/L)	Affected Samples	Sample Conc. (µg/L)	Lab Qual	Data Qual.
20091117CINEB-1	A9K180472-008	Acetophenone (0.47J)	None, all ND	ND	None	None
20091117CINEB-1	A9K180472-008	BEHP (4.3JB)	A9K140441-002 A9K140441-004 A9K140441-006 A9K140441-007 A9K140441-008 A9K140441-011 A9K140441-013	2.0 2.7 3.8 3.2 1.3 0.96 1.2	JB JB JB JB JB JB JB	None, qualified based on MB
20091117CINEB-1	A9K180472-008	BEHP (4.3JB)	A9K180472-002 A9K180472-006 A9K180472-007	2.1 7.9 2.1	JB JB JB	None, qualified based on MB
20091117CINEB-1	A9K180472-008	4-Chloro-3-methylphenol (5.1J)	None, all ND	ND	None	None
20091117CINEB-1	A9K180472-008	Di-n-butyl phthalate (1.1J)	None, all ND	ND	None	None
20091120CINFB-1	A9K230402-014	Acetophenone (0.60J)	None, all ND	ND	None	None
20091120CINFB-1	A9K230402-014	BEHP (2.2JB)	A9K230402-001 A9J239402-002 A9K230402-003 A9K230402-004 A9K230402-006 A9K230402-009 A9K230402-010 A9K230402-011	1.4 1.9 1.1 1.1 0.85 1.1 1.4 1.4	None	None, qualified based on MB
20091120CINFB-1	A9K230402-014	4-Chloro-3-methylphenol (4.1J)	None, all ND	ND	None	None
20091120CINFB-1	A9K230402-014	Di-n-butyl phthalate (0.91J)	None, all ND	ND	None	None
20091123CINEB-1	A9K250609-002	Acetophenone (1.3J)	None, all ND	ND	None	None
20091123CINEB-1	A9K250609-002	BEHP (4.3JB)	A9K250609-004 A9K250609-005 A9K250609-006	2.7 1.7 2.9	None	None, qualified based on MB
20091123CINEB-1	A9K250609-002	BEHP (4.3JB)	A9K250609-007 A9K250609-007	97 75	None None	None, >5x None, >5x

H. Field Duplicate Samples

As part of the 2009 sampling effort, a field duplicate was collected for each of the following two samples and analyzed for SVOCs: 20091112UAW02-40V38N and 20091120UAW10-50V52N. Relative percent difference (RPD) values were calculated as shown below.

$$RPD = \left[\frac{V1 - V2}{[V1 + V2]/2} \right] x100$$

If only one of the field duplicate sample pairs was non-compliant, then only the non-compliant result in that field duplicate sample pair was qualified based on field duplicate results.

RPD values are reported in the attached table only for those constituents that were detected in both samples at a concentration greater than two times the reporting limit (2xRL); otherwise, the RPD is not applicable (N/A). Evaluation results are shown below.

Sample Group	Sample ID	Analyte	Sample Result	FD Result	%RPD	Qual
A9K140441	20091112UAW02-40V38N	All SVOCs	All ND or <RL	All ND or <RL	N/A	None
A9K230402	20091120UAW10-50V52N	All SVOCs	All ND or <RL	All ND	N/A	None

For aqueous samples, RPDs exceeding 30% for constituents detected in both field sample and duplicate at greater than two times the reporting limit (2xRL), should be qualified as estimated, ”J”, in associated samples (unless the data reviewer can use professional judgment to justify why associated sample data should not be qualified). No groundwater sample results were qualified based on field duplicate RPD values.

I. Sample Dilution Analyses and Reporting Limits

Certain samples were analyzed at dilution. Sample reporting limits were adjusted accordingly.

J. Calibration Range Exceedances

Sample results were within the calibration range with the exception of the result for BEHP in sample A9K250609-007 that was qualified as estimated (J) because the calibration range was exceeded. Sample was reanalyzed at (higher) dilution with both sets of data reported; as summarized on Table D-3, the BEHP result from the higher dilution re-analysis and all other SVOC results from the initial analysis were selected for use for project decision-making. Evaluation results are shown below.

Lab Sample ID	QC Batch/ Dilution	Analyte	Sample Result	Lab Flag	Data Qual
A9K250609-007	9331014/1	BEHP	97	B,E	J

Metals by Methods SW6010B and Mercury by SW7470A

A. Holding Times

Maximum holding time for analysis of metals in water samples cooled to 4°C and preserved to a pH of $\leq$2 with HNO_3 is 6 months from sample collection. Evaluation results are shown below.

All samples in sample groups A9K140441, A9K180472, A9K230402, and A9K250609 were preserved to pH of $\leq$2, with cooler temperatures in the range of 1.2°C to 4.2°C as verified from TestAmerica Cooler Receipt Forms. No sample results were qualified based on holding times.

B. Laboratory Method Blank

Target metals were analyzed in a laboratory method blank with each analysis QC batch. Sample concentrations less than 5x the blank amount were qualified as "U" (at the RL if sample result was less than the RL) based on associated method blank contamination and should be considered to be potential "false-positive" results. Evaluation results are as shown below.

One method blank was analyzed for each QC batch in sample groups A9K140441, A9K180472, A9K230402, and A9K250609; analytes were reported as ND, with the exceptions shown below.

SDG	QC Batch	Method Blank ID	Analyte Conc. (µg/L)	Affected Samples	Sample Conc. (µg/L)	(MB)x5 xDF	Lab Flag	Data Qual.
A9K140441	9320023	A9K160000-023	Barium (0.87B)	A9K140441-001	524	4.35	J	None, >5x
				A9K140441-002	351			
				A9K140441-003	150			
				A9K104441-004	46.3			
				A9K140441-005	173			
				A9K140441-006	117			
				A9K140441-007	118			
				A9K140441-008	247			
				A9K140441-009	272			
				A9K140441-010	290			
				A9K140441-011	214			
				A9K140441-012	58.4			
				A9K140441-013	165			
A9K140441	9320023	A9K160000-023	Calcium (411B)	A9K140441-001	404000	2055	J	None, >5x
				A9K140441-002	128000			
				A9K140441-003	232000			
				A9K104441-004	200000			
				A9K140441-005	217000			
				A9K140441-006	115000			
				A9K140441-007	115000			
				A9K140441-008	266000			
				A9K140441-009	94400			
				A9K140441-010	247000			
				A9K140441-011	135000			
				A9K140441-012	95800			
				A9K140441-013	99900			
A9K140441	9320023	A9K160000-023	Magnesium (35.1B)	A9K140441-001	106000	175	J	None, >5x
				A9K140441-002	48700			
				A9K140441-003	42500			
				A9K104441-004	58100			
				A9K140441-005	45800			
				A9K140441-006	35800			
				A9K140441-007	35800			
				A9K140441-008	54700			
				A9K140441-009	24900			
				A9K140441-010	50100			
				A9K140441-011	42300			
				A9K140441-012	23600			
				A9K140441-013	29600			

SDG	QC Batch	Method Blank ID	Analyte Conc. (µg/L)	Affected Samples	Sample Conc. (µg/L)	(MB)x5 xDF	Lab Flag	Data Qual.
A9K140441	9320023	A9K160000-023	Manganese (0.47B)	A9K140441-001 A9K140441-002 A9K140441-003 A9K104441-004 A9K140441-005 A9K140441-006 A9K140441-007 A9K140441-008 A9K140441-009 A9K140441-010 A9K140441-011 A9K140441-012 A9K140441-013	233 899 8110 26 423 588 592 1460 424 397 768 121 309	2.35	J	None, >5x
A9K140441	9320023	A9K160000-023	Potassium (175B)	A9K140441-001 A9K140441-002 A9K140441-003 A9K104441-004 A9K140441-005 A9K140441-006 A9K140441-007 A9K140441-008 A9K140441-009 A9K140441-010 A9K140441-011 A9K140441-012 A9K140441-013	5870 3810 6930 1620 3130 160 1750 3690 1790 19700 1160 3540 834	875	J	None, >5x
A9K140441	9320023	A9K160000-023	Zinc (6.5B)	A9K140441-001 A9K140441-002 A9K140441-003 A9K140441-005 A9K140441-006 A9K140441-007 A9K140441-009 A9K140441-010	7.5 8.8 132.7 5.1 6.2 9.1 5.4 5.3	32.5	J	20U 20U None, >5x 20U 20U 20U 20U 20U
A9K140441	9320023	A9K160000-023	Thallium (7.5B)	A9K140441-001 A9K140441-007 A9K140441-008 A9K140441-012	5.1 5.5 5.6 5.2	37.5	J	10U
A9K180472	9323017	A9K190000-017	Barium (0.87 B)	A9K180472-001 A9K180472-002 A9K180472-003 A9K180472-004 A9K180472-005 A9K180472-006 A9K180472-007 A9K180472-010	137 202 93.6 82 92.3 135 65.8 91.9	4.35	J	None, >5x

SDG	QC Batch	Method Blank ID	Analyte Conc. (µg/L)	Affected Samples	Sample Conc. (µg/L)	(MB)x5 xDF	Lab Flag	Data Qual.
A9K180472	9323017	A9K190000-017	Calcium (278 B)	A9K180472-001	271000	1390	J	None, >5x
				A9K180472-002	229000			None, >5x
				A9K180472-003	922000			None, >5x
				A9K180472-004	375000			None, >5x
				A9K180472-005	268000			None, >5x
				A9K180472-006	119000			None, >5x
				A9K180472-007	32400			None, >5x
				A9K180472-008	406			5000U
				A9K180472-010	225000			None, >5x
A9K180472	9323017	A9K190000-017	Magnesium (47.5 B)	A9K180472-001	49700	238	J	None, >5x
				A9K180472-002	45900			None, >5x
				A9K180472-003	140000			None, >5x
				A9K180472-004	61800			None, >5x
				A9K180472-005	51300			None, >5x
				A9K180472-006	34300			None, >5x
				A9K180472-007	1460			None, >5x
				A9K180472-010	39300			None, >5x
A9K180472	9323017	A9K190000-017	Potassium (196 B)	A9K180472-001	9500	980	J	None, >5x
				A9K180472-002	7560			None, >5x
				A9K180472-003	18300			None, >5x
				A9K180472-004	11000			None, >5x
				A9K180472-005	7010			None, >5x
				A9K180472-006	2420			None, >5x
				A9K180472-007	6270			None, >5x
				A9K180472-008	169			5000U
				A9K180472-010	6480			None, >5x
A9K180472	9323017	A9K190000-017	Zinc (10.5B)	A9K180472-001	82.8	53.5	J	None, >5x
				A9K180472-003	13.3			20U
				A9K180472-004	14.8			20U
				A9K180472-006	27.2			U
				A9K180472-007	40.1			U
				A9K180472-008	10.7			20U
				A9K180472-010	13.9			20U
A9K230402	9327024	A9K230000-024	Barium (0.71 B)	A9K230402-001	45.7	3.55		None, >5x
				A9K230402-002	290			
				A9K230402-003	105			
				A9K230402-004	23.4			
				A9K230402-005	245			
				A9K230402-006	208			
				A9K230402-007	51.4			
				A9K230402-008	5.4			
				A9K230402-009	67.2			
				A9K230402-010	229			
				A9K230402-011	42.6			
				A9K230402-014	42.4			
				A9K230402-015	657			
				A9K230402-016	36.0			

SDG	QC Batch	Method Blank ID	Analyte Conc. (µg/L)	Affected Samples	Sample Conc. (µg/L)	(MB)x5 xDF	Lab Flag	Data Qual.
A9K230402	9327024	A9K230000-024	Calcium (182 B)	A9K230402-001	77900	910	J	None, >5x
				A9K230402-002	105000			
				A9K230402-003	163000			
				A9K230402-004	262000			
				A9K230402-005	133000			
				A9K230402-006	198000			
				A9K230402-007	735000			
				A9K230402-008	787000			
				A9K230402-009	64400			
				A9K230402-010	105000			
				A9K230402-011	173000			
				A9K230402-014	173000			
				A9K230402-015	314000			
				A9K230402-016	254000			
A9K230402	9327024	A9K230000-024	Magnesium (42.9B)	A9K230402-001	20700	214	J	None, >5x
				A9K230402-002	36500			
				A9K230402-003	32300			
				A9K230402-004	60800			
				A9K230402-005	43800			
				A9K230402-006	49400			
				A9K230402-007	53200			
				A9K230402-008	85200			
				A9K230402-009	24800			
				A9K230402-010	34500			
				A9K230402-011	57600			
				A9K230402-014	57400			
				A9K230402-015	204000			
				A9K230402-016	32100			
A9K230402	9327024	A9K230000-024	Manganese (0.46B)	A9K230402-001	6.7	2.30	J	None, >5x
				A9K230402-002	154			
				A9K230402-003	3790			
				A9K230402-004	883			
				A9K230402-005	279			
				A9K230402-006	81.6			
				A9K230402-007	3490			
				A9K230402-008	2740			
				A9K230402-009	429			
				A9K230402-010	235			
				A9K230402-011	389			
				A9K230402-014	390			
				A9K230402-015	133			
				A9K230402-016	2040			
A9K230402	9327024	A9K230000-024	Zinc (10.8 B)	A9K230402-004	7.7	54	J	20U
				A9K230402-005	11.4			20U
				A9K230402-007	23.3			None, >5x
				A9K230402-008	13.3			20U
				A9K230402-009	11.2			20U
				A9K230402-010	19.2			20U
				A9K230402-011	8.8			20U
				A9K230402-014	11.6			20U
				A9K230402-015	35.5			None, >5x

SDG	QC Batch	Method Blank ID	Analyte Conc. (µg/L)	Affected Samples	Sample Conc. (µg/L)	(MB)x5 xDF	Lab Flag	Data Qual.
A9K250609	9334018	A9K30000-018	Barium (0.95B)	A9K250609-001 A9K250609-003 A9K250609-004 A9K250609-005 A9K250609-006 A9K250609-007 A9K250609-008 A9K250609-009	131 67.7 23.3 253 489 76.8 176 72.5	4.75	J	None, >5x
A9K250609	9334018	A9K30000-018	Calcium (408 B)	A9K250609-001 A9K250609-003 A9K250609-004 A9K250609-005 A9K250609-006 A9K250609-007 A9K250609-008 A9K250609-009	197000 180000 204000 262000 343000 106000 79800 312000	2040	J	None, >5x
A9K250609	9334018	A9K30000-018	Magnesium (52.9 B)	A9K250609-001 A9K250609-003 A9K250609-004 A9K250609-005 A9K250609-006 A9K250609-007 A9K250609-008 A9K250609-009	64400 52600 69400 83300 67900 28900 32600 67800	264.5	J	None, >5x
A9K250609	9334018	A9K30000-018	Manganese (0.63B)	A9K250609-001 A9K250609-003 A9K250609-004 A9K250609-005 A9K250609-006 A9K250609-007 A9K250609-008 A9K250609-009	595 13.7 68.4 1100 4690 20.1 95.6 148	3.15	J	None, >5x
A9K250609	9334018	A9K30000-018	Potassium (163 B)	A9K250609-001 A9K250609-002 A9K250609-003 A9K250609-004 A9K250609-005 A9K250609-006 A9K250609-007 A9K250609-008 A9K250609-009	1700 151 1700 2040 8800 6730 1430 1760 20100	815	J	None, >5x 5000U None, >5x None, >5x None, >5x None, >5x None, >5x None, >5x None, >5x

C. Laboratory Control Standards (LCS)

An LCS was analyzed with each preparation batch for analysis of metals. An LCS/LCSD pair was analyzed with each of the preparation batches for which a project sample was not used for MS/MSD analyses. Ranges of LCS %R, as well as those for LCS/LCSD RPD values, are detailed in the TestAmerica Reports. Evaluation results are shown below.

In Sample Groups A9K140441, A9K180472, A9K230402, and A9K250609 all LCS %R, LCSD %R, and LCS/LCSD RPD values for each of the LCS or LCS/LCSD analyses

were within the advisory QC limits. No qualification of data is necessary based on LCS results.

D. Matrix Spike and Matrix Spike Duplicates (MS and MSD)

MS/MSD results were reported with the analysis of the samples for metals. Ranges of MS %R values and advisory limits for MS %R, as well as those for MS/MSD RPD values, are detailed in the TestAmerica Reports. Evaluation results are shown below.

- The following samples were used for MS/MSD analyses: 20091111UAW15-20V14N (lab# A9K140441-001), 20091117LAW05-60V55N (lab# A9K180472-006), 20091118UAW09-20V24N (lab# A9K230402-001), and 200911124UAW24-70V65N (lab# A9K250609-008). Reported MS %R results and MS/MSD RPD results were within the laboratory's QC acceptance limits for all analytes in all samples, with the exceptions shown below; MS/MSD results were not reported by the laboratory in instances where the sample concentration was greater than four times the spike amount because the MS/MSD %R results are not meaningful. Unless all MS/MSD samples were similarly non-compliant, only the non-compliant analyte(s) in the sample used for MS/MSD (and the associated field duplicate pair sample, if applicable) was qualified.

Lab Sample ID	QC Batch	Analyte	MS/MSD %R	QC Limit	RPD	QC Limit	Affected Samples	Val Flag
A9K140441-001	930023	Potassium	132/130	75-125	1.4	20	A9K140441-001	J

- In analytical batches in which a project sample was not used for MS/MSD analyses, a non-project sample was used for MS/MSD analyses; results were not applicable.

E. Trip Blanks

Trip blanks were not collected (are not required) for metals analysis.

F. Field QC Blanks (Equipment Rinsate Blanks and Field Blanks)

As part of the November 2009 sampling event, two equipment rinsate blanks (equipment blanks) and one field blank were submitted for analysis of metals. Sample concentrations less than five times the blank amount (times DF) were qualified as "U" (at the RL value if sample result was less than the RL) based on associated equipment blank contamination and should be considered to be potential "false-positive" results. Evaluation results are shown below.

- In field blank 20091120CINFB-1 (mislabeled as 20091120UAW10-50V52FD in lab# A9K230402-012) all target analytes were reported as ND.
- In equipment blanks 20091117CINEB-1 (lab # A9K180472-008) and 20091123CINEB-1 (lab# A9K250609-002) target analytes were reported as ND, with the exceptions shown below. Sample results associated with a method blank (see method blank section) having similar analyte levels as the associated field QC blank are not shown below unless they are not qualified based on method blank results and would be qualified based on field QC blank results.

Field QC Blank ID	Lab Sample ID	Analyte Conc. (µg/L)	Affected Samples	Sample Conc. (µg/L)	Lab Qual	Data Qual.
20091117CINEB-1	A9K180472-008	Calcium (406 JB)	None, see explanation above			None, qualified based on MB
20091117CINEB-1	A9K180472-008	Potassium (169 JB)	None, see explanation above			None, qualified based on MB
20091117CINEB-1	A9K180472-008	Zinc (10.7 JB)	None, see explanation above			None, qualified based on MB
20091123CINEB-1	A9K250609-002	Potassium (151 JB)	None, see explanation above			None, qualified based on MB

G. Field Duplicate Samples

As part of the 2009 sampling effort, a field duplicate was collected from each of the following two samples and analyzed for metals: 20091112UAW02-40V38N and 20091120UAW10-50V52N. Relative percent difference (RPD) values were calculated as shown below.

$$RPD = \left[\frac{V1 - V2}{[V1 + V2]/2} \right] x100$$

If only one of the field duplicate sample pairs was non-compliant, then only the non-compliant result in that field duplicate sample pair was qualified based on field duplicate results.

RPD values are reported in the attached table only for those constituents that were detected in both samples at a concentration greater than two times the reporting limit (2xRL); otherwise, the RPD is not applicable (N/A). Evaluation results are shown below.

Sample Group	Sample ID	Analyte	Sample Result (µg/L)	FD Result (µg/L)	%RPD	Qual
A9K140441	20091112UAW02-40V38N	Calcium	115000	115000	0.0	None
A9K140441	20091112UAW02-40V38N	Iron	4190	4340	3.5	None
A9K140441	20091112UAW02-40V38N	Magnesium	35800	35800	0.0	None
A9K140441	20091112UAW02-40V38N	Manganese	588	592	0.7	None
A9K140441	20091112UAW02-40V38N	Sodium	37600	37800	0.5	None
A9K230402	20091120UAW10-50V52N	Calcium	173000	173000	0.0	None
A9K230402	20091120UAW10-50V52N	Iron	112	140	22	None
A9K230402	20091120UAW10-50V52N	Magnesium	57600	57400	0.3	None
A9K230402	20091120UAW10-50V52N	Manganese	389	390	0.3	None
A9K230402	20091120UAW10-50V52N	Sodium	35700	35700	0.0	None

For aqueous samples, RPDs exceeding 30% for constituents detected in both field sample and duplicate at greater than two times the reporting limit (2xRL), should be qualified as estimated, ”J”, in associated samples (unless the data reviewer can use professional judgement to justify why associated sample data should not be qualified). No groundwater sample results were qualified based on field duplicate RPD values.

TABLE D-1
SUMMARY OF SAMPLE ANALYSES AND DATA REVIEW PERFORMED
ROHM AND HAAS – CINCINNATI FACILITY

Parsons Sample ID	TestAmerica SDG and/or Lot#	Lab Sample #	Sample Date	Sample Matrix/ Type	SW8260B VOCs	SW8270C SVOCs	SW6010B METALS	SW7470A MERCURY	DATA USABLE(1)
20091111UAW15-20V14N	SDG9K14441/ A9K140441	A9K140441-001	11/11/09	GW/N	X	X	X	X	Yes
20091111UAW15-50V44N	SDG9K14441/ A9K140441	A9K140441-002	11/11/09	GW/N	X	X	X	X	Yes
20091111UAW22-20V15N	SDG9K14441/ A9K140441	A9K140441-003	11/11/09	GW/N	X	X	X	X	Yes
20091111UAW27-50V43N	SDG9K14441/ A9K140441	A9K140441-004	11/11/09	GW/N	X	X	X	X	Yes
20091112UAW02-20V15N	SDG9K14441/ A9K140441	A9K140441-005	11/12/09	GW/N	X	X	X	X	Yes
20091112UAW02-40V38N	SDG9K14441/ A9K140441	A9K140441-006	11/12/09	GW/N	X	X	X	X	Yes
20091112UAW02-40V38FD	SDG9K14441/ A9K140441	A9K140441-007	11/12/09	GW/FD	X	X	X	X	Yes
20091112UAW25-20V19N	SDG9K14441/ A9K140441	A9K140441-008	11/12/09	GW/N	X	X	X	X	Yes
20091112UAW01-80V74N	SDG9K14441/ A9K140441	A9K140441-009	11/12/09	GW/N	X	X	X	X	Yes
20091112UAW01-30V28N	SDG9K14441/ A9K140441	A9K140441-010	11/12/09	GW/N	X	X	X	X	Yes
20091113UAW21-80V70N	SDG9K14441/ A9K140441	A9K140441-011	11/13/09	GW/N	X	X	X	X	Yes
20091113UAW21-30V26N	SDG9K14441/ A9K140441	A9K140441-012	11/13/09	GW/N	X	X	X	X	Yes
20091113UAW17-40V43N	SDG9K14441/ A9K140441	A9K140441-013	11/13/09	GW/N	X	X	X	X	Yes
20091113CINTB-1	SDG9K14441/ A9K140441	A9K140441-014	11/13/09	AQ/TB	X	-	-	-	Yes
20091116UAW03-20V16N	A9K180472	A9K180472-001	11/16/09	GW/N	X	X	X	X	Yes

TABLE D-1
SUMMARY OF SAMPLE ANALYSES AND DATA REVIEW PERFORMED
ROHM AND HAAS – CINCINNATI FACILITY

Parsons Sample ID	TestAmerica SDG and/or Lot#	Lab Sample #	Sample Date	Sample Matrix/ Type	SW8260B VOCs	SW8270C SVOCs	SW6010B METALS	SW7470A MERCURY	DATA USABLE(1)
20091116-UAW04-20V16N	A9K180472	A9K180472-002	11/16/09	GW/N	X	X	X	X	Yes
20091116UAW08-20V14N	A9K180472	A9K180472-003	11/16/09	GW/N	X	X	X	X	Yes
20091116UAW07-20V14N	A9K180472	A9K180472-004	11/16/09	GW/N	X	X	X	X	Yes
20091117UAW05-20V14N	A9K180472	A9K180472-005	11/16/09	GW/N	X	X	X	X	Yes
20091117LAW05-60V55N	A9K180472	A9K180472-006	11/16/09	GW/N	X	X	X	X	Yes
20091117LAW05-150V145N	A9K180472	A9K180472-007	11/16/09	GW/N	X	X	X	X	Yes
20091117CINEB-1	A9K180472	A9K180472-008	11/16/09	AQ/EB	X	X	X	X	Yes
20091117CINTB-1	A9K180472	A9K180472-009	11/16/09	AQ/TB	X	-	-	-	Yes
20091117UAW06-20V14N	A9K180472	A9K180472-010	11/16/09	GW/N	X	X	X	X	Yes
20091118UAW09-20V24N	9K30402/ A9K230402	A9K230402-001	11/18/09	GW/N	X	X	X	X	Yes
20091118UAW09-60V55N	9K30402/ A9K230402	A9K230402-002	11/18/09	GW/N	X	X	X	X	Yes
20091118UAW11-10V12N	9K30402/ A9K230402	A9K230402-003	11/18/09	GW/N	X	X	X	X	Yes
20091118UAW11-40V38N	9K30402/ A9K230402	A9K230402-004	11/18/09	GW/N	X	X	X	X	Yes
20091119UAW26-70V73N	9K30402/ A9K230402	A9K230402-005	11/19/09	GW/N	X	X	X	X	Yes
20091119MW-EPA-4V15N	9K30402/ A9K230402	A9K230402-006	11/19/09	GW/N	X	X	X	X	Yes
20091119UAW12-20V14N	9K30402/ A9K230402	A9K230402-007	11/19/09	GW/N	X	X	X	X	Yes
20091119UAW13-20V14N	9K30402/ A9K230402	A9K230402-008	11/19/09	GW/N	X	X	X	X	Yes
20091119LAW12-60V55N	9K30402/ A9K230402	A9K230402-009	11/19/09	GW/N	X	X	X	X	Yes
20091120UAW10-80V81N	9K30402/ A9K230402	A9K230402-010	11/20/09	GW/N	X	X	X	X	Yes

TABLE D-1
SUMMARY OF SAMPLE ANALYSES AND DATA REVIEW PERFORMED
ROHM AND HAAS – CINCINNATI FACILITY

Parsons Sample ID	TestAmerica SDG and/or Lot#	Lab Sample #	Sample Date	Sample Matrix/ Type	SW8260B VOCs	SW8270C SVOCs	SW6010B METALS	SW7470A MERCURY	DATA USABLE[(1)]
20091120UAW10-50V52N	9K30402/ A9K230402	A9K230402-011	11/20/09	GW/N	X	X	X	X	Yes
20091120UAW10-50V52FD	9K30402/ A9K230402	A9K230402-014	11/20/09	GW/FD	X	X	X	X	Yes
20091120CINTB-1	9K30402/ A9K230402	A9K230402-013	11/20/09	AQ/TB	X	X	X	X	Yes
20091120CINFB-1	9K30402/ A9K230402	A9K230402-012	11/20/09	AQ/EB	X	X	X	X	Yes
20091120MW-EPA-1V15N	9K30402/ A9K230402	A9K230402-015	11/20/09	GW/N	X	X	X	X	Yes
20091120UAW16-10V12N	9K30402/ A9K230402	A9K230402-016	11/20/09	GW/N	X	X	X	X	Yes
200911123MW-EPA-3V15N	A9K250609	A9K250609-001	11/23/09	GW/N	X	X	X	X	Yes
200911123CINEB-1	A9K250609	A9K250609-002	11/23/09	AQ/EB	X	X	X	X	Yes
200911123UAW19-80V70N	A9K250609	A9K250609-003	11/23/09	GW/N	X	X	X	X	Yes
200911123UAW20-60V53N	A9K250609	A9K250609-004	11/23/09	GW/N	X	X	X	X	Yes
200911123MW-EPA-2V15N	A9K250609	A9K250609-005	11/23/09	GW/N	X	X	X	X	Yes
200911124UAW18-20V15N	A9K250609	A9K250609-006	11/24/09	GW/N	X	X	X	X	Yes
200911124UAW14-10V13N	A9K250609	A9K250609-007	11/24/09	GW/N	X	X	X	X	Yes
200911124UAW24-70V65N	A9K250609	A9K250609-008	11/24/09	GW/N	X	X	X	X	Yes
200911124UAW23-20V23N	A9K250609	A9K250609-009	11/24/09	GW/N	X	X	X	X	Yes
200911124CINTB-1	A9K250609	A9K250609-010	11/24/09	AQ/TB	X	-	-	-	Yes

[(1)] "YES"- Sample analysis considered valid and usable.
Sample Matrix: "GW" = ground water"; "AQ" = aqueous.
Sample Type: "N" = normal; "FD" = field duplicate; "TB" = trip blank; "EB" = equipment blank; "FB" = field blank.

TABLE D-2
SAMPLE QUALIFICATION SUMMARY
ROHM AND HAAS – CINCINNATI FACILITY

Sample ID	Lab Sample ID	QC Batch/ Dilution factor	Analyte	Conc. (µg/L)	Lab Flag	Qualifier	Reason
20091116UAW03-20V16N	A9K180472-001	9328468/2.5	Methylene chloride	0.86	JB	2.5U	Method blank
20091116UAW08-20V14N	A9K180472-003	9328468/5	Methylene chloride	1.7	JB	5.0U	Method blank
20091116UAW07-20V14N	A9K180472-004	9328468/6.7	Methylene chloride	3.3	JB	6.7U	Method blank
20091116UAW07-20V14N	A9K180472-004	9328468/6.7	Methylcyclohexane	1.2	JB	6.7U	Method blank
200091117UAW05-20V14N	A9K180472-005	9328468/20	Methylene chloride	9.5	JB	20U	Method blank
20091117UAW06-20V14N	A9K180472-010	9328468/1	Methylcyclohexane	0.18	JB	1.0U	Method blank
20091117LAW05-150V145N	A9K180472-007	9328468/1	1,2,4-Trichlorobenzene	0.33	JB	1.0U	Method blank
20091116UAW08-20V14N	A9K180472-003	9328468/5	Acetone	43	J	50U	Trip blank
200911124UAW4-10V13N	A9K250609-007	9331014/1	BEHP	97	BE	J	Calibration range exceeded
20091111UAW15-50V44N	A9K140441-002	9320294/1	BEHP	2.0	JB	10U	Method blank
20091111UAW27-50V43N	A9K140441-004	9320294/1	BEHP	2.7	JB	10U	Method blank
20091112UAW02-40V38N	A9K140441-006	9320294/1	BEHP	3.8	JB	10U	Method blank
20091112UAW02-40V38FD	A9K140441-007	9320294/1	BEHP	3.2	JB	10U	Method blank
20091112UAW25-20V19N	A9K140441-008	9320294/1	BEHP	1.3	JB	10U	Method blank
20091113UAW21-80V70N	A9K140441-011	9320294/1	BEHP	0.96	JB	10U	Method blank
20091113UAW17-40V34N	A9K140441-013	9320294/1	BEHP	1.2	JB	10U	Method blank
20091116UAW04-20V16N	A9K180472-002	9323041/1	BEHP	2.1	JB	10U	Method blank
20091117LAW05-60V55N	A9K180472-006	9323041/1	BEHP	7.9	JB	10U	Method blank
20091117LAW05-150V145N	A9K180472-007	9323041/1	BEHP	2.1	JB	10U	Method blank
20091117CINEB-1	A9K180472-008	9323041/1	BEHP	4.3	JB	10U	Method blank
2009112UAW24-70V65N	A9K250609-008	9331014/1	4-Chloro-3-methylphenol	ND		UJ	Surrogate %R
2009112UAW24-70V65N	A9K250609-008	9331014/1	2-Chlorophenol	ND		UJ	Surrogate %R
2009112UAW24-70V65N	A9K250609-008	9331014/1	2,4-Dichlorophenol	ND		UJ	Surrogate %R
2009112UAW24-70V65N	A9K250609-008	9331014/1	4,6-Dinitro-2-methylphenol	ND		UJ	Surrogate %R
2009112UAW24-70V65N	A9K250609-008	9331014/1	2,4-Dimethylphenol	ND		UJ	Surrogate %R
2009112UAW24-70V65N	A9K250609-008	9331014/1	2,4-Dinitrophenol	ND		UJ	Surrogate %R
2009112UAW24-70V65N	A9K250609-008	9331014/1	2-Methylphenol	ND		UJ	Surrogate %R
2009112UAW24-70V65N	A9K250609-008	9331014/1	4-Methylphenol	ND		UJ	Surrogate %R
2009112UAW24-70V65N	A9K250609-008	9331014/1	2-Nitrophenol	ND		UJ	Surrogate %R

TABLE D-2
SAMPLE QUALIFICATION SUMMARY
ROHM AND HAAS – CINCINNATI FACILITY

Sample ID	Lab Sample ID	QC Batch/ Dilution factor	Analyte	Conc. (µg/L)	Lab Flag	Qualifier	Reason
2009112UAW24-70V65N	A9K250609-008	9331014/1	4-Nitrophenol	ND		UJ	Surrogate %R
2009112UAW24-70V65N	A9K250609-008	9331014/1	Pentachlorophenol	ND		UJ	Surrogate %R
2009112UAW24-70V65N	A9K250609-008	9331014/1	Phenol	ND		UJ	Surrogate %R
2009112UAW24-70V65N	A9K250609-008	9331014/1	2,4,5-Trichlorophenol	ND		UJ	Surrogate %R
2009112UAW24-70V65N	A9K250609-008	9331014/1	2,4,6-Trichlorophenol	ND		UJ	Surrogate %R
2009112UAW24-70V65N	A9K250609-008	9337497/1	All SVOCs	ND		UJ	Holding time exceeded
20091111UAW15-20V14N	A9K140441-001	9329923/1	Potassium	5870	J	J	MS/MSD %R
20091118UAW09-20V24N	A9K230402-001	9327176/1	BEHP	1.4	JB	10U	Method blank
20091118UAW09-60V55N	A9K230402-002	9327176/1	BEHP	1.9	JB	10U	Method blank
20091118UAW11-10V12N	A9K230402-003	9327176/1	BEHP	1.1	JB	10U	Method blank
20091118UAW11-40V38N	A9K230402-004	9327176/1	BEHP	1.1	JB	10U	Method blank
20091119MW-EPA-4V15N	A9K230402-006	9327176/1	BEHP	0.85	JB	10U	Method blank
20091119LAW12-60V55N	A9K230402-009	9327176/1	BEHP	1.1	JB	10U	Method blank
20091120UAW10-80V81N	A9K230402-010	9327176/1	BEHP	1.4	JB	10U	Method blank
20091120UAW10-50V52N	A9K230402-011	9327176/1	BEHP	1.4	JB	10U	Method blank
20091120CINFB-1	A9K230402-014	9327176/1	BEHP	2.2	JB	10U	Method blank
20091120UAW16-10V12N	A9K230402-016	9327176/1	BEHP	2.6	JB	10U	Method blank
20091123CINEB-1	A9K250609-002	9331014/1	BEHP	4.3	JB	10U	Method blank
20091123UAW20-60V53N	A9K250609-004	9331014/1	BEHP	2.7	JB	10U	Method blank
20091123MW-EPA-2V15N	A9K250609-005	9331014/1	BEHP	1.7	JB	10U	Method blank
20091124UAW18-20V15N	A9K250609-006	9331014/1	BEHP	2.9	JB	10U	Method blank
20091124UAW23-20V23N	A9K250609-009	9331014/1	BEHP	0.98	JB	10U	Method blank
20091111UAW15-20V14N	A9K140441-001	9320023/1	Zinc	7.5	J	20U	Method blank
20091111UAW15-50V44N	A9K140441-002	9320023/1	Zinc	8.8	J	20U	Method blank
20091112UAW02-20V15N	A9K140441-005	9320023/1	Zinc	5.1	J	20U	Method blank
20091112UAW02-40V38N	A9K140441-006	9320023/1	Zinc	6.2	J	20U	Method blank
20091112UAW02-40V38FD	A9K140441-007	9320023/1	Zinc	9.1	J	20U	Method blank
20091112UAW01-80V74N	A9K140441-009	9320023/1	Zinc	5.4	J	20U	Method blank
20091112UAW01-30V28N	A9K140441-010	9320023/1	Zinc	5.3	J	20U	Method blank

TABLE D-2
SAMPLE QUALIFICATION SUMMARY
ROHM AND HAAS – CINCINNATI FACILITY

Sample ID	Lab Sample ID	QC Batch/ Dilution factor	Analyte	Conc. (µg/L)	Lab Flag	Qualifier	Reason
20091111UAW15-20V14N	A9K140441-001	9320023/1	Thallium	5.1	J	10U	Method blank
20091112UAW02-40V38FD	A9K140441-007	9320023/1	Thallium	5.5	J	10U	Method blank
20091112UAW25-20V19N	A9K140441-008	9320023/1	Thallium	5.6	J	10U	Method blank
20091113UAW21-30V26N	A9K140441-012	9320023/1	Thallium	5.2	J	10U	Method blank
20091117CINEB-1	A9K180472-008	9323017/1	Calcium	406	JB	5000U	Method blank
20091117CINEB-1	A9K180472-008	9323017/1	Potassium	169	JB	5000U	Method blank
20091116UAW08-20V14N	A9K180472-003	9323017/1	Zinc	13.3	JB	20U	Method blank
20091116UAW07-20V14N	A9K180472-004	9323017/1	Zinc	14.8	JB	20U	Method blank
20091117LAW05-60V55N	A9K180472-006	9323017/1	Zinc	27.2	J	U	Method blank
20091117LAW05-150V145N	A9K180472-007	9323017/1	Zinc	40.1	J	U	Method blank
20091117CINEB-1	A9K180472-008	9323017/1	Zinc	10.7	JB	20U	Method blank
20091117UAW06-20V14N	A9K180472-010	9323017/1	Zinc	13.9	JB	20U	Method blank
20091118UAW11-40V38N	A9K230402-004	9327024/1	Zinc	7.7	JB	20U	Method blank
20091119UAW26-70V73N	A9K230402-005	9327024/1	Zinc	11.4	JB	20U	Method blank
20091119UAW13-20V14N	A9K230402-008	9327024/1	Zinc	13.3	JB	20U	Method blank
20091119LAW12-60V55N	A9K230402-009	9327024/1	Zinc	11.2	JB	20U	Method blank
20091120UAW10-80V81N	A9K230402-010	9327024/1	Zinc	19.2	JB	20U	Method blank
20091120UAW10-50V52N	A9K230402-011	9327024/1	Zinc	8.8	JB	20U	Method blank
20091120CINFB-1	A9K230402-014	9327024/1	Zinc	11.6	JB	20U	Method blank
20091123CINEB-1	A9K250609-002	9334018/1	Potassium	151	JB	5000U	Method blank

Lab result "ND"= not detected; Lab flag “E” = exceeds calibration range; Lab flag "B" = associated method blank contamination; “J” VAL Flag (final Q) = estimated; "U" Val flag = undetected; “UJ” VAL Flag (final Q) = undetected, estimated.

TABLE D-3
DATA SELECTION DECISIONS
ROHM AND HAAS – CINCINNATI FACILITY

Sample ID	Lab Sample ID	QC Batch/ Dilution Factor	Analyte	Result	Units	Lab Flag	VAL Flag (Data Usability Flag)	Data Selection Decision	Reason
20091124UAW14-10V13N	A9K250609-007	9331014/1	BEHP	97	µg/L	B,E	J	Don't Use	Calibration range exceeded
20091124UAW14-10V13N	A9K250609-007	9331014/4	BEHP	75	µg/L	B		Use	
20091124UAW14-10V13N	A9K250609-007	9331014/4	All Other SVOCs					Don't Use	Use 1x results
2009112UAW24070V65N	A9K250609-008	9337497/1	All SVOCs	ND	µg/L		UJ	Don't Use	Holding time exceeded
2009112UAW24070V65N	A9K250609-008	9331014/1	All SVOCs	ND			UJ (phenols)	Use	

Lab flag “E” = exceeds calibration range; Lab flag "B" = associated method blank contamination; “J” VAL Flag (final Q) = estimated; "U" Val flag = undetected; “UJ” VAL Flag (final Q) = undetected, estimated.