TABLES

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-101			MW-102													
SAMPLE DATE	Aquifer MSC	RBC	10/1/90	10/1/93	6/9/04	10/1/90	10/1/93	12/1/98	8/1/00	9/1/01	12/10/03	6/7/04	6/15/05	8/10/06	6/7/07	6/26/08	6/11/09	6/16/10	6/15/11
VOCs																			
1,1,1-TRICHLOROETHANE	2000	320		10U	0.8U		10U		10U	10U	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U
1,1,2,2-TETRACHLOROETHANE	30	0.053		10U	1U		10U		10U	10U	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U
1,1,2-TRICHLOROETHANE	50	0.19		10U	0.8U		10U		10U	10U	0.8U	0.8U	0.8U	3U	3U	0.8UJ	0.8U	0.8 U	0.8U
1,1-DICHLOROETHANE	1100	80		10U	1U		10U		10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U
1,1-DICHLOROETHENE	70	35		10U	0.8U		10U		10U	10U	0.8U	0.8U	0.8U	2U	2U	0.8UJ	0.8U	0.8 U	0.8U
1,2-DICHLOROETHANE	50	0.12		10U	1U		10U		10U	10U	1U	1U	1U	2U	2U	1UJ	1U	1 U	1U
1,2-DICHLOROETHENE (TOTAL)	null	5.5		10U			10U		10U	10U									
1,2-DICHLOROPROPANE	50	0.16		10U	1U		10U		10U	10U	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U
2-BUTANONE	580000	700		12	3U		10U		10U	10U	3R	3U	3U	5U	5U	3UJ	3U	3 U	3U
2-HEXANONE	null	null		13	3U		10U		10U	10U	3U	3U	3U	5U	5UJ	3UJ	3U	3 U	3U
4-METHYL-2-PENTANONE	41000	630		10U	3U		10U		10U	10U	3U	3U	3U	5U	5U	3UJ	3U	3 U	3U
ACETONE	100000	550	BDL	180B	6R	BDL	6B	BDL	10U	10U	6R	6U	6UJ	5U	5U	6UJ	6U	13 J	6U
ALPHA METHYL STYRENE	null	43		BDL			BDL	BDL	10U	10U									
BENZENE	500	0.34	BDL	57	3J	BDL	10U	BDL	10U	10U	0.5U	0.5U	0.5U	1U	1U	0.5UJ	0.5U	0.5 U	0.5U
BROMODICHLOROMETHANE	100	0.17		10U	1U		10U		10U	10U	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U
BROMOFORM	10000	8.5		10U	1U		10U		10U	10U	1U	1U	1U	4U	4UJ	1UJ	1U	1 U	1U
BROMOMETHANE	1000	0.85		10U	1U		10U		10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U
CARBON DISULFIDE	4100	100		10U	1U		10U		10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U
CARBON TETRACHLORIDE	50	0.16		10U	1U		10U		10U	10U	1U	1U	1U	2U	2U	1UJ	1U	1 U	1U
CHLOROBENZENE	10000	11	BDL	10U	0.8U	BDL	10U	BDL	10U	10U	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U
CHLORODIBROMOMETHANE	10000	0.13		10U	1U		10U		10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U
CHLOROETHANE	90000	3.6		10U	1U		10U		10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U
CHLOROFORM	1000	0.15		10U	0.8U		10U	BDL	10U	10U	0.8U	0.8U	0.8U	5U	5U	0.8UJ	1J	0.8 U	0.8U
CHLOROMETHANE	300	19		10U	1U		10U		10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U
CIS-1,2-DICHLOROETHENE	700	6.1			0.8U						0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U
CIS-1,3-DICHLOROPROPENE	null	0.44		10U	1U		10U		10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U
ETHYLBENZENE	70000	130		10U	2J		10U	BDL	10U	10U	0.8U	0.8U	0.8U	4U	4U	0.8UJ	0.8U	0.8 U	0.8U
ISOPROPYLBENZENE	50000	66	260	48J	100	4B	24B	BDL	10U	10U	1U	1U	1U	5U	5U	1UJ	1U	2 J	5
METHYL ACETATE	null	null							10U	10U									
METHYL TERT-BUTYL ETHER	200	2.6			0.6J				10U	10U	0.5U	0.5U	0.5U			0.5UJ	0.5U	0.5 U	0.5U
METHYLCYCLOHEXANE	null	630							10U	10U								NT	
METHYLENE CHLORIDE	500	4.1			2U						2U	2U	2U	3U	3U	2UJ	2U	2 U	2U
STYRENE	10000	160	BDL	10U	1U	BDL	10U	BDL	10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U
TERT-BUTYL ALCOHOL	null	null			10U						10U	10U	10U			10UJ	10U	10 U	10U
TETRACHLOROETHENE	50	0.1		10U	0.8U		10U		10U	10U	0.8U	0.8U	0.8U	1U	1U	0.8UJ	0.8U	0.8 U	0.8U
TOLUENE	100000	75	BDL	7B	6	BDL	10U	BDL	10U	10U	0.7U	0.7U	0.7U	5U	5U	0.7UJ	0.70U	0.7 U	0.7U
TRANS-1,2-DICHLOROETHENE	1000	12			0.8U						0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U
TRANS-1,3-DICHLOROPROPENE	null			10U	1U		10U		10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U
TRICHLOROETHENE	50	0.026		10U	1U		10U		10U	10U	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U
TRICHLOROFLUOROMETHANE	200000	130			89						2U	2U	2U			2UJ	2U	2 U	2U
VINYL CHLORIDE	20	0.015		10U	1U		10U		10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U
XYLENES, TOTAL	180000	21	BDL	10U	7	BDL	10U	BDL	10U	10U	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U

0.39
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Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

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Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-101			MW-102													
SAMPLE DATE	Aquifer MSC	RBC	10/1/90	10/1/93	6/9/04	10/1/90	10/1/93	12/1/98	8/1/00	9/1/01	12/10/03	6/7/04	6/15/05	8/10/06	6/7/07	6/26/08	6/11/09	6/16/10	6/15/11
SVOCs	Aquifers																		
1,1'-BIPHENYL	null	30							10U	10U									
1,2,4-TRICHLOROBENZENE	44000	0.72		10U	1U		10U		10U	10U	1U	1U	1U	1U		1U	1U	1 U	1U
1,2-DICHLOROBENZENE	60000	27		10U	1U		10U		10U	10U	1U	1U	1U	10U		1U	1U	1 U	1U
1,3-DICHLOROBENZENE	60000	18		10U	1U		10U		10U	10U	1U	1U	1U	10U		1U	1U	1 U	1U
1,4-DICHLOROBENZENE	7500	0.47		10U	1U		10U		10U	10U	1U	1U	1U	10U		1U	1U	1 U	1U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26		10U	1U		10U		10U	10U	1U	1U	1U	10U		1U	1U	1 U	1U
2,4,5-TRICHLOROPHENOL	1000000	370		25U	1U		25U		25U	25U	1U	1U	1U	10U		1U	1U		1UR
2,4,6-TRICHLOROPHENOL	31000	6.1		10U	1U		10U		10U	10U	1U	1U	1U	10U		1U	1U		1UR
2,4-DICHLOROPHENOL	20000	11		10U	1U		10U		10U	10U	1U	1U	1U	10U		1U	1U		1UR
2,4-DIMETHYLPHENOL	2000000	73	BDL	10U	1U	BDL	10U	BDL	10U	10U	1U	1U	3U	10U		3U	3U		3UR
2,4-DINITROPHENOL	410	7.3		25U	20U		25UJ		25U	25U	20U	20U	20U	30U		22U	21U		11UR
2,4-DINITROTOLUENE	8400	7.3		10U	1U		10U		10U	10U	1U	1U	1U	2U		1U	1U	1 U	1U
2,6-DINITROTOLUENE	100000	3.7		10U	1U		10U		10U	10U	1U	1U	1U	2U		1U	1U	1 U	1U
2-CHLORONAPHTHALENE	8200	49		10U	1U		10U		10U	10U	1U	1U	1U	10U		2U	2U	2 U	2U
2-CHLOROPHENOL	40	3		10U	1U		10U		10U	10U	1U	1U	1U	10U		1U	1U		1UR
2-METHYLNAPHTHALENE	2000	2.4	BDL	10U	2J	BDL	10U	BDL	10U	10U	1U	1U	1U	10U		1U	1U	1 U	1U
2-METHYLPHENOL	510000	180	BDL	10U	1U	BDL	10U	BDL	10U	10U	1U	1U	1U	10U		1U	1U		1UR
2-NAPHTHYLAMINE	null	null							10U	10U									
2-NITROANILINE	5.8	11		25U	1U		25U		25U	25U	1U	1U	1U	20U		1U	1U	1 U	1U
2-NITROPHENOL	820000	null		10U	1U		10U		10U	10U	1U	1U	1U	10U		1U	2J		1UR
3,3'-DICHLOROBENZIDINE	3100	0.15		10U	1U		10U		10U	10U	1U	1U	2U	20U		2U	2U	2 U	2U
3-NITROANILINE	5.8	1.1		25U	1U		25U		25U	25U	1U	1U	1U	20U		1U	1U	1 U	1U
4,6-DINITRO-2-METHYLPHENOL	null	0.37		25U	5U		25U		25U	25U	5U	5U	5U	30U		6U	5U		5UR
4-BROMOPHENYL PHENYL ETHER	null	null		10U	1U		10U		10U	10U	1U	1U	1U	10U		1U	1U	1 U	1U
4-CHLORO-3-METHYLPHENOL	510	null		10U	1U		10U		10U	10U	1U	1U	1U	10U		1U	1U		1U
4-CHLOROANILINE	410	15		10U	1U		10U	BDL	10U	10U	1U	1U	1U	10U		1U	1U	1 U	1U
4-CHLOROPHENYL PHENYL ETHER	null	null		10U	1U		10U		10U	10U	1U	1U	1U	10U		2U	2U	2 U	2U
4-METHYLPHENOL	510000	18	BDL	10U	2U	BDL	10U	BDL	10U	10U	2U	2U	2U	10U		2U	2U		2UR
4-NITROANILINE	5.8	3.3		25U	1U		25U		25U	25U	1U	1U	1U	20U		1U	1U	1 U	1U
4-NITROPHENOL	60000	null		25U	10U		25U		25U	25U	10U	10U	10U	30U		11U	11U		11UR
ACENAPHTHENE	3800	37	13	28	1J	BDL	10U	BDL	10U	10U	1U	1U	1U	10U		1U	1U	1 U	1U
ACENAPHTHYLENE	16000	null		10U	1U		10U	BDL	10U	10U	1U	1U	1U	10U		1U	1U	1 U	1U
ACETOPHENONE	null	61							10U	10U									
ALPHA-NAPHTHYLAMINE	null	null							10U	10U									
ANTHRACENE	66	180		10U	1U		10U	BDL	10U	10U	1U	1U	1U	10U		1U	1U	1 U	1U
BENZALDEHYDE	null	370							10U	10U									
BENZO(A)ANTHRACENE	11	0.092		10U	1U		10U	BDL	10U	10U	1U	1U	1U	1U		1U	1U	1 U	1U
BENZO(A)PYRENE	3.8	0.0092		10U	1U		10U	BDL	10U	10U	1U	1U	1U	1U		1U	1U	1 U	1U
BENZO(B)FLUORANTHENE	1.2	0.092		10U	1U		10U	BDL	10U	10U	1U	1U	1U	1U		1U	1U	1 U	1U
BENZO(G,H,I)PERYLENE	0.26	null		10U	1U		10U	BDL	10U	10U	1U	1U	1U	10U		1U	1U	1 U	1U
BENZO(K)FLUORANTHENE	0.55	0.92		10U	1U		10U	BDL	10U	10U	1U	1U	1U	1U		1U	1U	1 U	1U
BENZOIC ACID	null	15000	BDL			BDL			10U	10U									

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Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-101			MW-102													
SAMPLE DATE	Aquifer MSC	RBC	10/1/90	10/1/93	6/9/04	10/1/90	10/1/93	12/1/98	8/1/00	9/1/01	12/10/03	6/7/04	6/15/05	8/10/06	6/7/07	6/26/08	6/11/09	6/16/10	6/15/11
SVOCs (cont.)																			
BIS(2-CHLOROETHOXY)METHANE	null	null		10U	1U		10U	BDL	10U	10U	1U	1U	1U	10U		1U	1U	1 U	1U
BIS(2-CHLOROETHYL)ETHER	55	96		10U	1U		10U	BDL	10U	10U	1U	1U	1U	1U		1U	1U	1 U	1U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8		10U	2J		10U	2J	10U	1J	4J	2U	2U	10U		3J	6*	3 J	2U
BUTYLBENZYL PHTHALATE	2700	730		10U	2U		10U		10U	10U	2U	2U	2U	10U		2U	2U	2 U	2U
CAPROLACTAM	null	null							0.3J	10U							1U		
CARBAZOLE	1200	3.3		10U	1J		10U	BDL	10U	10U	1U	1U	1U	10U		1U		1 U	1U
CHRYSENE	1.9	9.2		10U	1U		10U	BDL	10U	10U	1U	1U	1U	10U		1U	1U	1 U	1U
DI-N-BUTYL PHTHALATE	400000	370		10U	2U		10U	BDL	10U	10U	2U	2U	2U	10U		2U	2U	2 U	2U
DI-N-OCTYL PHTHALATE	3000	150		10U	2U		10U		10U	10U	2U	2U	2U	10U		2U	2U	2 U	2U
DIBENZIOTHIOPHENE	null	null							10U	10U									
DIBENZO(A,H)ANTHRACENE	0.6	92		10U	1U		10U	BDL	10U	10U	1U	1U	1U	1U		1U	1U	1 U	1U
DIBENZOFURAN	null	1.2	7J	25	1J	BDL	10U	BDL	10U	10U	1U	1U	1U	10U		1U	1U	1 U	1U
DIETHYL PHTHALATE	1100000	2900		10U	2U		10U	BDL	10U	10U	2U	2U	2U	10U		2U	2U	2 U	2U
DIMETHYL PHTHALATE	null	37000		10U	2U		10U	BDL	10U	10U	2U	2U	2U	10U		2U	2U	2 U	2U
DIPHENYLETHER	null	null							10U	10U									
FLUORANTHENE	260	150		10U	1U		10U	BDL	10U	10U	1U	1U	1U	10U		1U	1U	1 U	1U
FLUORENE	1900	24		21	2J		10U	BDL	10U	10U	1U	1U	1U	10U		1U	1U	1 U	1U
HEXACHLOROBENZENE	6	0.042		10U	1U		10U		10U	10U	1U	1U	1U	1U		1U	1U	1 U	1U
HEXACHLOROBUTADIENE	1000	0.73		10U	1U		10U		10U	10U	1U	1U	1U	2U		1U	1U	1 U	1U
HEXACHLOROCYCLOPENTADIENE	1800	22		10U	5U		10U		10U	10U	5U	5U	5U	10U		6U	5U	5 U	5U
HEXACHLOROETHANE	100	3.65		10U	1U		10U		10U	10U	1U	1U	1U	1U		1U	1U	1 U	1U
HEXANOIC ACID	null	null							10U	10U									
INDENO(1,2,3-CD)PYRENE	62	0.092		10U	1U		10U	BDL	10U	10U	1U	1U	1U	1U		1U	1U	1 U	1U
ISOPHORONE	100000	70		10U	1U		10U		10U	10U	1U	1U	1U	10U		1U	1U	1 U	1U
N-EIOCOSANE	null	null							10U	10U									
N-HEXADACANE	null	null							10U	10U									
N-NITROSO-DI-N-PROPYLAMINE	370	96		10U	1U		10U		10U	10U	1U	1U	1U	1U		1U	1U	1 U	1U
N-NITROSODIPHENYLAMINE	35000	14		10U	2U		10U		10U		2U	2U	2U	10U		2U	2U	2 U	2U
N-TETRACDECANE	null	null							10U	10U									
N-TETRACOSANE	null	null							10U	10U									
NAPHTHALENE	30000	0.65	33	3J	9J	BDL	10U	BDL	0.1J	10U	1U	1U	1U	10U		3J	1J	1 U	2J
NITROBENZENE	51000	0.35		10U	1U		10U	BDL	10U	10U	1U	1U	1U	1U		1U	1U	1 U	1U
P-ISOPROPYLTOLUENE	null	null							10U	10U									
PENTACHLOROPHENOL	1000	0.56		25U	3U		25U		25U	25U	3U	3U	3U	30U		3U	3U		3UR
PHENANTHRENE	1100	null		10U	1U		10U	BDL	10U	10U	1U	1U	1U	10U		1U	1U	1 U	1U
PHENOL	400000	1100	BDL	9400	1U	BDL	10U	BDL	0.2B	10U	1U	1U	1U	10U		1U	3J		1UR
PYRENE	130	18		10U	1U		10U	BDL	10U	10U	1U	1U	1U	10U		1U	1U	1 U	1U
PYRIDINE	null	3.7							10U	10U									
THIANAPHTHENE	null	null							10U	10U									

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Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-102	
SAMPLE DATE	Aquifer MSC	RBC	6/14/12	6/5/13
VOCs				
1,1,1-TRICHLOROETHANE	2000	320	1.0U	1.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	1.0U	1.0U
1,1,2-TRICHLOROETHANE	50	0.19	1.0U	1.0U
1,1-DICHLOROETHANE	1100	80	1.0U	1.0U
1,1-DICHLOROETHENE	70	35	1.0U	1.0U
1,2-DICHLOROETHANE	50	0.12	1.0U	1.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5		
1,2-DICHLOROPROPANE	50	0.16	1.0U	1.0U
2-BUTANONE	580000	700	10U	10U
2-HEXANONE	null	null	5.0U	5.0U
4-METHYL-2-PENTANONE	41000	630	5.0U	5.0U
ACETONE	100000	550	10U	10U
ALPHA METHYL STYRENE	null	43		
BENZENE	500	0.34	1.0U	1.0U
BROMODICHLOROMETHANE	100	0.17	1.0U	1.0U
BROMOFORM	10000	8.5	4.0U	4.0U
BROMOMETHANE	1000	0.85	2.0U	2.0U
CARBON DISULFIDE	4100	100	2.0U	2.0U
CARBON TETRACHLORIDE	50	0.16	1.0U	1.0U
CHLOROBENZENE	10000	11	1.0U	1.0U
CHLORODIBROMOMETHANE	10000	0.13		1.0U
CHLOROETHANE	90000	3.6	1.0U	1.0U
CHLOROFORM	1000	0.15	0.57J	1.0U
CHLOROMETHANE	300	19	1.0U	1.0U
CIS-1,2-DICHLOROETHENE	700	6.1	1.0U	1.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	1.0U	1.0U
ETHYLBENZENE	70000	130	1.0U	1.0U
ISOPROPYLBENZENE	50000	66	2.0U	2.0U
METHYL ACETATE	null	null	5.0U	5.0U
METHYL TERT-BUTYL ETHER	200	2.6	1.0U	1.0U
METHYLCYCLOHEXANE	null	630	5.0U	5.0U
METHYLENE CHLORIDE	500	4.1	2.0U	2.0U
STYRENE	10000	160	5.0U	5.0U
TERT-BUTYL ALCOHOL	null	null		
TETRACHLOROETHENE	50	0.1	1.0U	1.0U
TOLUENE	100000	75	1.0U	1.0U
TRANS-1,2-DICHLOROETHENE	1000	12	1.0U	1.0U
TRANS-1,3-DICHLOROPROPENE	null		1.0U	1.0U
TRICHLOROETHENE	50	0.026	1.0U	1.0U
TRICHLOROFLUOROMETHANE	200000	130	5.0U	5.0U
VINYL CHLORIDE	20	0.015	1.0U	1.0U
XYLENES, TOTAL	180000	21	1.0U	1.0U

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-102	
SAMPLE DATE	Aquifer MSC	RBC	6/14/12	6/5/13
SVOCs	Aquifers			
1,1'-BIPHENYL	null	30	1.0U	1.0U
1,2,4-TRICHLOROBENZENE	44000	0.72	5.0U	5.0U
1,2-DICHLOROBENZENE	60000	27	1.0U	1.0U
1,3-DICHLOROBENZENE	60000	18	1.0U	1.0U
1,4-DICHLOROBENZENE	7500	0.47	1.0U	1.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	2.0U	2.1U
2,4,5-TRICHLOROPHENOL	1000000	370	5.0U	5.2U
2,4,6-TRICHLOROPHENOL	31000	6.1	5.0U	5.2U
2,4-DICHLOROPHENOL	20000	11	5.0U	5.2U
2,4-DIMETHYLPHENOL	2000000	73	5.0U	5.2U
2,4-DINITROPHENOL	410	7.3	20U	21U
2,4-DINITROTOLUENE	8400	7.3	2.0U	2.1U
2,6-DINITROTOLUENE	100000	3.7	2.0U	2.1U
2-CHLORONAPHTHALENE	8200	49	2.0U	2.1U
2-CHLOROPHENOL	40	3	5.0U	5.2U
2-METHYLNAPHTHALENE	2000	2.4	1.0U	1.0U
2-METHYLPHENOL	510000	180	2.0U	2.1U
2-NAPHTHYLAMINE	null	null		
2-NITROANILINE	5.8	11	5.0U	5.2U
2-NITROPHENOL	820000	null	5.0U	5.2U
3,3'-DICHLOROBENZIDINE	3100	0.15	5.0U	5.2U
3-NITROANILINE	5.8	1.1	5.0U	5.2U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	20U	21U
4-BROMOPHENYL PHENYL ETHER	null	null	2.0U	2.1U
4-CHLORO-3-METHYLPHENOL	510	null	5.0U	5.2U
4-CHLOROANILINE	410	15	5.0U	5.2U
4-CHLOROPHENYL PHENYL ETHER	null	null	2.0U	2.1U
4-METHYLPHENOL	510000	18		
4-NITROANILINE	5.8	3.3	5.0U	5.2U
4-NITROPHENOL	60000	null	10U	10U
ACENAPHTHENE	3800	37	1.0U	1.0U
ACENAPHTHYLENE	16000	null	1.0U	1.0U
ACETOPHENONE	null	61	2.0U	2.1U
ALPHA-NAPHTHYLAMINE	null	null		
ANTHRACENE	66	180	1.0U	1.0U
BENZALDEHYDE	null	370	5.0U	5.2U
BENZO(A)ANTHRACENE	11	0.092	1.0U	1.0U
BENZO(A)PYRENE	3.8	0.0092	1.0U	1.0U
BENZO(B)FLUORANTHENE	1.2	0.092	1.0U	1.0U
BENZO(G,H,I)PERYLENE	0.26	null	1.0U	1.0U
BENZO(K)FLUORANTHENE	0.55	0.92	1.0U	1.0U
BENZOIC ACID	null	15000		

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-102	
SAMPLE DATE	Aquifer MSC	RBC	6/14/12	6/5/13
SVOCs (cont.)				
BIS(2-CHLOROETHOXY)METHANE	null	null	2.0U	2.1U
BIS(2-CHLOROETHYL)ETHER	55	96	2.0U	2.1U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	2.0U	2.1U
BUTYLBENZYL PHTHALATE	2700	730	2.0U	2.1U
CAPROLACTAM	null	null	2.0U	2.1U
CARBAZOLE	1200	3.3	1.0U	1.0U
CHRYSENE	1.9	9.2	1.0U	1.0U
DI-N-BUTYL PHTHALATE	400000	370	2.0U	2.1U
DI-N-OCTYL PHTHALATE	3000	150	2.0U	2.1U
DIBENZIOTHIOPHENE	null	null		
DIBENZO(A,H)ANTHRACENE	0.6	92	1.0U	1.0U
DIBENZOFURAN	null	1.2	5.0U	5.2U
DIETHYL PHTHALATE	1100000	2900	2.0U	1.9J
DIMETHYL PHTHALATE	null	37000	2.0U	1.1J
DIPHENYLETHER	null	null		
FLUORANTHENE	260	150	1.0U	1.0U
FLUORENE	1900	24	1.0U	1.0U
HEXACHLOROBENZENE	6	0.042	1.0U	1.0U
HEXACHLOROBUTADIENE	1000	0.73	1.0U	1.0U
HEXACHLOROCYCLOPENTADIENE	1800	22	10U	10U
HEXACHLOROETHANE	100	3.65	2.0U	2.1U
HEXANOIC ACID	null	null		
INDENO(1,2,3-CD)PYRENE	62	0.092	1.0U	1.0U
ISOPHORONE	100000	70	2.0U	2.1U
N-EIOCOSANE	null	null		
N-HEXADACANE	null	null		
N-NITROSO-DI-N-PROPYLAMINE	370	96	2.0U	2.1U
N-NITROSODIPHENYLAMINE	35000	14	5.0U	5.2U
N-TETRACDECANE	null	null		
N-TETRACOSANE	null	null		
NAPHTHALENE	30000	0.65	1.0U	1.0U
NITROBENZENE	51000	0.35	2.0U	2.1U
P-ISOPROPYLTOLUENE	null	null		
PENTACHLOROPHENOL	1000	0.56	10U	10U
PHENANTHRENE	1100	null	1.0U	1.0U
PHENOL	400000	1100	2.0U	2.1U
PYRENE	130	18	1.0U	1.0U
PYRIDINE	null	3.7		
THIANAPHTHENE	null	null		

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-103						MW-104								
SAMPLE DATE	Aquifer MSC	RBC	10/1/90	10/1/93	6/1/96	12/1/98	8/1/00	9/1/01	10/1/93	6/1/96	12/1/98	3/1/00	8/1/00	9/1/01	12/10/03	6/9/04	6/14/05
VOCs																	
1,1,1-TRICHLOROETHANE	2000	320		10000U	BDL		100000U	100000U	10U	BDL		10U	10U	10U	0.8U	0.8U	0.8U
1,1,2,2-TETRACHLOROETHANE	30	0.053		10000U			100000U	100000U	10U			10U	10U	10U	1U	1U	1U
1,1,2-TRICHLOROETHANE	50	0.19		10000U			100000U	100000U	10U			10U	10U	10U	0.8U	0.8U	0.8U
1,1-DICHLOROETHANE	1100	80		10000U			100000U	100000U	10U			10U	10U	10U	1U	1U	1U
1,1-DICHLOROETHENE	70	35		10000U	BDL		100000U	100000U	10U	BDL		10U	10U	10U	0.8U	0.8U	0.8U
1,2-DICHLOROETHANE	50	0.12		10000U	BDL		100000U	100000U	10U	BDL		10U	10U	10U	1U	1U	1U
1,2-DICHLOROETHENE (TOTAL)	null	5.5		10000U	BDL		100000U	100000U	10U	BDL		10U	10U	10U			
1,2-DICHLOROPROPANE	50	0.16		10000U			100000U	100000U	10U			10U	10U	10U	1U	1U	1U
2-BUTANONE	580000	700		10000U			100000U	100000U	10U			10U	10U	10U	3U	3U	3U
2-HEXANONE	null	null		10000U			100000U	100000U	10U			10U	10U	10U	3U	3U	3U
4-METHYL-2-PENTANONE	41000	630		10000U			100000U	100000U	10U			10U	10U	10U	3U	3U	3U
ACETONE	100000	550	**150000J**	1800000B	**420000J**	1100000B	**160000**	**1300000J**	15B	BDL	9B	10U	13	10U	10J	6R	14U
ALPHA METHYL STYRENE	null	43		BDL		BDL	100000U	100000U	BDL		BDL	10U	10U	10U			
BENZENE	500	0.34	**57000J**	**72000**	**50000**	**80000**	**52000 J**	**48000J**	10U	BDL	BDL	10U	10U	10U	0.5U	0.5U	0.5U
BROMODICHLOROMETHANE	100	0.17		10000U			100000U	100000U	10U			10U	10U	10U	1U	1U	1U
BROMOFORM	10000	8.5		10000U			100000U	100000U	10U			10U	10U	10U	1U	1U	1U
BROMOMETHANE	1000	0.85		10000U			100000U	100000U	10U			10U	10U	10U	1U	1U	1U
CARBON DISULFIDE	4100	100		10000U			100000U	100000U	10U			10U	10U	10U	1U	1U	1U
CARBON TETRACHLORIDE	50	0.16		10000U			100000U	100000U	10U			10U	10U	10U	1U	1U	1U
CHLOROBENZENE	10000	11	860J	10000U	BDL	BDL	100000U	100000U	10U	BDL	BDL	10U	10U	10U	0.8U	0.8U	0.8U
CHLORODIBROMOMETHANE	10000	0.13		10000U			100000U	100000U	10U			10U	10U	10U	1U	1U	1U
CHLOROETHANE	90000	3.6		10000U			100000U	100000U	10U			10U	10U	10U	1U	1U	1U
CHLOROFORM	1000	0.15		10000U	BDL	BDL	100000U	100000U	10U	BDL	BDL	10U	10U	10U	0.8U	0.8U	0.8U
CHLOROMETHANE	300	19		10000U			100000U	100000U	10U			10U	10U	10U	1U	1U	1U
CIS-1,2-DICHLOROETHENE	700	6.1													0.8U	0.8U	0.8U
CIS-1,3-DICHLOROPROPENE	null	0.44		10000U			100000U	100000U	10U			10U	10U	10U	1U	1U	1U
ETHYLBENZENE	70000	130		10000U	620J	BDL	100000U	100000U	10U	BDL	BDL	10U	10U	10U	0.8U	0.8U	0.8U
ISOPROPYLBENZENE	50000	66	1000	BDL	BDL	BDL	100000U	100000U	BDL	BDL	BDL	10U	10U	10U	1U	4J	1U
METHYL ACETATE	null	null					100000U	100000U				10U	11	10U			
METHYL TERT-BUTYL ETHER	200	2.6					100000U	100000U				10U	10U	10U	0.5U	0.5U	0.5U
METHYLCYCLOHEXANE	null	630					100000U	100000U				10U	10U	10U			
METHYLENE CHLORIDE	500	4.1													2U	2U	2U
STYRENE	10000	160	580J	10000U	BDL	BDL	100000U	100000U	10U	BDL	BDL	10U	10U	10U	1U	1U	1U
TERT-BUTYL ALCOHOL	null	null													10U	10U	10U
TETRACHLOROETHENE	50	0.1		10000U			100000U	100000U	10U			10U	10U	10U	0.8U	0.8U	0.8U
TOLUENE	100000	75	22500J	43000	20000	23000	18000J	17000J	5J	BDL	BDL	10U	10U	10U	0.7U	0.7U	0.7U
TRANS-1,2-DICHLOROETHENE	1000	12													0.8U	0.8U	0.8U
TRANS-1,3-DICHLOROPROPENE	null			10000U			100000U	100000U	10U			10U	10U	10U	1U	1U	1U
TRICHLOROETHENE	50	0.026		10000U	BDL		100000U	100000U	10U	BDL		10U	10U	10U	1U	1U	1U
TRICHLOROFLUOROMETHANE	200000	130													2U	2U	2U
VINYL CHLORIDE	20	0.015		10000U			100000U	100000U	10U			10U	10U	10U	1U	1U	1U
XYLENES, TOTAL	180000	21	1600	2700J	4200	5300	100000U	100000U	10U	BDL	BDL	10U	10U	10U	0.8U	0.8U	0.8U

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-103						MW-104								
SAMPLE DATE	Aquifer MSC	RBC	10/1/90	10/1/93	6/1/96	12/1/98	8/1/00	9/1/01	10/1/93	6/1/96	12/1/98	3/1/00	8/1/00	9/1/01	12/10/03	6/9/04	6/14/05
SVOCs	Aquifers																
1,1'-BIPHENYL	null	30					50000U	20000U				11U	10U	10U			
1,2,4-TRICHLOROBENZENE	44000	0.72		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
1,2-DICHLOROBENZENE	60000	27		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
1,3-DICHLOROBENZENE	60000	18		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
1,4-DICHLOROBENZENE	7500	0.47		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
2,4,5-TRICHLOROPHENOL	1000000	370		5000U			120000U	50000U	25U			28U	25U	25U	1U	1U	1U
2,4,6-TRICHLOROPHENOL	31000	6.1		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
2,4-DICHLOROPHENOL	20000	11		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
2,4-DIMETHYLPHENOL	2000000	73	4700	1300J	1200	3500J	1700J	2000J	10U	BDL	BDL	11U	0.2J	10U	1U	1U	3U
2,4-DINITROPHENOL	410	7.3		5000U			120000U	50000U	25U			28U	25U	25U	19U	20U	20U
2,4-DINITROTOLUENE	8400	7.3		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
2,6-DINITROTOLUENE	100000	3.7		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
2-CHLORONAPHTHALENE	8200	49		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
2-CHLOROPHENOL	40	3		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
2-METHYLNAPHTHALENE	2000	2.4	1500	2000U	1200	**4900**	**2200J**	**3000J**	10U	BDL	BDL	11U	10U	10U	1U	1U	1U
2-METHYLPHENOL	510000	180	2000	2000U	410	2100J	1200J	1600J	10U	BDL	BDL	11U	10U	10U	1U	1U	1U
2-NAPHTHYLAMINE	null	null					50000U	20000U				11U	10U	10U			
2-NITROANILINE	5.8	11		5000U			120000U	50000U	25U			28U	25U	25U	1U	1U	1U
2-NITROPHENOL	820000	null		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
3,3'-DICHLOROBENZIDINE	3100	0.15		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	2U
3-NITROANILINE	5.8	1.1		5000U			120000U	50000U	25U			28U	25U	25U	1U	1U	1U
4,6-DINITRO-2-METHYLPHENOL	null	0.37		5000U			120000U	50000U	25U			28U	25U	25U	5U	5U	5U
4-BROMOPHENYL PHENYL ETHER	null	null		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
4-CHLORO-3-METHYLPHENOL	510	null		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
4-CHLOROANILINE	410	15		2000U		BDL	50000U	20000U	10U		BDL	11U	10U	10U	1U	1U	1U
4-CHLOROPHENYL PHENYL ETHER	null	null		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
4-METHYLPHENOL	510000	18	3600	880J	BDL	3500J	2200J	3500J	10U	BDL	BDL	4J	0.1J	10U	2U	2U	2U
4-NITROANILINE	5.8	3.3		5000U			120000U	50000U	25U			28U	25U	25U	1U	1U	1U
4-NITROPHENOL	60000	null		5000U			120000U	50000U	25U			28U	25U	25U	10U	10U	10U
ACENAPHTHENE	3800	37	BDL	2000U	120J	1100J	50000U	580J	10U	BDL	2J	11U	10U	10U	1U	1U	1U
ACENAPHTHYLENE	16000	null	BDL	2000U		BDL	50000U	20000U	10U		BDL	11U	10U	10U	1U	1U	1U
ACETOPHENONE	null	61					50000U	760J				11U	10U	10U			
ALPHA-NAPHTHYLAMINE	null	null					50000U	20000U				11U	10U	10U			
ANTHRACENE	66	180		2000U	BDL	**1100J**	50000U	**390J**	10U	BDL	1J	11U	10U	10U	1U	1U	1U
BENZALDEHYDE	null	370					50000U	20000U				0.2J	0.2J	0.2J			
BENZO(A)ANTHRACENE	11	0.092		2000U		BDL	50000U	20000U	10U		1J	11U	10U	10U	1U	1U	1U
BENZO(A)PYRENE	3.8	0.0092		2000U		BDL	50000U	20000U	10U		1J	11U	10U	10U	1U	1U	1U
BENZO(B)FLUORANTHENE	1.2	0.092		2000U		BDL	50000U	20000U			1J	11U	10U	10U	1U	1U	1U
BENZO(G,H,I)PERYLENE	0.26	null		2000U		BDL	50000U	20000U	10U		BDL	11U	10U	10U	1U	1U	1U
BENZO(K)FLUORANTHENE	0.55	0.92		2000U		BDL	50000U	20000U	10U		**2J**	11U	10U	10U	1U	1U	1U
BENZOIC ACID	null	15000	9700J		BDL		50000U	20000U		BDL		11U	10U	10U			

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-103						MW-104								
SAMPLE DATE	Aquifer MSC	RBC	10/1/90	10/1/93	6/1/96	12/1/98	8/1/00	9/1/01	10/1/93	6/1/96	12/1/98	3/1/00	8/1/00	9/1/01	12/10/03	6/9/04	6/14/05
SVOCs (cont.)																	
BIS(2-CHLOROETHOXY)METHANE	null	null		2000U		BDL	50000U	20000U	10U		BDL	11U	10U	10U	1U	1U	1U
BIS(2-CHLOROETHYL)ETHER	55	96		2000U		BDL	50000U	20000U	10U		BDL	11U	10U	10U	1U	1U	1U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8		2000U		BDL	50000U	20000U	10U		8J	0.5B	2B	10U	2U	2J	2U
BUTYLBENZYL PHTHALATE	2700	730		2000U			50000U	20000U	10U			11U	10U	10U	2U	2U	2U
CAPROLACTAM	null	null					50000U	20000U				11J	5J	2J			
CARBAZOLE	1200	3.3		2000U	150J	BDL	50000U	400J	10U	BDL	BDL	11U	10U	10U	1U	1U	1U
CHRYSENE	1.9	9.2		2000U		BDL	50000U	20000U	10U		1J	11U	10U	10U	1U	1U	1U
DI-N-BUTYL PHTHALATE	400000	370		2000U		BDL	50000U	20000U	10U		BDL	11U	10U	10U	2U	2U	2U
DI-N-OCTYL PHTHALATE	3000	150		2000U			50000U	20000U	10U			11U	10U	10U	2U	2U	2U
DIBENZIOTHIOPHENE	null	null					50000U	20000U				11U	10U	10U			
DIBENZO(A,H)ANTHRACENE	0.6	92		2000U		BDL	50000U	20000U	10U		BDL	11U	10U	10U	1U	1U	1U
DIBENZOFURAN	null	1.2	BDL	2000U	130J	BDL	510J	780J	10U	BDL	2J	11U	10U	10U	1U	1U	1U
DIETHYL PHTHALATE	1100000	2900		2000U		BDL	50000U	20000U	10U		BDL	11U	10U	10U	2U	2U	2U
DIMETHYL PHTHALATE	null	37000		2000U	50J	BDL	50000U	20000U	10U	BDL	BDL	11U	10U	10U	2U	2U	2U
DIPHENYLETHER	null	null					50000U	20000U				11U	10U	10U			
FLUORANTHENE	260	150		2000U	BDL	**630J**	50000U	**330J**	10U	BDL	3J	0.1J	0.2J	10U	1J	1J	1U
FLUORENE	1900	24		2000U	94J	1300JB	50000U	770J	10U	BDL	2JB	11U	10U	10U	1U	1U	1U
HEXACHLOROBENZENE	6	0.042		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
HEXACHLOROBUTADIENE	1000	0.73		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
HEXACHLOROCYCLOPENTADIENE	1800	22		2000U			50000U	20000U	10U			11U	10U	10U	5U	5U	5U
HEXACHLOROETHANE	100	3.65		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
HEXANOIC ACID	null	null					50000U	20000U				11U	10U	10U			
INDENO(1,2,3-CD)PYRENE	62	0.092		2000U		BDL	50000U	20000U	10U		BDL	11U	10U	10U	1U	1U	1U
ISOPHORONE	100000	70		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
N-EIOCOSANE	null	null					50000U	20000U				11U	10U	10U			
N-HEXADACANE	null	null					50000U	20000U				11U	10U	10U			
N-NITROSO-DI-N-PROPYLAMINE	370	96		2000U			50000U	20000U	10U			11U	10U	10U	1U	1U	1U
N-NITROSODIPHENYLAMINE	35000	14		2000U			50000U	20000U	10U			11U	10U	10U	2U	2U	2U
N-TETRACDECANE	null	null					50000U	20000U				11U	10U	10U			
N-TETRACOSANE	null	null					50000U	20000U				11U	10U	10U			
NAPHTHALENE	30000	0.65	18000	4400	14000J	**38000**	24000J	24000	10U	BDL	22	11U	10U	10U	1U	1U	1U
NITROBENZENE	51000	0.35		2000U		BDL	50000U	20000U	10U		BDL	11U	10U	10U	1U	1U	1U
P-ISOPROPYLTOLUENE	null	null					50000U	20000U				11U	10U	10U			
PENTACHLOROPHENOL	1000	0.56		5000U			120000U	50000U	25U			28U	25U	25U	3U	3U	3U
PHENANTHRENE	1100	null		2000U	89J	2300J	620J	1100J	10U	BDL	5J	0.2J	0.1J	10U	1J	1J	1U
PHENOL	400000	1100	59000	210000	340000J	**740000**	180000	98000	10U	BDL	170	11U	10U	10U	1U	1U	1U
PYRENE	130	18		2000U	BDL	**450J**	50000U	20000U	10U	BDL	3J	0.1J	0.2J	10U	1J	1J	1U
PYRIDINE	null	3.7					50000U	20000U				11U	10U	10U			
THIANAPHTHENE	null	null					50000U	20000U				11U	10U	10U			

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-104							
SAMPLE DATE	Aquifer MSC	RBC	8/10/06	6/8/07	6/26/08	6/10/09	6/16/10	6/16/11	6/13/12	6/5/13
VOCs										
1,1,1-TRICHLOROETHANE	2000	320	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	2.0U	1.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	1U	1U	1UJ	1U	1 U	1U	2.0U	1.0U
1,1,2-TRICHLOROETHANE	50	0.19	3U	3U	0.8UJ	0.8U	0.8 U	0.8U	2.0U	1.0U
1,1-DICHLOROETHANE	1100	80	5U	5U	1UJ	1U	1 U	1U	2.0U	1.0U
1,1-DICHLOROETHENE	70	35	2U	2U	0.8UJ	0.8U	0.8 U	0.8U	2.0U	1.0U
1,2-DICHLOROETHANE	50	0.12	2U	2U	1UJ	1U	1 U	1U	2.0U	1.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5								
1,2-DICHLOROPROPANE	50	0.16	1U	1U	1UJ	1U	1 U	1U	2.0U	1.0U
2-BUTANONE	580000	700	5U	5UJ	3UJ	3U	3 U	3U	20U	10U
2-HEXANONE	null	null	5U	5UJ	3UJ	3U	3 U	3U	10U	5.0U
4-METHYL-2-PENTANONE	41000	630	5U	5UJ	3UJ	3U	3 U	3U	10U	5.0U
ACETONE	100000	550	5U	5U	13J	10J	10 J	8J	20U	10U
ALPHA METHYL STYRENE	null	43								
BENZENE	500	0.34	1U	1U	0.5UJ	0.5U	0.5 U	0.5U	2.0U	1.0U
BROMODICHLOROMETHANE	100	0.17	1U	1U	1UJ	1U	1 U	1U	2.0U	1.0U
BROMOFORM	10000	8.5	4U	4U	1UJ	1U	1 U	1U	8.0U	4.0U
BROMOMETHANE	1000	0.85	5U	5UJ	1UJ	1U	1 U	1U	4.0U	2.0U
CARBON DISULFIDE	4100	100	5U	5U	1UJ	1U	1 U	1U	0.42J	2.0U
CARBON TETRACHLORIDE	50	0.16	2U	2U	1UJ	1U	1 U	1U	2.0U	1.0U
CHLOROBENZENE	10000	11	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	2.0U	1.0U
CHLORODIBROMOMETHANE	10000	0.13	5U	5U	1UJ	1U	1 U	1U		1.0U
CHLOROETHANE	90000	3.6	5U	5UJ	1UJ	1U	1 U	1U	2.0U	1.0U
CHLOROFORM	1000	0.15	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	2.0U	1.0U
CHLOROMETHANE	300	19	5U	5U	1UJ	1U	1 U	1U	2.0U	1.0U
CIS-1,2-DICHLOROETHENE	700	6.1	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	2.0U	1.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	5U	5U	1UJ	1U	1 U	1U	2.0U	1.0U
ETHYLBENZENE	70000	130	4U	4U	0.8UJ	0.8U	0.8 U	0.8U	2.0U	1.0U
ISOPROPYLBENZENE	50000	66	23	5U	1UJ	1U	3 J	3J	4.0U	0.91J
METHYL ACETATE	null	null							10U	5.0U
METHYL TERT-BUTYL ETHER	200	2.6			0.5UJ	0.5U	0.5 U	0.5U	2.0U	1.0U
METHYLCYCLOHEXANE	null	630							10U	5.0U
METHYLENE CHLORIDE	500	4.1	3U	3U	2UJ	2U	2 U	2U	4.0U	2.0U
STYRENE	10000	160	5U	5U	1UJ	1U	1 U	1U	10U	5.0U
TERT-BUTYL ALCOHOL	null	null			10UJ	10U	11 J	10U		
TETRACHLOROETHENE	50	0.1	1U	1U	0.8UJ	0.8U	0.8 U	0.8U	2.0U	1.0U
TOLUENE	100000	75	5U	5U	0.7UJ	0.70U	0.7 U	0.7U	2.0U	1.0U
TRANS-1,2-DICHLOROETHENE	1000	12	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	2.0U	1.0U
TRANS-1,3-DICHLOROPROPENE	null		5U	5U	1UJ	1U	1 U	1U	2.0U	1.0U
TRICHLOROETHENE	50	0.026	1U	1U	1UJ	1U	1 U	1U	2.0U	1.0U
TRICHLOROFLUOROMETHANE	200000	130			2UJ	2U	2 U	2U	10U	5.0U
VINYL CHLORIDE	20	0.015	5U	5U	1UJ	1U	1 U	1U	2.0U	1.0U
XYLENES, TOTAL	180000	21	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	2.0U	1.0U

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-104							
SAMPLE DATE	Aquifer MSC	RBC	8/10/06	6/8/07	6/26/08	6/10/09	6/16/10	6/16/11	6/13/12	6/5/13
SVOCs	Aquifers									
1,1'-BIPHENYL	null	30							1.0U	1.0U
1,2,4-TRICHLOROBENZENE	44000	0.72	1U	1.10U	1U	1U	1 U	1U	10U	5.0U
1,2-DICHLOROBENZENE	60000	27	10U	11U	1U	1U	1 U	1U	2.0U	1.0U
1,3-DICHLOROBENZENE	60000	18	10U	11U	1U	1U	1 U	1U	2.0U	1.0U
1,4-DICHLOROBENZENE	7500	0.47	10U	11U	1U	1U	1 U	1U	2.0U	1.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	10U	11U	1U	1U	1 U	1U	2.0U	2.0U
2,4,5-TRICHLOROPHENOL	1000000	370	10U	11U	1U	1U	1 U	1U	5.0U	5.0U
2,4,6-TRICHLOROPHENOL	31000	6.1	10U	11UJ	1U	1U	1 U	1U	5.0U	5.0U
2,4-DICHLOROPHENOL	20000	11	10U	11U	1U	1U	1 U	1U	5.0U	5.0U
2,4-DIMETHYLPHENOL	2000000	73	10U	11U	3U	3U	3 U	3U	5.0U	5.0U
2,4-DINITROPHENOL	410	7.3	30U		19U	21U	10 U	11U	20U	20U
2,4-DINITROTOLUENE	8400	7.3	2U	2.10U	1U	1U	1 U	1U	2.0U	2.0U
2,6-DINITROTOLUENE	100000	3.7	2U	2.10U	1U	1U	1 U	1U	2.0U	2.0U
2-CHLORONAPHTHALENE	8200	49	10U	11U	2U	2U	2 U	2U	2.0U	2.0U
2-CHLOROPHENOL	40	3	10U	11U	1U	1U	1 U	1U	5.0U	5.0U
2-METHYLNAPHTHALENE	2000	2.4	10U	11U	1U	1U	1 U	1U	1.0U	1.0U
2-METHYLPHENOL	510000	180	10U	11U	1U	1U	1 U	1U	2.0U	2.0U
2-NAPHTHYLAMINE	null	null								
2-NITROANILINE	5.8	11	20U	21U	1U	1U	1 U	1U	5.0U	5.0U
2-NITROPHENOL	820000	null	10U	11U	1U	1U	1 U	1U	5.0U	5.0U
3,3'-DICHLOROBENZIDINE	3100	0.15	20U	21U	2U	2U	2 U	2U	5.0U	5.0U
3-NITROANILINE	5.8	1.1	20U	21U	1U	1U	1 U	1U	5.0U	5.0U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	30U		5U	5U	5 U	5U	20U	20U
4-BROMOPHENYL PHENYL ETHER	null	null	10U	11U	1U	1U	1 U	1U	2.0U	2.0U
4-CHLORO-3-METHYLPHENOL	510	null	10U	11U	1U	1U	1 U	1U	5.0U	5.0U
4-CHLOROANILINE	410	15	10U	11U	1U	1U	1 U	1U	5.0U	5.0U
4-CHLOROPHENYL PHENYL ETHER	null	null	10U	11U	2U	2U	2 U	2U	2.0U	2.0U
4-METHYLPHENOL	510000	18	10U	11U	2U	2U	2 U	2U		
4-NITROANILINE	5.8	3.3	20U	21U	1U	1U	1 U	1U	5.0U	5.0U
4-NITROPHENOL	60000	null	30U	32U	10U	11U	10 U	11U	10U	10U
ACENAPHTHENE	3800	37	10U	11U	1U	1U	1 U	1U	1.0U	0.41J
ACENAPHTHYLENE	16000	null	10U	11U	1U	1U	1 U	1U	1.0U	1.0U
ACETOPHENONE	null	61							2.0U	2.0U
ALPHA-NAPHTHYLAMINE	null	null								
ANTHRACENE	66	180	10U	11U	1U	1U	1 U	1U	1.0U	1.0U
BENZALDEHYDE	null	370							5.0U	5.0U
BENZO(A)ANTHRACENE	11	0.092	1U	1.10U	1U	1U	1 U	1U	1.0U	1.0U
BENZO(A)PYRENE	3.8	0.0092	1U	1.10U	1U	1U	1 U	1U	1.0U	1.0U
BENZO(B)FLUORANTHENE	1.2	0.092	1U	1.10U	1U	1U	1 U	1U	1.0U	1.0U
BENZO(G,H,I)PERYLENE	0.26	null	10U	11U	1U	1U	1 U	1U	1.0U	**0.41J**
BENZO(K)FLUORANTHENE	0.55	0.92	1U	1.10UJ	1U	1U	1 U	1U	1.0U	1.0U
BENZOIC ACID	null	15000								

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-104							
SAMPLE DATE	Aquifer MSC	RBC	8/10/06	6/8/07	6/26/08	6/10/09	6/16/10	6/16/11	6/13/12	6/5/13
SVOCs (cont.)										
BIS(2-CHLOROETHOXY)METHANE	null	null	10U	11U	1U	1U	1 U	1U	2.0U	2.0U
BIS(2-CHLOROETHYL)ETHER	55	96	1U	1.10U	1U	1U	1 U	1U	2.0U	2.0U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	10U	11U	2U	3J	2 U	2U	2.0U	2.6
BUTYLBENZYL PHTHALATE	2700	730	10U	11U	2U	2U	2 U	2U	2.0U	2.0U
CAPROLACTAM	null	null				1U			2.0U	2.0U
CARBAZOLE	1200	3.3	10U	11U	1U		1 U	1U	1.0U	1.0U
CHRYSENE	1.9	9.2	10U	11U	1U	1U	1 U	1U	1.0U	1.0U
DI-N-BUTYL PHTHALATE	400000	370	10U	11U	2U	2U	2 U	2U	2.0U	2.0U
DI-N-OCTYL PHTHALATE	3000	150	10U	11U	2U	2U	2 U	2U	2.0U	2.0U
DIBENZIOTHIOPHENE	null	null								
DIBENZO(A,H)ANTHRACENE	0.6	92	1U	1.10U	1U	1U	1 U	1U	1.0U	1.0U
DIBENZOFURAN	null	1.2	10U	11U	1U	1U	1 U	1U	5.0U	5.0U
DIETHYL PHTHALATE	1100000	2900	10U	11U	2U	2U	2 U	2U	2.0U	2.0
DIMETHYL PHTHALATE	null	37000	10U	11U	2U	2U	2 U	2U	2.0U	2.0U
DIPHENYLETHER	null	null								
FLUORANTHENE	260	150	10U	11U	1U	1U	1 U	1U	1.0U	1.0U
FLUORENE	1900	24	10U	11U	1U	1U	1 U	1U	1.0U	1.0U
HEXACHLOROBENZENE	6	0.042	1U	1.10U	1U	1U	1 U	1U	1.0U	1.0U
HEXACHLOROBUTADIENE	1000	0.73	2U	2.10U	1U	1U	1 U	1U	1.0U	1.0U
HEXACHLOROCYCLOPENTADIENE	1800	22	10U	11UJ	5U	5U	5 U	5U	10U	10U
HEXACHLOROETHANE	100	3.65	1U	1.10U	1U	1U	1 U	1U	2.0U	2.0U
HEXANOIC ACID	null	null								
INDENO(1,2,3-CD)PYRENE	62	0.092	1U	1.10U	1U	1U	1 U	1U	1.0U	1.0U
ISOPHORONE	100000	70	10U	11U	1U	1U	1 U	1U	2.0U	2.0U
N-EIOCOSANE	null	null								
N-HEXADACANE	null	null								
N-NITROSO-DI-N-PROPYLAMINE	370	96	1U	1.10U	1U	1U	1 U	1U	2.0U	2.0U
N-NITROSODIPHENYLAMINE	35000	14	10U	11U	2U	2U	2 U	2U	5.0U	5.0U
N-TETRACDECANE	null	null								
N-TETRACOSANE	null	null								
NAPHTHALENE	30000	0.65	10U	11U	1U	1U	1 U	1U	1.0U	1.0U
NITROBENZENE	51000	0.35	1U	1.10U	1U	1U	1 U	1U	2.0U	2.0U
P-ISOPROPYLTOLUENE	null	null								
PENTACHLOROPHENOL	1000	0.56	30U	32UJ	3U	3U	3 U	3U	10U	10U
PHENANTHRENE	1100	null	10U	11U	1U	1U	1 U	1U	1.0U	1.0U
PHENOL	400000	1100	10U	11U	1U	1U	1 U	1U	2.0U	2.0U
PYRENE	130	18	10U	11U	1U	1U	1 U	1U	1.0U	1.0U
PYRIDINE	null	3.7								
THIANAPHTHENE	null	null								

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-105															
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	8/1/00	9/1/01	12/10/03	6/10/04	6/14/05	8/11/06	6/6/07	6/26/08	6/12/09	6/16/10	6/15/11	6/13/12	6/5/13
VOCs																		
1,1,1-TRICHLOROETHANE	2000	320	10U	BDL		10U	10U	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	10U			10U	10U	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U
1,1,2-TRICHLOROETHANE	50	0.19	10U			10U	10U	0.8U	0.8U	0.8U	3U	3U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
1,1-DICHLOROETHANE	1100	80	10U			10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
1,1-DICHLOROETHENE	70	35	10U	BDL		10U	10U	0.8U	0.8U	0.8U	2U	2U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
1,2-DICHLOROETHANE	50	0.12	10U	BDL		10U	10U	1U	1U	1U	2U	2U	1UJ	1U	1 U	1U	1.0U	1.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	10U	BDL		10U	10U											
1,2-DICHLOROPROPANE	50	0.16	10U			10U	10U	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U
2-BUTANONE	580000	700	10U			10U	10U	3R	3U	3U	5U	5UJ	3UJ	3U	3 U	3U	10U	10U
2-HEXANONE	null	null	10U			10U	10U	3U	3U	3U	5U	5UJ	3UJ	3U	3 U	3U	5.0U	5.0U
4-METHYL-2-PENTANONE	41000	630	10U			10U	10U	3U	3U	3U	5U	5UJ	3UJ	3U	3 U	3U	5.0U	5.0U
ACETONE	100000	550	5B	BDL	BDL	10U	10U	6R	6R	6U	5U	5U	6UJ	6U	6 U	6U	10U	10U
ALPHA METHYL STYRENE	null	43	BDL		BDL	10U	10U											
BENZENE	500	0.34	10U	BDL	BDL	10U	10U	0.5U	0.5U	0.5U	1U	1U	0.5UJ	0.5U	0.5 U	0.5U	1.0U	1.0U
BROMODICHLOROMETHANE	100	0.17	10U			10U	10U	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U
BROMOFORM	10000	8.5	10U			10U	10U	1U	1U	1U	4U	4U	1UJ	1U	1 U	1U	4.0U	4.0U
BROMOMETHANE	1000	0.85	10U			10U	10U	1U	1U	1U	5U	5UJ	1UJ	1U	1 U	1U	2.0U	2.0U
CARBON DISULFIDE	4100	100	10U			10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	2.0U	2.0U
CARBON TETRACHLORIDE	50	0.16	10U			10U	10U	1U	1U	1U	2U	2U	1UJ	1U	1 U	1U	1.0U	1.0U
CHLOROBENZENE	10000	11	10U	BDL	BDL	10U	10U	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
CHLORODIBROMOMETHANE	10000	0.13	10U			10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
CHLOROETHANE	90000	3.6	10U			10U	10U	1U	1U	1U	5U	5UJ	1UJ	1U	1 U	1U	1.0U	1.0U
CHLOROFORM	1000	0.15	10U	BDL	BDL	10U	10U	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
CHLOROMETHANE	300	19	10U			10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
CIS-1,2-DICHLOROETHENE	700	6.1						0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	10U			10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
ETHYLBENZENE	70000	130	10U	BDL	BDL	10U	10U	0.8U	0.8U	0.8U	4U	4U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
ISOPROPYLBENZENE	50000	66	8J	BDL	BDL	10U	10U	1U	3J	1U	4.9J	5.1	1UJ	1U	1 U	1U	2.0U	2.0U
METHYL ACETATE	null	null				10U	10U										5.0U	5.0U
METHYL TERT-BUTYL ETHER	200	2.6				10U	10U	0.5U	0.5U	0.5U			0.5UJ	0.5U	0.5 U	0.5U	1.0U	1.0U
METHYLCYCLOHEXANE	null	630				10U	10U										5.0U	5.0U
METHYLENE CHLORIDE	500	4.1						2U	2U	2U	3U	3U	2UJ	2U	2 U	2U	2.0U	2.0U
STYRENE	10000	160	10U	BDL	BDL	10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	5.0U	5.0U
TERT-BUTYL ALCOHOL	null	null						10U	10U	10U			10UJ	10U	10 U	10U		
TETRACHLOROETHENE	50	0.1	10U			10U	10U	0.8U	0.8U	0.8U	1U	1U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
TOLUENE	100000	75	10U	BDL	BDL	10U	10U	0.7U	0.7U	0.7U	5U	0.30J	0.7UJ	0.70U	0.7 U	0.7U	1.0U	1.0U
TRANS-1,2-DICHLOROETHENE	1000	12						0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
TRANS-1,3-DICHLOROPROPENE	null		10U			10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
TRICHLOROETHENE	50	0.026	10U	BDL		10U	10U	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U
TRICHLOROFLUOROMETHANE	200000	130						2U	2U	2U			2UJ	2U	2 U	2U	5.0U	5.0U
VINYL CHLORIDE	20	0.015	10U			10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
XYLENES, TOTAL	180000	21	10U	BDL	BDL	10U	10U	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-105															
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	8/1/00	9/1/01	12/10/03	6/10/04	6/14/05	8/11/06	6/6/07	6/26/08	6/12/09	6/16/10	6/15/11	6/13/12	6/5/13
SVOCs	Aquifers																	
1,1'-BIPHENYL	null	30				0.1J	10U										1.0U	0.47J
1,2,4-TRICHLOROBENZENE	44000	0.72	10U			10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	5.0U	5.0U
1,2-DICHLOROBENZENE	60000	27	10U			10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U
1,3-DICHLOROBENZENE	60000	18	10U			10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U
1,4-DICHLOROBENZENE	7500	0.47	10U			10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	10U			10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	2.0U	2.2U
2,4,5-TRICHLOROPHENOL	1000000	370	25U			25U	25U	1U	1U	1U	10U	10U	1U		1 U	1U	5.0U	5.5U
2,4,6-TRICHLOROPHENOL	31000	6.1	10U			10U	10U	1U	1U	1U	10U	10UJ	1U		1 U	1U	5.0U	5.5U
2,4-DICHLOROPHENOL	20000	11	10U			10U	10U	1U	1U	1U	10U	10U	1U		1 U	1U	5.0U	5.5U
2,4-DIMETHYLPHENOL	2000000	73	10U	BDL	BDL	10U	10U	1U	1U	3U	10U	10U	3U		3 U	3U	5.0U	2.7J
2,4-DINITROPHENOL	410	7.3	25UJ			25U	25U	20U	21U	22U	30U		21U		10 U	10U	20U	22U
2,4-DINITROTOLUENE	8400	7.3	10U			10U	10U	1U	1U	1U	2U	2.10U	1U	1U	1 U	1U	2.0U	2.2U
2,6-DINITROTOLUENE	100000	3.7	10U			10U	10U	1U	1U	1U	2U	2.10U	1U	1U	1 U	1U	2.0U	2.2U
2-CHLORONAPHTHALENE	8200	49	10U			10U	10U	1U	1U	1U	10U	10U	2U	2U	2 U	2U	2.0U	2.2U
2-CHLOROPHENOL	40	3	10U			10U	10U	1U	1U	1U	10U	10U	1U		1 U	1U	5.0U	5.5U
2-METHYLNAPHTHALENE	2000	2.4	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	2J	1.5	13.7
2-METHYLPHENOL	510000	180	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	10U	1U		1 U	1U	2.0U	2.2U
2-NAPHTHYLAMINE	null	null				10U	10U											
2-NITROANILINE	5.8	11	25U			25U	25U	1U	1U	1U	20U	21U	1U	1U	1 U	1U	5.0U	5.5U
2-NITROPHENOL	820000	null	10U			10U	10U	1U	1U	1U	10U	10U	1U		1 U	1U	5.0U	5.5U
3,3'-DICHLOROBENZIDINE	3100	0.15	10U			10U	10U	1U	1U	2U	20U	21U	2U	2U	2 U	2U	5.0U	5.5U
3-NITROANILINE	5.8	1.1	25U			25U	25U	1U	1U	1U	20U	21U	1U	1U	1 U	1U	5.0U	5.5U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	25U			25U	25U	5U	5U	6U	30U		5U		5 U	5U	20U	22U
4-BROMOPHENYL PHENYL ETHER	null	null	10U			10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	2.0U	2.2U
4-CHLORO-3-METHYLPHENOL	510	null	10U			10U	10U	1U	1U	1U	10U	10U	1U		1 U	1U	5.0U	5.5U
4-CHLOROANILINE	410	15	10U		BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.0U	5.5U
4-CHLOROPHENYL PHENYL ETHER	null	null	10U			10U	10U	1U	1U	1U	10U	10U	2U	2U	2 U	2U	2.0U	2.2U
4-METHYLPHENOL	510000	18	10U	BDL	BDL	10U	10U	2U	2U	2U	10U	10U	2U		2 U	2U		
4-NITROANILINE	5.8	3.3	25U			25U	25U	1U	1U	1U	20U	21U	1U	1U	1 U	1U	5.0U	5.5U
4-NITROPHENOL	60000	null	25U			25U	25U	10U	11U	11U	30U	31U	10U		10 U	10U	10U	11U
ACENAPHTHENE	3800	37	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	0.76J
ACENAPHTHYLENE	16000	null	10U		BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.1U
ACETOPHENONE	null	61				10U	10U										2.0U	2.2U
ALPHA-NAPHTHYLAMINE	null	null				10U	10U											
ANTHRACENE	66	180	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.1U
BENZALDEHYDE	null	370				0.2J	0.2J										5.0U	5.5U
BENZO(A)ANTHRACENE	11	0.092	10U		BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.1U
BENZO(A)PYRENE	3.8	0.0092	10U		BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.1U
BENZO(B)FLUORANTHENE	1.2	0.092			BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.1U
BENZO(G,H,I)PERYLENE	0.26	null	10U		BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.1U
BENZO(K)FLUORANTHENE	0.55	0.92	10U		BDL	10U	10U	1U	1U	1U	1U	10U	1U	1U	1 U	1U	1.0U	1.1U
BENZOIC ACID	null	15000		BDL		10U	10U											

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-105															
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	8/1/00	9/1/01	12/10/03	6/10/04	6/14/05	8/11/06	6/6/07	6/26/08	6/12/09	6/16/10	6/15/11	6/13/12	6/5/13
SVOCs (cont.)																		
BIS(2-CHLOROETHOXY)METHANE	null	null	10U		BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	2.0U	2.2U
BIS(2-CHLOROETHYL)ETHER	55	96	10U		BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	2.0U	2.2U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	10U		2J	10U	1J	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.0U	1.4J
BUTYLBENZYL PHTHALATE	2700	730	10U			10U	10U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.0U	2.2U
CAPROLACTAM	null	null				0.7J	2J							1U			2.0U	2.2U
CARBAZOLE	1200	3.3	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	10U	1U		1 U	1U	1.0U	1.1U
CHRYSENE	1.9	9.2	10U		BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.1U
DI-N-BUTYL PHTHALATE	400000	370	10U		BDL	10U	10U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.0U	2.2U
DI-N-OCTYL PHTHALATE	3000	150	10U			10U	10U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.0U	2.2U
DIBENZIOTHIOPHENE	null	null				10U	10U											
DIBENZO(A,H)ANTHRACENE	0.6	92	10U		BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.1U
DIBENZOFURAN	null	1.2	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.0U	0.68J
DIETHYL PHTHALATE	1100000	2900	10U		BDL	10U	10U	2U	2U	2U	10U	10U	3J	2U	2 U	2U	2.0U	1.1J
DIMETHYL PHTHALATE	null	37000	10U	BDL	BDL	10U	10U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.0U	2.2U
DIPHENYLETHER	null	null				10U	10U											
FLUORANTHENE	260	150	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.1U
FLUORENE	1900	24	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	0.47J
HEXACHLOROBENZENE	6	0.042	10U			10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.1U
HEXACHLOROBUTADIENE	1000	0.73	10U			10U	10U	1U	1U	1U	2U	2.10U	1U	1U	1 U	1U	1.0U	1.1U
HEXACHLOROCYCLOPENTADIENE	1800	22	10U			10U	10U	5U	5U	6U	10U	10UJ	5U	5U	5 U	5U	10U	11U
HEXACHLOROETHANE	100	3.65	10U			10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	2.0U	2.2U
HEXANOIC ACID	null	null				10U	10U											
INDENO(1,2,3-CD)PYRENE	62	0.092	10U		BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.1U
ISOPHORONE	100000	70	10U			10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	2.0U	2.2U
N-EIOCOSANE	null	null				10U	10U											
N-HEXADACANE	null	null				10U	10U											
N-NITROSO-DI-N-PROPYLAMINE	370	96	10U			10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	2.0U	2.2U
N-NITROSODIPHENYLAMINE	35000	14	10U			10U	10U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	5.0U	5.5U
N-TETRACDECANE	null	null				10U	10U											
N-TETRACOSANE	null	null				10U	10U											
NAPHTHALENE	30000	0.65	10U	BDL	BDL	10U	10U	1U	1U	1U	0.6	0.5J	7	1U	1 U	9	9.8	73.3
NITROBENZENE	51000	0.35	10U		BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	2.0U	2.2U
P-ISOPROPYLTOLUENE	null	null				10U	10U											
PENTACHLOROPHENOL	1000	0.56	25U			25U	25U	3U	3U	3U	30U	31UJ	3U		3 U	3U	10U	11U
PHENANTHRENE	1100	null	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	0.48J
PHENOL	400000	1100	10U	BDL	BDL	.2B	0.3J	1U	1U	1U	10U	10U	1U		1 U	1U	2.0U	2.2U
PYRENE	130	18	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.1U
PYRIDINE	null	3.7				10U	10U											
THIANAPHTHENE	null	null				10U	10U											

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-106																
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	3/1/00	8/1/00	9/1/01	12/10/03	6/7/04	6/15/05	6/15/05	8/10/06	8/10/06 DUP	6/7/07	6/26/08	6/11/09	6/16/10	6/16/11	6/13/12
VOCs																			
1,1,1-TRICHLOROETHANE	2000	320	10U		100U	100U	1000U	0.8U	0.8U	0.8U	0.8U	5U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	5.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	10U		100U	100U	1000U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U	5.0U
1,1,2-TRICHLOROETHANE	50	0.19	10U		100U	100U	1000U	0.8U	0.8U	0.8U	0.8U	3U	3U	3U	0.8UJ	0.8U	0.8 U	0.8U	5.0U
1,1-DICHLOROETHANE	1100	80	10U		100U	100U	1000U	1U	1U	1U	1U	5U	5U	5U	1UJ	1U	1 U	1U	5.0U
1,1-DICHLOROETHENE	70	35	10U		100U	100U	1000U	0.8U	0.8U	0.8U	0.8U	2U	2U	2U	0.8UJ	0.8U	0.8 U	0.8U	5.0U
1,2-DICHLOROETHANE	50	0.12	10U		100U	100U	1000U	1U	1U	1U	1U	2U	2U	2U	1UJ	1U	1 U	1U	5.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	10U		100U	100U	1000U												
1,2-DICHLOROPROPANE	50	0.16	10U		100U	100U	1000U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U	5.0U
2-BUTANONE	580000	700	10U		100U	100U	1000U	3R	3U	3U	3U	5U	5U	5U	3UJ	3U	3 U	3U	50U
2-HEXANONE	null	null	10U		100U	100U	1000U	3U	3U	3U	3U	5U	5U	5UJ	3UJ	3U	3 U	3U	25U
4-METHYL-2-PENTANONE	41000	630	10U		100U	100U	1000U	3U	3U	3U	3U	5U	5U	5U	3UJ	3U	3 U	3U	25U
ACETONE	100000	550	10U	BDL	100U	100U	1000U	6R	6U	6UJ	12UJ	5U	5U	5U	6UJ	6U	6 U	6U	50U
ALPHA METHYL STYRENE	null	43	BDL	BDL	100U	100U	1000U												
BENZENE	500	0.34	10U	BDL	52J	28J	1000U	0.5U	0.5U	0.6J	0.6J	1U	1U	1U	0.5UJ	0.5U	0.5 U	0.5U	3.5J
BROMODICHLOROMETHANE	100	0.17	10U		100U	100U	1000U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U	5.0U
BROMOFORM	10000	8.5	10U		100U	100U	1000U	1U	1U	1U	1U	4U	4U	4UJ	1UJ	1U	1 U	1U	20U
BROMOMETHANE	1000	0.85	10U		100U	100U	1000U	1U	1U	1U	1U	5U	5U	5U	1UJ	1U	1 U	1U	10U
CARBON DISULFIDE	4100	100	10U		100U	100U	1000U	1U	1U	1U	1U	5U	5U	5U	1UJ	1U	1 U	1U	10U
CARBON TETRACHLORIDE	50	0.16	10U		100U	100U	1000U	1U	1U	1U	1U	2U	2U	2U	1UJ	1U	1 U	1U	5.0U
CHLOROBENZENE	10000	11	10U	BDL	100U	100U	1000U	0.8U	0.8U	0.8U	0.8U	5U	5U	0.60J	3J	2J	0.8 U	0.8U	5.0U
CHLORODIBROMOMETHANE	10000	0.13	10U		100U	100U	1000U	1U	1U	1U	1U	5U	5U	5U	1UJ	1U	1 U	1U	5.0U
CHLOROETHANE	90000	3.6	10U		100U	100U	1000U	1U	1U	1U	1U	5U	5U	5U	1UJ	1U	1 U	1U	5.0U
CHLOROFORM	1000	0.15	10U	BDL	100U	100U	1000U	0.8U	0.8U	0.8U	0.8U	5U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	5.0U
CHLOROMETHANE	300	19	10U		100U	100U	1000U	1U	1U	1U	1U	5U	5U	5U	1UJ	1U	1 U	1U	5.0U
CIS-1,2-DICHLOROETHENE	700	6.1						0.8U	0.8U	0.8U	0.8U	5U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	5.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	10U		100U	100U	1000U	1U	1U	1U	1U	5U	5U	5U	1UJ	1U	1 U	1U	5.0U
ETHYLBENZENE	70000	130	10U	BDL	100U	16J	1000U	0.8U	0.8U	0.8U	0.8U	4U	4U	4U	0.8UJ	0.8U	0.8 U	0.8U	2.5J
ISOPROPYLBENZENE	50000	66	18B	22	1500	1000	6900	5J	1U	51	54	8.8	8.3	5U	8J	1U	1 U	120	715
METHYL ACETATE	null	null			100U	100U	1000U												25U
METHYL TERT-BUTYL ETHER	200	2.6			100U	100U	1000U	0.5U	0.5U	0.5U	0.5U				0.5UJ	0.5U	0.5 U	0.5U	5.0U
METHYLCYCLOHEXANE	null	630			100U	100U	1000U												25U
METHYLENE CHLORIDE	500	4.1						2U	2U	2U	2U	3U	3U	3U	2UJ	2U	2 U	2U	10U
STYRENE	10000	160	10U	1J	100U	100U	1000U	1U	1U	1U	1U	5U	5U	5U	1UJ	1U	1 U	1U	25U
TERT-BUTYL ALCOHOL	null	null						10U	10U	10U	10U				10UJ	10U	10 U	10U	
TETRACHLOROETHENE	50	0.1	10U		100U	100U	1000U	0.8U	0.8U	0.8U	0.8U	1U	1U	1U	0.8UJ	0.8U	0.8 U	0.8U	5.0U
TOLUENE	100000	75	10U	BDL	100U	100U	1000U	0.7U	0.7U	0.7U	0.7U	5U	5U	5U	0.7UJ	0.70U	0.7 U	0.7U	5.0U
TRANS-1,2-DICHLOROETHENE	1000	12						0.8U	0.8U	0.8U	0.8U	5U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	5.0U
TRANS-1,3-DICHLOROPROPENE	null		10U		100U	100U	1000U	1U	1U	1U	1U	5U	5U	5U	1UJ	1U	1 U	1U	5.0U
TRICHLOROETHENE	50	0.026	10U		100U	100U	1000U	1U	1U	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U	5.0U
TRICHLOROFLUOROMETHANE	200000	130						2U	2U	2U	2U				2UJ	2U	2 U	2U	25U
VINYL CHLORIDE	20	0.015	10U		100U	100U	1000U	1U	1U	1U	1U	5U	5U	5U	1UJ	1U	1 U	1U	5.0U
XYLENES, TOTAL	180000	21	10U	BDL	100U	100U	1000U	0.8U	0.8U	0.8U	0.8U	5U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	5.0U

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-106																
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	3/1/00	8/1/00	9/1/01	12/10/03	6/7/04	6/15/05	6/15/05	8/10/06	8/10/06	6/7/07	6/26/08	6/11/09	6/16/10	6/16/11	6/13/12
SVOCs (cont.)																			
BIS(2-CHLOROETHOXY)METHANE	null	null	10U	BDL	11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U	1 U	0.9U	2.0U
BIS(2-CHLOROETHYL)ETHER	55	96	10U	BDL	11U	10U	50U	1U	1U	1U	1U	1U	1U		1U	1U	1 U	0.9U	2.0U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	10U	2J	2B	10U	50U	2U	2U	2U	2U	10U	10U		2U	2U	4 J	2U	2.0U
BUTYLBENZYL PHTHALATE	2700	730	10U		11U	10U	50U	2U	2U	2U	2U	10U	10U		2U	2U	2 U	2U	2.0U
CAPROLACTAM	null	null			11U	0.4J	50U									1U			2.0U
CARBAZOLE	1200	3.3	10U	BDL	11U	10U	1J	1U	1U	1U	1U	10U	10U		1U		1 U	0.9U	1.0U
CHRYSENE	1.9	9.2	10U	BDL	11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U	1 U	0.9U	1.0U
DI-N-BUTYL PHTHALATE	400000	370	10U	BDL	0.3B	10U	50U	2U	2U	2U	2U	10U	10U		2U	2U	2 U	2U	2.0U
DI-N-OCTYL PHTHALATE	3000	150	10U		11U	10U	50U	2U	2U	2U	2U	10U	10U		2U	2U	2 U	2U	2.0U
DIBENZIOTHIOPHENE	null	null			11U	10U	50U												
DIBENZO(A,H)ANTHRACENE	0.6	92	10U	BDL	11U	10U	50U	1U	1U	1U	1U	1U	1U		1U	1U	1 U	0.9U	1.0U
DIBENZOFURAN	null	1.2	10U	BDL	11U	0.3J	50U	1U	1U	1U	1U	10U	10U		1U	1U	1 U	0.9U	5.0U
DIETHYL PHTHALATE	1100000	2900	10U	BDL	11U	10U	50U	2U	2U	2U	2U	10U	10U		2U	2U	2 U	2U	2.0U
DIMETHYL PHTHALATE	null	37000	10U	BDL	11U	10U	50U	2U	2U	2U	2U	10U	10U		2U	2U	2 U	2U	2.0U
DIPHENYLETHER	null	null			11U	10U	50U												
FLUORANTHENE	260	150	10U	BDL	11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U	1 U	0.9U	1.0U
FLUORENE	1900	24	10U	BDL	11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U	1 U	0.9U	1.0U
HEXACHLOROBENZENE	6	0.042	10U		11U	10U	50U	1U	1U	1U	1U	1U	1U		1U	1U	1 U	0.9U	1.0U
HEXACHLOROBUTADIENE	1000	0.73	10U		11U	10U	50U	1U	1U	1U	1U	2U	2.1U		1U	1U	1 U	0.9U	1.0U
HEXACHLOROCYCLOPENTADIENE	1800	22	10U		11U	10U	50U	5U	5U	5U	5U	10U	10U		5U	5U	5 U	5U	10U
HEXACHLOROETHANE	100	3.65	10U		11U	10U	50U	1U	1U	1U	1U	1U	1U		1U	1U	1 U	0.9U	2.0U
HEXANOIC ACID	null	null			11U	10U	50U												
INDENO(1,2,3-CD)PYRENE	62	0.092	10U	BDL	11U	10U	50U	1U	1U	1U	1U	1U	1U		1U	1U	1 U	0.9U	1.0U
ISOPHORONE	100000	70	10U		11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U	1 U	0.9U	2.0U
N-EIOCOSANE	null	null			11U	10U	50U												
N-HEXADACANE	null	null			11U	10U	50U												
N-NITROSO-DI-N-PROPYLAMINE	370	96	10U		11U	10U	50U	1U	1U	1U	1U	1U	1U		1U	1U	1 U	0.9U	2.0U
N-NITROSODIPHENYLAMINE	35000	14	10U		11U	10U	50U	2U	2U	2U	2U	10U	10U		2U	2U	2 U	2U	5.0U
N-TETRACDECANE	null	null			11U	10U	50U												
N-TETRACOSANE	null	null			11U	10U	50U												
NAPHTHALENE	30000	0.65	10U	7J	11U	10U	50U	1U	1U	2J	2J	0.2	10U		1U	1U	1 U	2J	0.63J
NITROBENZENE	51000	0.35	10U	BDL	11U	10U	50U	1U	1U	1U	1U	1U	1U		1U	1U	1 U	0.9U	2.0U
P-ISOPROPYLTOLUENE	null	null			11U	10U	50U												
PENTACHLOROPHENOL	1000	0.56	25U		28U	25U	120U	3U	3U	3U	3U	30U	31U		3U	3U		3UR	10U
PHENANTHRENE	1100	null	10U	BDL	11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U	1 U	0.9U	1.0U
PHENOL	400000	1100	10U	13	2J	16	50U	1U	1U	94	100	10U	10U		1U	1U		0.9UR	2.0U
PYRENE	130	18	10U	BDL	11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U	1 U	0.9U	1.0U
PYRIDINE	null	3.7			11U	10U	50U												
THIANAPHTHENE	null	null			11U	10U	50U												

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-106																
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	3/1/00	8/1/00	9/1/01	12/10/03	6/7/04	6/15/05	6/15/05	8/10/06	8/10/06	6/7/07	6/26/08	6/11/09	6/16/10	6/16/11	6/13/12
SVOCs	Aquifers																		
1,1'-BIPHENYL	null	30			11U	**80**	50U												1.0U
1,2,4-TRICHLOROBENZENE	44000	0.72	10U		11U	10U	50U	1U	1U	1U	1U	1U	1U		1U	1U	1 U	0.9U	25U
1,2-DICHLOROBENZENE	60000	27	10U		11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U	1 U	0.9U	5.0U
1,3-DICHLOROBENZENE	60000	18	10U		11U	10U	50U	1U	1U	1U	1U	0.3J	0.2J		2J	1U	1 U	0.9U	5.0U
1,4-DICHLOROBENZENE	7500	0.47	10U		11U	10U	50U	1U	1U	1U	1U	**0.7J**	**0.5J**		3J	1J	1 U	0.9U	5.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	10U		11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U	1 U	0.9U	2.0U
2,4,5-TRICHLOROPHENOL	1000000	370	25U		28U	25U	120U	1U	1U	1U	1U	10U	10U		1U	1U		0.9UR	5.0U
2,4,6-TRICHLOROPHENOL	31000	6.1	10U		11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U		0.9UR	5.0U
2,4-DICHLOROPHENOL	20000	11	10U		11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U		0.9UR	5.0U
2,4-DIMETHYLPHENOL	2000000	73	10U	BDL	11U	0.5J	50U	1U	1U	3U	3U	10U	10U		3U	3U		3UR	5.0U
2,4-DINITROPHENOL	410	7.3	25UJ		28U	25U	120U	19U	21U	20U	19U	30U	31U		21U	20U		9UR	20U
2,4-DINITROTOLUENE	8400	7.3	10U		11U	10U	50U	1U	1U	1U	1U	2U	2.1U		1U	1U	1 U	0.9U	2.0U
2,6-DINITROTOLUENE	100000	3.7	10U		11U	10U	50U	1U	1U	1U	1U	2U	2.1U		1U	1U	1 U	0.9U	2.0U
2-CHLORONAPHTHALENE	8200	49	10U		11U	10U	50U	1U	1U	1U	1U	10U	10U		2U	2U	2 U	2U	2.0U
2-CHLOROPHENOL	40	3	10U		11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U		0.9UR	5.0U
2-METHYLNAPHTHALENE	2000	2.4	10U	BDL	11U	**8J**	50U	1U	1U	1U	1U	10U	10U		1U	1U	1 U	1J	1.0U
2-METHYLPHENOL	510000	180	10U	BDL	11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U		0.9UR	2.0U
2-NAPHTHYLAMINE	null	null			11U	10U	50U												
2-NITROANILINE	5.8	11	25U		28U	25U	120U	1U	1U	1U	1U	20U	21U		1U	1U	1 U	0.9U	5.0U
2-NITROPHENOL	820000	null	10U		11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U		0.9UR	5.0U
3,3'-DICHLOROBENZIDINE	3100	0.15	10U		11U	10U	50U	1U	1U	2U	2U	20U	21U		2U	2U	2 U	2U	5.0U
3-NITROANILINE	5.8	1.1	25U		28U	25U	120U	1U	1U	1U	1U	20U	21U		1U	1U	1 U	0.9U	5.0U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	25U		28U	25U	120U	5U	5U	5U	5U	30U	31U		5U	5U		5UR	20U
4-BROMOPHENYL PHENYL ETHER	null	null	10U		11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U	1 U	0.9U	2.0U
4-CHLORO-3-METHYLPHENOL	510	null	10U		11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U		0.9UR	5.0U
4-CHLOROANILINE	410	15	10U	BDL	11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U	1 U	0.9U	5.0U
4-CHLOROPHENYL PHENYL ETHER	null	null	10U		11U	10U	50U	1U	1U	1U	1U	10U	10U		2U	2U	2 U	2U	2.0U
4-METHYLPHENOL	510000	18	10U	BDL	11U	10U	50U	8J	2U	2U	2U	10U	10U		2U	2U		2UR	
4-NITROANILINE	5.8	3.3	25U		28U	25U	120U	1U	1U	1U	1U	20U	21U		1U	1U	1 U	0.9U	5.0U
4-NITROPHENOL	60000	null	25U		28U	25U	120U	10U	10U	10U	10U	30U	31U		10U	10U		9UR	10U
ACENAPHTHENE	3800	37	10U	BDL	11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U	1 U	0.9U	1.0U
ACENAPHTHYLENE	16000	null	10U	BDL	0.1J	0.1J	50U	1U	1U	1U	1U	10U	10U		1U	1U	1 U	0.9U	1.0U
ACETOPHENONE	null	61			4J	5J	10.5J												1.6J
ALPHA-NAPHTHYLAMINE	null	null			11U	10U	50U												
ANTHRACENE	66	180	10U	BDL	11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U	1 U	0.9U	1.0U
BENZALDEHYDE	null	370			0.2J	10U	50U												5.0U
BENZO(A)ANTHRACENE	11	0.092	10U	BDL	11U	10U	50U	1U	1U	1U	1U	1U	1U		1U	1U	1 U	0.9U	1.0U
BENZO(A)PYRENE	3.8	0.0092	10U	BDL	11U	10U	50U	1U	1U	1U	1U	1U	1U		1U	1U	1 U	0.9U	1.0U
BENZO(B)FLUORANTHENE	1.2	0.092		BDL	11U	10U	50U	1U	1U	1U	1U	1U	1U		1U	1U	1 U	0.9U	1.0U
BENZO(G,H,I)PERYLENE	0.26	null	10U	BDL	11U	10U	50U	1U	1U	1U	1U	10U	10U		1U	1U	1 U	0.9U	1.0U
BENZO(K)FLUORANTHENE	0.55	0.92	10U	BDL	11U	10U	50U	1U	1U	1U	1U	1U	1U		1U	1U	1 U	0.9U	1.0U
BENZOIC ACID	null	15000			11U	10U	50U												

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	**MW-106**
SAMPLE DATE	Aquifer MSC	RBC	6/5/13
VOCs			
1,1,1-TRICHLOROETHANE	2000	320	1.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	1.0U
1,1,2-TRICHLOROETHANE	50	0.19	1.0U
1,1-DICHLOROETHANE	1100	80	1.0U
1,1-DICHLOROETHENE	70	35	1.0U
1,2-DICHLOROETHANE	50	0.12	1.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	
1,2-DICHLOROPROPANE	50	0.16	1.0U
2-BUTANONE	580000	700	10U
2-HEXANONE	null	null	5.0U
4-METHYL-2-PENTANONE	41000	630	5.0U
ACETONE	100000	550	10U
ALPHA METHYL STYRENE	null	43	
BENZENE	500	0.34	0.46J
BROMODICHLOROMETHANE	100	0.17	1.0U
BROMOFORM	10000	8.5	4.0U
BROMOMETHANE	1000	0.85	2.0U
CARBON DISULFIDE	4100	100	2.0U
CARBON TETRACHLORIDE	50	0.16	1.0U
CHLOROBENZENE	10000	11	1.0U
CHLORODIBROMOMETHANE	10000	0.13	1.0U
CHLOROETHANE	90000	3.6	1.0U
CHLOROFORM	1000	0.15	1.0U
CHLOROMETHANE	300	19	1.0U
CIS-1,2-DICHLOROETHENE	700	6.1	1.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	1.0U
ETHYLBENZENE	70000	130	1.5
ISOPROPYLBENZENE	50000	66	97.4
METHYL ACETATE	null	null	5.0U
METHYL TERT-BUTYL ETHER	200	2.6	1.0U
METHYLCYCLOHEXANE	null	630	5.0U
METHYLENE CHLORIDE	500	4.1	2.0U
STYRENE	10000	160	5.0U
TERT-BUTYL ALCOHOL	null	null	
TETRACHLOROETHENE	50	0.1	1.0U
TOLUENE	100000	75	1.0U
TRANS-1,2-DICHLOROETHENE	1000	12	1.0U
TRANS-1,3-DICHLOROPROPENE	null		1.0U
TRICHLOROETHENE	50	0.026	1.0U
TRICHLOROFLUOROMETHANE	200000	130	5.0U
VINYL CHLORIDE	20	0.015	1.0U
XYLENES, TOTAL	180000	21	1.0U

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs [illegible] SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	**MW-106**
SAMPLE DATE	Aquifer MSC	RBC	6/5/13
SVOCs	Aquifers		
1,1'-BIPHENYL	null	30	1.0U
1,2,4-TRICHLOROBENZENE	44000	0.72	5.0U
1,2-DICHLOROBENZENE	60000	27	1.0U
1,3-DICHLOROBENZENE	60000	18	1.0U
1,4-DICHLOROBENZENE	7500	0.47	1.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	2.1U
2,4,5-TRICHLOROPHENOL	1000000	370	5.2U
2,4,6-TRICHLOROPHENOL	31000	6.1	5.2U
2,4-DICHLOROPHENOL	20000	11	5.2U
2,4-DIMETHYLPHENOL	2000000	73	5.2U
2,4-DINITROPHENOL	410	7.3	21U
2,4-DINITROTOLUENE	8400	7.3	2.1U
2,6-DINITROTOLUENE	100000	3.7	2.1U
2-CHLORONAPHTHALENE	8200	49	2.1U
2-CHLOROPHENOL	40	3	5.2U
2-METHYLNAPHTHALENE	2000	2.4	1.0U
2-METHYLPHENOL	510000	180	2.1U
2-NAPHTHYLAMINE	null	null	
2-NITROANILINE	5.8	11	5.2U
2-NITROPHENOL	820000	null	5.2U
3,3'-DICHLOROBENZIDINE	3100	0.15	5.2U
3-NITROANILINE	5.8	1.1	5.2U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	21U
4-BROMOPHENYL PHENYL ETHER	null	null	2.1U
4-CHLORO-3-METHYLPHENOL	510	null	5.2U
4-CHLOROANILINE	410	15	5.2U
4-CHLOROPHENYL PHENYL ETHER	null	null	2.1U
4-METHYLPHENOL	510000	18	
4-NITROANILINE	5.8	3.3	5.2U
4-NITROPHENOL	60000	null	10U
ACENAPHTHENE	3800	37	1.0U
ACENAPHTHYLENE	16000	null	1.0U
ACETOPHENONE	null	61	2.1U
ALPHA-NAPHTHYLAMINE	null	null	
ANTHRACENE	66	180	1.0U
BENZALDEHYDE	null	370	5.2U
BENZO(A)ANTHRACENE	11	0.092	1.0U
BENZO(A)PYRENE	3.8	0.0092	1.0U
BENZO(B)FLUORANTHENE	1.2	0.092	1.0U
BENZO(G,H,I)PERYLENE	0.26	null	1.0U
BENZO(K)FLUORANTHENE	0.55	0.92	1.0U
BENZOIC ACID	null	15000	

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	**MW-106**
SAMPLE DATE	Aquifer MSC	RBC	6/5/13
SVOCs (cont.)			
BIS(2-CHLOROETHOXY)METHANE	null	null	2.1U
BIS(2-CHLOROETHYL)ETHER	55	96	2.1U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	2.1U
BUTYLBENZYL PHTHALATE	2700	730	2.1U
CAPROLACTAM	null	null	2.1U
CARBAZOLE	1200	3.3	1.0U
CHRYSENE	1.9	9.2	1.0U
DI-N-BUTYL PHTHALATE	400000	370	2.1U
DI-N-OCTYL PHTHALATE	3000	150	2.1U
DIBENZIOTHIOPHENE	null	null	
DIBENZO(A,H)ANTHRACENE	0.6	92	1.0U
DIBENZOFURAN	null	1.2	5.2U
DIETHYL PHTHALATE	1100000	2900	2.1U
DIMETHYL PHTHALATE	null	37000	2.1U
DIPHENYLETHER	null	null	
FLUORANTHENE	260	150	1.0U
FLUORENE	1900	24	1.0U
HEXACHLOROBENZENE	6	0.042	1.0U
HEXACHLOROBUTADIENE	1000	0.73	1.0U
HEXACHLOROCYCLOPENTADIENE	1800	22	10U
HEXACHLOROETHANE	100	3.65	2.1U
HEXANOIC ACID	null	null	
INDENO(1,2,3-CD)PYRENE	62	0.092	1.0U
ISOPHORONE	100000	70	2.1U
N-EIOCOSANE	null	null	
N-HEXADACANE	null	null	
N-NITROSO-DI-N-PROPYLAMINE	370	96	2.1U
N-NITROSODIPHENYLAMINE	35000	14	5.2U
N-TETRACDECANE	null	null	
N-TETRACOSANE	null	null	
NAPHTHALENE	30000	0.65	1.0U
NITROBENZENE	51000	0.35	2.1U
P-ISOPROPYLTOLUENE	null	null	
PENTACHLOROPHENOL	1000	0.56	10U
PHENANTHRENE	1100	null	1.0U
PHENOL	400000	1100	2.1U
PYRENE	130	18	1.0U
PYRIDINE	null	3.7	
THIANAPHTHENE	null	null	

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-107												
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	4/1/04	6/10/04	6/14/05	8/11/06	6/7/07	6/26/08	6/10/09	6/17/10	6/15/11	6/14/12	6/6/13
VOCs															
1,1,1-TRICHLOROETHANE	2000	320	10U		8U	8U	0.8U	25U	500U	8UJ	8U	4 U	0.8U	10U	2.5U
1,1,2,2-TETRACHLOROETHANE	30	0.053	10U		10U	10U	1U	5U	100U	10UJ	10U	5 U	1U	10U	2.5U
1,1,2-TRICHLOROETHANE	50	0.19	10U		8U	8U	0.8U	15U	300U	8UJ	8U	4 U	0.8U	10U	2.5U
1,1-DICHLOROETHANE	1100	80	10U		10U	10U	1U	25U	500U	10UJ	10U	5 U	1U	10U	2.5U
1,1-DICHLOROETHENE	70	35	10U		8U	8U	0.8U	10U	200U	8UJ	8U	4 U	0.8U	10U	2.5U
1,2-DICHLOROETHANE	50	0.12	10U		10U	10U	1U	10U	200U	10UJ	10U	5 U	1U	10U	2.5U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	10U												
1,2-DICHLOROPROPANE	50	0.16	10U		10U	10U	1U	5U	100U	10UJ	10U	5 U	1U	10U	2.5U
2-BUTANONE	580000	700	53		30U	30U	3U	25U	500UJ	30UJ	30U	15 U	3U	100U	25U
2-HEXANONE	null	null	10U		30U	30U	3U	25U	500UJ	30UJ	30U	15 U	3U	50U	13U
4-METHYL-2-PENTANONE	41000	630	6J		30U	30U	3U	25U	500UJ	30UJ	30U	15 U	3U	50U	13U
ACETONE	100000	550	10	BDL	60U	60U	15UJ	25U	500U	60UJ	60U	30 U	13J	100U	79.8
ALPHA METHYL STYRENE	null	43	BDL	BDL											
BENZENE	500	0.34	53	140	74	58	82	37	35J	34J	27J	37	36	16.7	18.6
BROMODICHLOROMETHANE	100	0.17	10U		10U	10U	1U	5U	100U	10UJ	10U	5 U	1U	10U	2.5U
BROMOFORM	10000	8.5	10U		10U	10U	1U	20U	400U	10UJ	10U	5 U	1U	40U	10U
BROMOMETHANE	1000	0.85	10U		10U	10U	1UJ	25U	500UJ	10UJ	10U	5 U	1U	20U	5.0U
CARBON DISULFIDE	4100	100	10U		10U	10U	1U	25U	500U	10UJ	10U	5 U	1U	20U	5.0U
CARBON TETRACHLORIDE	50	0.16	10U		10U	10U	1U	10U	200U	10UJ	10U	5 U	1U	10U	2.5U
CHLOROBENZENE	10000	11	10U	BDL	8U	8U	0.8U	25U	500U	8UJ	8U	4 U	0.8U	10U	2.5U
CHLORODIBROMOMETHANE	10000	0.13	10U		10U	10U	1U	25U	500U	10UJ	10U	5 U	1U	10U	2.5U
CHLOROETHANE	90000	3.6	10U		10U	10U	1U	25U	500UJ	10UJ	10U	5 U	1U	10U	2.5U
CHLOROFORM	1000	0.15	10	BDL	8U	8U	0.8U	25U	500U	8UJ	8U	4 U	0.8U	10U	0.62J
CHLOROMETHANE	300	19	10U		10U	10U	1U	25U	500U	10UJ	10U	5 U	1U	10U	2.5U
CIS-1,2-DICHLOROETHENE	700	6.1			8U	8U	0.8U	25U	500U	8UJ	8U	4 U	0.8U	10U	2.5U
CIS-1,3-DICHLOROPROPENE	null	0.44	10U		10U	10U	1U	25U	500U	10UJ	10U	5 U	1U	10U	2.5U
ETHYLBENZENE	70000	130	53	170	100	67	95	56	38J	45J	61	48	46	34.9	29.4
ISOPROPYLBENZENE	50000	66	7J	BDL	10J	10U	8	5.8J	500U	10UJ	10U	5 U	5J	15.1J	4.7J
METHYL ACETATE	null	null												50U	13U
METHYL TERT-BUTYL ETHER	200	2.6			5U	5U	0.5U			5UJ	5U	3 U	0.5U	10U	2.5U
METHYLCYCLOHEXANE	null	630												50U	13U
METHYLENE CHLORIDE	500	4.1			20U	20U	2U	15U	300U	20UJ	20U	10 U	2U	20U	5.0U
STYRENE	10000	160	21	BDL	10U	10U	1U	25U	500U	10UJ	10U	5 U	1U	50U	13U
TERT-BUTYL ALCOHOL	null	null			100U	100U	10U			100UJ	100U	50 U	10U		
TETRACHLOROETHENE	50	0.1	10U		8U	8U	0.8U	5U	100U	8UJ	8U	4 U	0.8U	10U	2.5U
TOLUENE	100000	75	64	190	75	50	76	37	45J	30J	30J	33	29	12.8	12
TRANS-1,2-DICHLOROETHENE	1000	12			8U	8U	0.8U	25U	500U	8UJ	8U	4 U	0.8U	10U	2.5U
TRANS-1,3-DICHLOROPROPENE	null		10U		10U	10U	1U	25U	500U	10UJ	10U	5 U	1U	10U	2.5U
TRICHLOROETHENE	50	0.026	10U		10U	10U	1U	5U	100U	10UJ	10U	5 U	1U	10U	2.5U
TRICHLOROFLUOROMETHANE	200000	130			20U	20U	2U			20UJ	20U	10 U	2U	50U	13U
VINYL CHLORIDE	20	0.015	10U		10U	10U	1U	25U	500U	10UJ	10U	5 U	1U	10U	2.5U
XYLENES, TOTAL	180000	21	90	560	400	310	400	240	110J	170J	140	160	140	90.4	82.7

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-107												
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	4/1/04	6/10/04	6/14/05	8/11/06	6/7/07	6/26/08	6/10/09	6/17/10	6/15/11	6/14/12	6/6/13
SVOCs (cont.)															
BIS(2-CHLOROETHOXY)METHANE	null	null	200U	13	5U	40U	10U	1000U	230U	10U	120U	1 U	9U	2.4U	2.2U
BIS(2-CHLOROETHYL)ETHER	55	96	200U	BDL	5U	40U	10U	100U	23U	10U	120U	1 U	9U	2.4U	2.2U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	200U	2J	10U	240J	24J	1000U	230U	20U	230U	7	110	1.4J	1.1J
BUTYLBENZYL PHTHALATE	2700	730	200U		10U	80U	19U	1000U	230U	20U	230U	2 U	19U	2.4U	2.2U
CAPROLACTAM	null	null									120U			2.4U	2.2U
CARBAZOLE	1200	3.3	200U	6J	10J	71J	22J	1000U	230U	14J		8	80	1.7	1.6
CHRYSENE	1.9	9.2	200U	BDL	5U	**82J**	**50J**	**36J**	230U	**15J**	**170J**	**6**	**300**	0.54J	0.63J
DI-N-BUTYL PHTHALATE	400000	370	200U	BDL	10U	80U	19U	1000U	230U	20U	230U	2 U	40J	2.4U	2.2U
DI-N-OCTYL PHTHALATE	3000	150	200U		10U	80U	19U	1000U	230U	20U	230U	2 U	19U	2.4U	2.2U
DIBENZIOTHIOPHENE	null	null													
DIBENZO(A,H)ANTHRACENE	0.6	92	200U	BDL	5U	40U	10U	100U	23U	10U	120U	1 U	**28J**	1.2U	1.1U
DIBENZOFURAN	null	1.2	68J	5J	27J	330J	200	120J	5.30J	68	640	35	1100	4.5J	4.4J
DIETHYL PHTHALATE	1100000	2900	200U	BDL	10U	80U	19U	1000U	230U	20U	230U	2 U	19U	2.4U	2.2U
DIMETHYL PHTHALATE	null	37000	500U	BDL	10U	80U	19U	1000U	230U	20U	230U	2 U	19U	2.4U	2.2U
DIPHENYLETHER	null	null													
FLUORANTHENE	260	150	200U	BDL	17J	**290J**	190	130J	230U	60	**680**	24	**1100**	1.9	2.2
FLUORENE	1900	24	200U	BDL	19J	280J	150	100J	230U	58	520J	28	980	3.1	3.4
HEXACHLOROBENZENE	6	0.042	200U		5U	40U	10U	100U	23U	10U	120U	1 U	9U	1.2U	1.1U
HEXACHLOROBUTADIENE	1000	0.73	200U		5U	40U	10U	200U	46U	10U	120U	1 U	9U	1.2U	1.1U
HEXACHLOROCYCLOPENTADIENE	1800	22	200U		24U	200U	49U	1000U	230UJ	49U	590U	6 U	47U	12U	11U
HEXACHLOROETHANE	100	3.65	200U		5U	40U	10U	100U	23U	10U	120U	1 U	9U	2.4U	2.2U
HEXANOIC ACID	null	null													
INDENO(1,2,3-CD)PYRENE	62	0.092	200U	BDL	5U	40U	20J	100U	23U	10U	120U	2 J	**120**	1.2U	1.1U
ISOPHORONE	100000	70	200U		5U	40U	10U	1000U	230U	10U	120U	1 U	9U	2.4U	2.2U
N-EIOCOSANE	null	null													
N-HEXADACANE	null	null													
N-NITROSO-DI-N-PROPYLAMINE	370	96	200U		5U	40U	10U	100U	23U	10U	120U	1 U	9U	2.4U	2.2U
N-NITROSODIPHENYLAMINE	35000	14	200U		10U	80U	19U	1000U	230U	20U	230U	2 U	19U	5.9U	5.5U
N-TETRACDECANE	null	null													
N-TETRACOSANE	null	null													
NAPHTHALENE	30000	0.65	19000J	88	11000	**41000**	23000	16000	2600	9800	**78000**	7300	**95000**	1680	82.9
NITROBENZENE	51000	0.35	200U	72	5U	40U	10U	100U	23U	10U	120U	1 U	9U	2.4U	2.2U
P-ISOPROPYLTOLUENE	null	null													
PENTACHLOROPHENOL	1000	0.56	500U		14U	120U	29U	3000U	690UJ	30U	350U	4 U	28U	12U	11U
PHENANTHRENE	1100	null	200U	2J	24J	390J	220	150J	230U	79	830	32	**1400**	3	3.2
PHENOL	400000	1100	53000	16	95	55J	10U	1000U	230U	10U	120U	4 J	9U	2.4U	2.2U
PYRENE	130	18	200U	BDL	11J	**260J**	**140**	90J	230U	45J	**560J**	18	1000	1.5	1.7
PYRIDINE	null	3.7													
THIANAPHTHENE	null	null													

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-107												
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	4/1/04	6/10/04	6/14/05	8/11/06	6/7/07	6/26/08	6/10/09	6/17/10	6/15/11	6/14/12	6/6/13
SVOCs	Aquifers														
1,1'-BIPHENYL	null	30												22.5	18.7
1,2,4-TRICHLOROBENZENE	44000	0.72	200U		5U	40U	10U	100U	23U	10U	120U	1 U	9U	50U	13U
1,2-DICHLOROBENZENE	60000	27	200U		5U	40U	10U	1000U	230U	10U	120U	1 U	9U	10U	2.5U
1,3-DICHLOROBENZENE	60000	18	200U		5U	40U	10U	1000U	230U	10U	120U	1 U	9U	10U	2.5U
1,4-DICHLOROBENZENE	7500	0.47	200U		5U	40U	10U	1000U	230U	10U	120U	1 U	9U	10U	2.5U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	200U		5U	40U	10U	1000U	230U	10U	120U	1 U	9U	2.4U	2.2U
2,4,5-TRICHLOROPHENOL	1000000	370	500U		5U	40U	10U	1000U	230U	10U	120U	1 U	9U	5.9U	5.5U
2,4,6-TRICHLOROPHENOL	31000	6.1	200U		5U	40U	10U	1000U	230UJ	10U	120U	1 U	9U	5.9U	5.5U
2,4-DICHLOROPHENOL	20000	11	200U		5U	40U	10U	1000U	230U	10U	120U	1 U	9U	5.9U	5.5U
2,4-DIMETHYLPHENOL	2000000	73	87000	710	3500	2800	2100J	1000	1200	2300	2300	1700	2700	132	821
2,4-DINITROPHENOL	410	7.3	500U		95U	800U	190U	3000U		200U	2300U	12 U	95U	24U	22U
2,4-DINITROTOLUENE	8400	7.3	200U		5U	40U	10U	200U	46U	10U	120U	1 U	9U	2.4U	2.2U
2,6-DINITROTOLUENE	100000	3.7	200U		5U	40U	10U	200U	46U	10U	120U	1 U	9U	2.4U	2.2U
2-CHLORONAPHTHALENE	8200	49	200U		5U	40U	10U	1000U	230U	20U	230U	2 U	19U	2.4U	2.2U
2-CHLOROPHENOL	40	3	200U		5U	40U	10U	1000U	230U	10U	120U	1 U	9U	5.9U	5.5U
2-METHYLNAPHTHALENE	2000	2.4	**3400J**	210	**4000**	**32000**	**19000**	**13000**	1000	**6700**	**84000J**	**4300**	**120000**	769	405
2-METHYLPHENOL	510000	180	22000J	130	230	150J	100	57J	29J	10U	120U	14	46J	1.7J	2.2U
2-NAPHTHYLAMINE	null	null													
2-NITROANILINE	5.8	11	500U		5U	40U	10U	2000U	460U	10U	120U	1 U	9U	5.9U	5.5U
2-NITROPHENOL	820000	null	200U		5U	40U	10U	1000U	230U	10U	120U	1 U	9U	5.9U	5.5U
3,3'-DICHLOROBENZIDINE	3100	0.15	200U		5U	40U	19U	2000U	460U	20U	230U	2 U	19U	5.9U	5.5U
3-NITROANILINE	5.8	1.1	500U		5U	40U	10U	2000U	460U	10U	120U	1 U	9U	5.9U	5.5U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	500U		24U	200U	49U	3000U		49U	590U	6 U	47U	24U	22U
4-BROMOPHENYL PHENYL ETHER	null	null	200U		5U	40U	10U	1000U	230U	10U	120U	1 U	9U	2.4U	2.2U
4-CHLORO-3-METHYLPHENOL	510	null	200U		5U	40U	10U	1000U	230U	10U	120U	1 U	9U	5.9U	5.5U
4-CHLOROANILINE	410	15	200U	23	5U	40U	10U	1000U	230U	10U	120U	1 U	9U	5.9U	5.5U
4-CHLOROPHENYL PHENYL ETHER	null	null	200U		5U	40U	10U	1000U	230U	20U	230U	2 U	19U	2.4U	2.2U
4-METHYLPHENOL	510000	18	78000	48	190	80U	20J	55J	74J	20U	230U	23	38J		
4-NITROANILINE	5.8	3.3	500U		5U	40U	10U	2000U	460U	10U	120U	1 U	9U	5.9U	5.5U
4-NITROPHENOL	60000	null	500U		48U	400U	97U	3000U	690U	99U	1200U	12 U	95U	12U	11U
ACENAPHTHENE	3800	37	200U	BDL	29J	350J	210	140J	5J	68	720	36	1100	5.1	5.7
ACENAPHTHYLENE	16000	null	200U	BDL	13J	110J	71J	35J	4.8J	21J	250J	13	390	1.6	1.6
ACETOPHENONE	null	61												2.4U	2.2U
ALPHA-NAPHTHYLAMINE	null	null													
ANTHRACENE	66	180	200U	3J	13J	**230J**	**120**	**80J**	230U	39J	**420J**	17	**770**	1.3	1.5
BENZALDEHYDE	null	370												5.9U	5.5U
BENZO(A)ANTHRACENE	11	0.092	200U	BDL	5U	**76J**	**46J**	**32J**	23U	**21J**	**140J**	9	**470**	0.68J	0.84J
BENZO(A)PYRENE	3.8	0.0092	200U	BDL	5U	**49J**	**38J**	100U	23U	10U	120U	**4 J**	**180**	1.2U	0.48J
BENZO(B)FLUORANTHENE	1.2	0.092	200U	BDL	5U	**66J**	**49J**	100U	23U	**14J**	**150J**	5 J	**230**	1.2U	0.74J
BENZO(G,H,I)PERYLENE	0.26	null	200U	BDL	5U	40U	**23J**	1000U	230U	10U	120U	2 J	**110**	1.2U	1.1U
BENZO(K)FLUORANTHENE	0.55	0.92	200U	BDL	5U	40U	**22J**	100U	23UJ	10U	120U	2 J	**93**	1.2U	1.1U
BENZOIC ACID	null	15000													

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-108																
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	8/1/00	9/1/01	12/10/03	6/7/04	6/15/05	8/10/06	6/7/07	6/26/08	6/11/09	6/16/10	6/16/11	6/14/12	6/5/13	6/5/13
VOCs																			
1,1,1-TRICHLOROETHANE	2000	320	4J	BDL		10U	10U	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U	1.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	10U			10U	10U	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U	1.0U
1,1,2-TRICHLOROETHANE	50	0.19	10U			10U	10U	0.8U	0.8U	0.8U	3U	3U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U	1.0U
1,1-DICHLOROETHANE	1100	80	10U			10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U	1.0U
1,1-DICHLOROETHENE	70	35	53	BDL		10U	10U	0.8U	0.8U	0.8U	2U	2U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U	1.0U
1,2-DICHLOROETHANE	50	0.12	10U	BDL		10U	10U	1U	1U	1U	2U	2U	1UJ	1U	1 U	1U	1.0U	1.0U	1.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	10U	BDL		10U	10U												
1,2-DICHLOROPROPANE	50	0.16	10U			10U	10U	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U	1.0U
2-BUTANONE	580000	700	10U			10U	10U	3U	3U	3U	5U	5U	3UJ	3U	3 U	3U	10U	10U	10U
2-HEXANONE	null	null	10U			10U	10U	3U	3U	3U	5U	5UJ	3UJ	3U	3 U	3U	5.0U	5.0U	5.0U
4-METHYL-2-PENTANONE	41000	630	10U			10U	10U	3U	3U	3U	5U	5U	3UJ	3U	3 U	3U	5.0U	5.0U	5.0U
ACETONE	100000	550	10	BDL	BDL	10U	10U	6R	6U	6UJ	5U	5U	6UJ	6U	17 J	6U	10U	10U	10U
ALPHA METHYL STYRENE	null	43	BDL		BDL	10U	10U												
BENZENE	500	0.34	52	BDL	BDL	10U	10U	0.5U	0.5U	0.5U	1U	1U	0.5UJ	0.5U	0.5 U	0.5U	1.0U	1.0U	1.0U
BROMODICHLOROMETHANE	100	0.17	10U			10U	10U	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U	1.0U
BROMOFORM	10000	8.5	10U			10U	10U	1U	1U	1U	4U	4UJ	1UJ	1U	1 U	1U	4.0U	4.0U	4.0U
BROMOMETHANE	1000	0.85	10U			10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	2.0U	2.0U	2.0U
CARBON DISULFIDE	4100	100	10U			10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	2.0U	2.0U	2.0U
CARBON TETRACHLORIDE	50	0.16	10U			10U	10U	1U	1U	1U	2U	2U	1UJ	1U	1 U	1U	1.0U	1.0U	1.0U
CHLOROBENZENE	10000	11	52	BDL	BDL	10U	0.5J	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U	1.0U
CHLORODIBROMOMETHANE	10000	0.13	10U			10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U	1.0U
CHLOROETHANE	90000	3.6	10U			10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U	1.0U
CHLOROFORM	1000	0.15	37	36	24	27	53	19	30	8	16	14	13J	14	11	16	28.2	29.1	28.7
CHLOROMETHANE	300	19	10U			10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U	1.0U
CIS-1,2-DICHLOROETHENE	700	6.1						0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U	1.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	10U			10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U	1.0U
ETHYLBENZENE	70000	130	10U	BDL	BDL	10U	10U	0.8U	0.8U	0.8U	4U	4U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U	1.0U
ISOPROPYLBENZENE	50000	66	BDL	BDL	BDL	10U	10U	1U	1U	18	0.7J	0.5J	1UJ	1U	1 U	1U	2.0U	0.90J	0.54J
METHYL ACETATE	null	null				10U	10U										5.0U	5.0U	5.0U
METHYL TERT-BUTYL ETHER	200	2.6				10U	10U	0.5U	0.5U	0.5U			0.5UJ	0.5U	0.5 U	0.5U	1.0U	1.0U	1.0U
METHYLCYCLOHEXANE	null	630				10U	10U										5.0U	5.0U	5.0U
METHYLENE CHLORIDE	500	4.1						2U	2U	2U	3U	3U	2UJ	2U	2 U	2U	2.0U	2.0U	2.0U
STYRENE	10000	160	10U	BDL	BDL	10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	5.0U	5.0U	5.0U
TERT-BUTYL ALCOHOL	null	null						10U	10U	10U			10UJ	10U	10 U	10U			
TETRACHLOROETHENE	50	0.1	10U			10U	10U	0.8U	0.8U	0.8U	1U	1U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U	1.0U
TOLUENE	100000	75	54	BDL	BDL	10U	0.6J	0.7U	0.7U	0.7U	5U	5U	0.7UJ	0.70U	0.7 U	0.7U	1.0U	1.0U	1.0U
TRANS-1,2-DICHLOROETHENE	1000	12						0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U	1.0U
TRANS-1,3-DICHLOROPROPENE	null		10U			10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U	1.0U
TRICHLOROETHENE	50	0.026	55	BDL		10U	10U	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U	0.42J	1.0U	1.0U
TRICHLOROFLUOROMETHANE	200000	130						2U	2U	2U			2UJ	2U	2 U	2U	5.0U	5.0U	5.0U
VINYL CHLORIDE	20	0.015	10U			10U	10U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U	1.0U
XYLENES, TOTAL	180000	21	10U	BDL	BDL	10U	10U	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U	1.0U

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Honeywell Resins and Chemicals
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Philadelphia, Pennsylvania

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SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	8/1/00	9/1/01	12/10/03	6/7/04	6/15/05	8/10/06	6/7/07	6/26/08	6/11/09	6/16/10	6/16/11	6/14/12	6/5/13	6/5/13
SVOCs	Aquifers																		
1,1'-BIPHENYL	null	30				11U	10U										1.0U	1.1U	1.0U
1,2,4-TRICHLOROBENZENE	44000	0.72	10U			11U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	5.0U	5.0U	5.0U
1,2-DICHLOROBENZENE	60000	27	10U			11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U	1.0U
1,3-DICHLOROBENZENE	60000	18	10U			11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U	1.0U
1,4-DICHLOROBENZENE	7500	0.47	10U			11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U	1.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	10U			11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	2.0U	2.1U	2.0U
2,4,5-TRICHLOROPHENOL	1000000	370	25U			28U	25U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.1U	5.3U	5.0U
2,4,6-TRICHLOROPHENOL	31000	6.1	10U			11U	10U	1U	1U	1U	10U	10UJ	1U	1U	1 U	1U	5.1U	5.3U	5.0U
2,4-DICHLOROPHENOL	20000	11	10U			11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.1U	5.3U	5.0U
2,4-DIMETHYLPHENOL	2000000	73	10U	BDL	BDL	11U	10U	1U	1U	3U	10U	10U	3U	3U	3 U	3U	5.1U	5.3U	5.0U
2,4-DINITROPHENOL	410	7.3	25U			28U	25U	19U	20U	20U	31U		21U	20U	10 U	10U	20U	21U	20U
2,4-DINITROTOLUENE	8400	7.3	10U			11U	10U	1U	1U	1U	2.1U	2U	1U	1U	1 U	1U	2.0U	2.1U	2.0U
2,6-DINITROTOLUENE	100000	3.7	10U			11U	10U	1U	1U	1U	2.1U	2U	1U	1U	1 U	1U	2.0U	2.1U	2.0U
2-CHLORONAPHTHALENE	8200	49	10U			11U	10U	1U	1U	1U	10U	10U	2U	2U	2 U	2U	2.0U	2.1U	2.0U
2-CHLOROPHENOL	40	3	10U			11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.1U	5.3U	5.0U
2-METHYLNAPHTHALENE	2000	2.4	10U	BDL	BDL	11U	10U	1U	1U	1U	0.9J	10U	1U	1U	1 U	1U	1.0U	1.1U	1.0U
2-METHYLPHENOL	510000	180	10U	BDL	BDL	11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	2.0U	2.1U	2.0U
2-NAPHTHYLAMINE	null	null				11U	10U												
2-NITROANILINE	5.8	11	25U			28U	25U	1U	1U	1U	21U	20U	1U	1U	1 U	1U	5.1U	5.3U	5.0U
2-NITROPHENOL	820000	null	10U			11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.1U	5.3U	5.0U
3,3'-DICHLOROBENZIDINE	3100	0.15	10U			11U	10U	1U	1U	2U	21U	20U	2U	2U	2 U	2U	5.1U	5.3U	5.0U
3-NITROANILINE	5.8	1.1	25U			28U	25U	1U	1U	1U	21U	20U	1U	1U	1 U	1U	5.1U	5.3U	5.0U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	25U			28U	25U	5U	5U	5U	31U		5U	5U	5 U	5U	20U	21U	20U
4-BROMOPHENYL PHENYL ETHER	null	null	10U			11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	2.0U	2.1U	2.0U
4-CHLORO-3-METHYLPHENOL	510	null	10U			11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.1U	5.3U	5.0U
4-CHLOROANILINE	410	15	10U		BDL	11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.1U	5.3U	5.0U
4-CHLOROPHENYL PHENYL ETHER	null	null	10U			11U	10U	1U	1U	1U	10U	10U	2U	2U	2 U	2U	2.0U	2.1U	2.0U
4-METHYLPHENOL	510000	18	10U	BDL	BDL	11U	10U	2U	2U	2U	10U	10U	2U	2U	2 U	2U			
4-NITROANILINE	5.8	3.3	25U			28U	25U	1U	1U	1U	21U	20U	1U	1U	1 U	1U	5.1U	5.3U	5.0U
4-NITROPHENOL	60000	null	25U			28U	25U	10U	10U	10U	31U	30U	10U	10U	10 U	10U	10U	11U	10U
ACENAPHTHENE	3800	37	10U	BDL	BDL	11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.1U	1.0U
ACENAPHTHYLENE	16000	null	10U		BDL	11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.1U	1.0U
ACETOPHENONE	null	61				11U	10U										2.0U	2.1U	2.0U
ALPHA-NAPHTHYLAMINE	null	null				11U	10U												
ANTHRACENE	66	180	10U	BDL	BDL	11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.1U	1.0U
BENZALDEHYDE	null	370				11U	10U										5.1U	5.3U	5.0U
BENZO(A)ANTHRACENE	11	0.092	10U		BDL	11U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.1U	1.0U
BENZO(A)PYRENE	3.8	0.0092	10U		BDL	11U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.1U	1.0U
BENZO(B)FLUORANTHENE	1.2	0.092	10U		BDL	11U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.1U	1.0U
BENZO(G,H,I)PERYLENE	0.26	null	10U		BDL	11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.1U	1.0U
BENZO(K)FLUORANTHENE	0.55	0.92	10U		BDL	11U	10U	1U	1U	1U	1U	1UJ	1U	1U	1 U	1U	1.0U	1.1U	1.0U
BENZOIC ACID	null	15000		BDL		11U	10U												

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SVOCs (cont.)																			
BIS(2-CHLOROETHOXY)METHANE	null	null	10U		BDL	11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	2.0U	2.1U	2.0U
BIS(2-CHLOROETHYL)ETHER	55	96	10U		BDL	11U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	2.0U	2.1U	2.0U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	10U		8	11U	10U	3J	2U	2U	10U	10U	2U	9	2 U	2U	2.0U	2.7	2.0U
BUTYLBENZYL PHTHALATE	2700	730	10U			11U	10U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.0U	2.1U	2.0U
CAPROLACTAM	null	null				0.2J	10U							1U			2.0U	2.1U	2.0U
CARBAZOLE	1200	3.3	10U	BDL	BDL	11U	10U	1U	1U	1U	10U	10U	1U		1 U	1U	1.0U	1.1U	1.0U
CHRYSENE	1.9	9.2	10U		BDL	11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.1U	1.0U
DI-N-BUTYL PHTHALATE	400000	370	10U		BDL	11U	10U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.0U	2.1U	2.0U
DI-N-OCTYL PHTHALATE	3000	150	10U			11U	10U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.0U	2.1U	2.0U
DIBENZIOTHIOPHENE	null	null				11U	10U												
DIBENZO(A,H)ANTHRACENE	0.6	92	10U		BDL	11U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.1U	1.0U
DIBENZOFURAN	null	1.2	10U	BDL	BDL	11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.1U	5.3U	5.0U
DIETHYL PHTHALATE	1100000	2900	10U		BDL	11U	10U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.0U	1.8J	1.5J
DIMETHYL PHTHALATE	null	37000	10U	BDL	BDL	11U	10U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.0U	3.4	2.0U
DIPHENYLETHER	null	null				11U	10U												
FLUORANTHENE	260	150	10U	BDL	BDL	11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.1U	1.0U
FLUORENE	1900	24	10U	BDL	BDL	11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.1U	1.0U
HEXACHLOROBENZENE	6	0.042	10U			11U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.1U	1.0U
HEXACHLOROBUTADIENE	1000	0.73	10U			11U	10U	1U	1U	1U	2.1U	2U	1U	1U	1 U	1U	1.0U	1.1U	1.0U
HEXACHLOROCYCLOPENTADIENE	1800	22	10U			11U	10U	5U	5U	5U	10U	10UJ	5U	5U	5 U	5U	10U	11U	10U
HEXACHLOROETHANE	100	3.65	10U			11U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	2.0U	2.1U	2.0U
HEXANOIC ACID	null	null				11U	10U												
INDENO(1,2,3-CD)PYRENE	62	0.092	10U		BDL	11U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.1U	1.0U
ISOPHORONE	100000	70	10U			11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	2.0U	2.1U	2.0U
N-EIOCOSANE	null	null				11U	10U												
N-HEXADACANE	null	null				11U	10U												
N-NITROSO-DI-N-PROPYLAMINE	370	96	10U			11U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	2.0U	2.1U	2.0U
N-NITROSODIPHENYLAMINE	35000	14	10U			11U	10U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	5.1U	5.3U	5.0U
N-TETRACDECANE	null	null				11U	10U												
N-TETRACOSANE	null	null				11U	10U												
NAPHTHALENE	30000	0.65	10U	BDL	BDL	11U	10U	1U	1U	1U	8.2	10U	1U	1U	1 U	1U	1.0U	1.0J	1.0U
NITROBENZENE	51000	0.35	10U		BDL	11U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	2.0U	2.1U	2.0U
P-ISOPROPYLTOLUENE	null	null				11U	10U												
PENTACHLOROPHENOL	1000	0.56	25U			28U	25U	3U	3U	3U	31U	30UJ	3U	3U	3 U	3U	10U	11U	10U
PHENANTHRENE	1100	null	10U	BDL	BDL	11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.1U	1.0U
PHENOL	400000	1100	10U	BDL	BDL	.4B	10U	1U	1U	1U	10U	10U	1U	11	1 U	1U	2.0U	2.1U	2.0U
PYRENE	130	18	10U	BDL	BDL	11U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.1U	1.0U
PYRIDINE	null	3.7				11U	10U												
THIANAPHTHENE	null	null				11U	10U												

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-109														
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	3/1/00	8/1/00	9/1/01	12/10/03	6/10/04	6/14/05	8/10/06	6/7/07	6/26/08	6/10/09	6/17/10	6/15/11	6/13/12
VOCs																	
1,1,1-TRICHLOROETHANE	2000	320	10U		10U	100U	1000U	0.8U	0.8U	0.8U	5U	5U	2UJ	0.8U	0.8 U	0.8U	1.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	10U		10U	100U	1000U	1U	1U	1U	1U	1U	2UJ	1U	1 U	1U	1.0U
1,1,2-TRICHLOROETHANE	50	0.19	10U		10U	100U	1000U	0.8U	0.8U	0.8U	3U	3U	2UJ	0.8U	0.8 U	0.8U	1.0U
1,1-DICHLOROETHANE	1100	80	10U		10U	100U	1000U	1U	1U	1U	5U	5U	2UJ	1U	1 U	1U	1.0U
1,1-DICHLOROETHENE	70	35	10U		10U	100U	1000U	0.8U	0.8U	0.8U	2U	2U	2UJ	0.8U	0.8 U	0.8U	1.0U
1,2-DICHLOROETHANE	50	0.12	10U		10U	100U	1000U	1U	1U	1U	2U	2U	2UJ	1U	1 U	1U	1.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	10U		10U	100U	1000U										
1,2-DICHLOROPROPANE	50	0.16	10U		10U	100U	1000U	1U	1U	1U	1U	1U	2UJ	1U	1 U	1U	1.0U
2-BUTANONE	580000	700	10U		10U	100U	1000U	3U	3U	3U	5U	5UJ	6UJ	3U	3 U	3U	10U
2-HEXANONE	null	null	10U		10U	100U	1000U	3U	3U	3U	5U	5UJ	6UJ	3U	3 U	3U	5.0U
4-METHYL-2-PENTANONE	41000	630	10U		10U	100U	1000U	3U	3U	3U	5U	5UJ	6UJ	3U	3 U	3U	5.0U
ACETONE	100000	550	10UJ	BDL	10U	100U	1000U	6R	6U	6U	5U	5U	12UJ	6U	6 U	6U	10U
ALPHA METHYL STYRENE	null	43	BDL	BDL	10U	100U	1000U										
BENZENE	500	0.34	9JN	BDL	10U	100U	1000U	0.5U	0.5U	0.5U	1U	1U	1UJ	0.5U	0.5 U	0.5U	1.0U
BROMODICHLOROMETHANE	100	0.17	10U		10U	100U	1000U	1U	1U	1U	1U	1U	2UJ	1U	1 U	1U	1.0U
BROMOFORM	10000	8.5	10U		10U	100U	1000U	1U	1U	1U	4U	4U	2UJ	1U	1 U	1U	4.0U
BROMOMETHANE	1000	0.85	10U		10U	100U	1000U	1U	1U	1U	5U	5UJ	2UJ	1U	1 U	1U	2.0U
CARBON DISULFIDE	4100	100	10U		10U	100U	1000U	1U	1U	1U	5U	5U	2UJ	1U	1 U	1U	2.0U
CARBON TETRACHLORIDE	50	0.16	10U		10U	100U	1000U	1U	1U	1U	2U	2U	2UJ	1U	1 U	1U	1.0U
CHLOROBENZENE	10000	11	10U	BDL	10U	100U	1000U	0.8U	0.8U	0.8U	5U	5U	2UJ	0.8U	0.8 U	0.8U	1.0U
CHLORODIBROMOMETHANE	10000	0.13	10U		10U	100U	1000U	1U	1U	1U	5U	5U	2UJ	1U	1 U	1U	1.0U
CHLOROETHANE	90000	3.6	10U		10U	100U	1000U	1U	1U	1U	5U	5UJ	2UJ	1U	1 U	1U	1.0U
CHLOROFORM	1000	0.15	10U	BDL	10U	100U	1000U	0.8U	1J	0.8U	5U	5U	2UJ	0.8U	0.8 U	0.8U	0.26J
CHLOROMETHANE	300	19	10U		10U	100U	1000U	1U	1U	1U	5U	5U	2UJ	2J	1 U	1U	1.0U
CIS-1,2-DICHLOROETHENE	700	6.1						0.8U	0.8U	0.8U	5U	5U	2UJ	0.8U	0.8 U	0.8U	1.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	10U		10U	100U	1000U	1U	1U	1U	5U	5U	2UJ	1U	1 U	1U	1.0U
ETHYLBENZENE	70000	130	10U	BDL	10U	100U	1000U	0.8U	0.8U	0.8U	4U	4U	2UJ	0.8U	0.8 U	0.8U	1.0U
ISOPROPYLBENZENE	50000	66	98J	19000	14	1000	8600	16	80	20	4.9J	84	900J	350	1 U	1U	2.0U
METHYL ACETATE	null	null			6J	100U	1000U										5.0U
METHYL TERT-BUTYL ETHER	200	2.6			2J	100U	1000U	0.5U	0.5U	0.5U			1UJ	0.5U	0.5 U	0.5U	1.0U
METHYLCYCLOHEXANE	null	630			10U	100U	1000U										5.0U
METHYLENE CHLORIDE	500	4.1						2U	2U	2U	3U	3U	4UJ	2U	2 U	2U	2.0U
STYRENE	10000	160	10U	BDL	10U	100U	1000U	1U	1U	1U	5U	5U	2UJ	1U	1 U	1U	5.0U
TERT-BUTYL ALCOHOL	null	null						10U	10U	10U			20UJ	10U	22 J	10U	
TETRACHLOROETHENE	50	0.1	10U		10U	100U	1000U	0.8U	0.8U	0.8U	1U	1U	2UJ	0.8U	0.8 U	0.8U	1.0U
TOLUENE	100000	75	10U	BDL	10U	100U	1000U	0.7U	0.7U	0.7U	5U	5U	1UJ	0.70U	0.7 U	0.7U	1.0U
TRANS-1,2-DICHLOROETHENE	1000	12						0.8U	0.8U	0.8U	5U	5U	2UJ	0.8U	0.8 U	0.8U	1.0U
TRANS-1,3-DICHLOROPROPENE	null		10U		10U	100U	1000U	1U	1U	1U	5U	5U	2UJ	1U	1 U	1U	1.0U
TRICHLOROETHENE	50	0.026	10U		10U	100U	1000U	1U	1U	1U	1U	1U	2UJ	1U	1 U	1U	1.0U
TRICHLOROFLUOROMETHANE	200000	130						2U	2U	2U			4UJ	2U	2 U	2U	5.0U
VINYL CHLORIDE	20	0.015	10U		10U	100U	1000U	1U	1U	1U	5U	5U	2UJ	1U	1 U	1U	1.0U
XYLENES, TOTAL	180000	21	10U	BDL	10U	100U	1000U	0.8U	0.8U	0.8U	5U	5U	2UJ	0.8U	0.8 U	0.8U	1.0U

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Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-109														
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	3/1/00	8/1/00	9/1/01	12/10/03	6/10/04	6/14/05	8/10/06	6/7/07	6/26/08	6/10/09	6/17/10	6/15/11	6/13/12
SVOCs	Aquifers																
1,1'-BIPHENYL	null	30			10U	0.3J	500U										1.1U
1,2,4-TRICHLOROBENZENE	44000	0.72	10U		10U	10U	500U	1U	1U	1U	1U		1U	1U	1 U	1U	5.0U
1,2-DICHLOROBENZENE	60000	27	10U		10U	10U	500U	1U	1U	1U	10U		1U	1U	1 U	1U	1.0U
1,3-DICHLOROBENZENE	60000	18	10U		10U	10U	500U	1U	1U	1U	10U		1U	1U	1 U	1U	1.0U
1,4-DICHLOROBENZENE	7500	0.47	10U		10U	10U	500U	1U	1U	1U	10U		1U	1U	1 U	1U	1.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	10U		10U	10U	500U	1U	1U	1U	10U		1U	1U	1 U	1U	2.2U
2,4,5-TRICHLOROPHENOL	1000000	370	25U		25U	25U	1200U	1U	1U	1U	10U		1U			1U	5.6U
2,4,6-TRICHLOROPHENOL	31000	6.1	10U		10U	10U	500U	1U	1U	1U	10U		1U			1U	5.6U
2,4-DICHLOROPHENOL	20000	11	10U		10U	10U	500U	1U	1U	1U	10U		1U			1U	5.6U
2,4-DIMETHYLPHENOL	2000000	73	10U	BDL	10U	10U	500U	1U	1U	3U	10U		3U			3U	5.6U
2,4-DINITROPHENOL	410	7.3	25U		25U	25U	1200U	19U	24U	20U	30U		20U			10U	22U
2,4-DINITROTOLUENE	8400	7.3	10U		10U	10U	500U	1U	1U	1U	2U		1U	1U	1 U	1U	2.2U
2,6-DINITROTOLUENE	100000	3.7	10U		10U	10U	500U	1U	1U	1U	2U		1U	1U	1 U	1U	2.2U
2-CHLORONAPHTHALENE	8200	49	10U		10U	10U	500U	1U	1U	1U	10U		2U	3U	2 U	2U	2.2U
2-CHLOROPHENOL	40	3	10U		10U	10U	500U	1U	1U	1U	10U		1U			1U	5.6U
2-METHYLNAPHTHALENE	2000	2.4	10	BDL	10U	0.3J	500U	1U	1U	1U	10U		1U	1U	1 U	1U	1.1U
2-METHYLPHENOL	510000	180	10U	BDL	10U	10U	500U	1U	1U	1U	10U		1U			1U	2.2U
2-NAPHTHYLAMINE	null	null			10U	10U	500U										
2-NITROANILINE	5.8	11	25U		25U	25U	1200U	1U	1U	1U	20U		1U	1U	1 U	1U	5.6U
2-NITROPHENOL	820000	null	10U		10U	10U	500U	1U	1U	1U	10U		1U			1U	5.6U
3,3'-DICHLOROBENZIDINE	3100	0.15	10U		10U	10U	500U	1U	1U	2U	20U		2U	3U	2 U	2U	5.6U
3-NITROANILINE	5.8	1.1	25U		25U	25U	1200U	1U	1U	1U	20U		1U	1U	1 U	1U	5.6U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	25U		25U	25U	1200U	5U	6U	5U	30U		5U			5U	22U
4-BROMOPHENYL PHENYL ETHER	null	null	10U		10U	10U	500U	1U	1U	1U	10U		1U	1U	1 U	1U	2.2U
4-CHLORO-3-METHYLPHENOL	510	null	10U		10U	10U	500U	1U	1U	1U	10U		1U			1U	5.6U
4-CHLOROANILINE	410	15	10U	BDL	10U	10U	500U	1U	1U	1U	10U		1U	1U	1 U	1U	5.6U
4-CHLOROPHENYL PHENYL ETHER	null	null	10U		10U	10U	500U	1U	1U	1U	10U		2U	3U	2 U	2U	2.2U
4-METHYLPHENOL	510000	18	10U	BDL	10U	10U	500U	2U	2U	2U	10U		2U			2U	
4-NITROANILINE	5.8	3.3	25U		25U	25U	1200U	1U	1U	1U	20U		1U	1U	1 U	1U	5.6U
4-NITROPHENOL	60000	null	25U		25U	25U	1200U	10U	12U	10U	30U		10U			10U	11U
ACENAPHTHENE	3800	37	10U	BDL	0.1J	0.6J	500U	1U	1U	1U	10U		1U	1U	1 U	1U	1.1U
ACENAPHTHYLENE	16000	null	10U	BDL	10U	10U	500U	1U	1U	1U	10U		1U	1U	1 U	1U	1.1U
ACETOPHENONE	null	61			10U	2J	500U										2.2U
ALPHA-NAPHTHYLAMINE	null	null			10U	10U	500U										
ANTHRACENE	66	180	10U	BDL	10U	10U	500U	1U	1U	1U	10U		1U	1U	1 U	1U	1.1U
BENZALDEHYDE	null	370			10U	10U	500U										5.6U
BENZO(A)ANTHRACENE	11	0.092	10U	BDL	10U	10U	500U	1U	1U	1U	1U		1U	1U	1 U	1U	1.1U
BENZO(A)PYRENE	3.8	0.0092	10U	BDL	10U	10U	500U	1U	1U	1U	1U		1U	1U	1 U	1U	1.1U
BENZO(B)FLUORANTHENE	1.2	0.092	10U	BDL	10U	10U	500U	1U	1U	1U	1U		1U	1U	1 U	1U	1.1U
BENZO(G,H,I)PERYLENE	0.26	null	10U	BDL	10U	10U	500U	1U	1U	1U	10U		1U	1U	1 U	1U	1.1U
BENZO(K)FLUORANTHENE	0.55	0.92	10U	BDL	10U	10U	500U	1U	1U	1U	1U		1U	1U	1 U	1U	1.1U
BENZOIC ACID	null	15000			10U	10U	500U										

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WELL ID	Nonuse	USEPA	MW-109														
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	3/1/00	8/1/00	9/1/01	12/10/03	6/10/04	6/14/05	8/10/06	6/7/07	6/26/08	6/10/09	6/17/10	6/15/11	6/13/12
SVOCs (cont.)																	
BIS(2-CHLOROETHOXY)METHANE	null	null	10U	BDL	10U	10U	500U	1U	1U	1U	10U		1U	1U	1 U	1U	2.2U
BIS(2-CHLOROETHYL)ETHER	55	96	10U	BDL	10U	10U	500U	1U	1U	1U	1U		1U	1U	1 U	1U	2.2U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	10U	2J	10U	10U	500U	2U	2U	2U	10U		2U	3U	2 U	3J	2.2U
BUTYLBENZYL PHTHALATE	2700	730	10U		10U	10U	500U	2U	2U	2U	10U		2U	3U	2 U	2U	2.2U
CAPROLACTAM	null	null			10U	10U	500U							1U			2.2U
CARBAZOLE	1200	3.3	10U	BDL	10U	10U	500U	1U	1U	1U	10U		1U		1 U	1U	1.1U
CHRYSENE	1.9	9.2	10U	BDL	10U	10U	500U	1U	1U	1U	10U		1U	1U	1 U	1U	1.1U
DI-N-BUTYL PHTHALATE	400000	370	10U	BDL	10U	10U	500U	2U	2U	2U	10U		2U	3U	2 U	2U	2.2U
DI-N-OCTYL PHTHALATE	3000	150	10U		10U	10U	500U	2U	2U	2U	10U		2U	3U	2 U	2U	2.2U
DIBENZIOTHIOPHENE	null	null			10U	10U	500U										
DIBENZO(A,H)ANTHRACENE	0.6	92	10U	BDL	10U	10U	500U	1U	1U	1U	1U		1U	1U	1 U	1U	1.1U
DIBENZOFURAN	null	1.2	10U	BDL	10U	10U	500U	1U	1U	1U	10U		1U	1U	1 U	1U	5.6U
DIETHYL PHTHALATE	1100000	2900	10U	BDL	10U	10U	500U	2U	2U	2U	10U		2U	3U	2 U	2U	2.2U
DIMETHYL PHTHALATE	null	37000	10U	BDL	10U	10U	500U	2U	2U	2U	10U		2U	3U	2 U	2U	2.2U
DIPHENYLETHER	null	null			10U	10U	500U										
FLUORANTHENE	260	150	10U	BDL	10U	10U	500U	1U	1U	1U	10U		1U	1U	1 U	1U	1.1U
FLUORENE	1900	24	10U	BDL	10U	10U	500U	1U	1U	1U	10U		1U	1U	1 U	1U	1.1U
HEXACHLOROBENZENE	6	0.042	10U		10U	10U	500U	1U	1U	1U	1U		1U	1U	1 U	1U	1.1U
HEXACHLOROBUTADIENE	1000	0.73	10U		10U	10U	500U	1U	1U	1U	2U		1U	1U	1 U	1U	1.1U
HEXACHLOROCYCLOPENTADIENE	1800	22	10U		10U	10U	500U	5U	6U	5U	10U		5U	6U	5 U	5U	11U
HEXACHLOROETHANE	100	3.65	10U		10U	10U	500U	1U	1U	1U	1U		1U	1U	1 U	1U	2.2U
HEXANOIC ACID	null	null			10U	10U	500U										
INDENO(1,2,3-CD)PYRENE	62	0.092	10U	BDL	10U	10U	500U	1U	1U	1U	1U		1U	1U	1 U	1U	1.1U
ISOPHORONE	100000	70	10U		10U	10U	500U	1U	1U	1U	10U		1U	1U	1 U	1U	2.2U
N-EIOCOSANE	null	null			10U	10U	500U										
N-HEXADACANE	null	null			10U	10U	500U										
N-NITROSO-DI-N-PROPYLAMINE	370	96	10U		10U	10U	500U	1U	1U	1U	1U		1U	1U	1 U	1U	2.2U
N-NITROSODIPHENYLAMINE	35000	14	10U		10U	10U	500U	2U	2U	2U	10U		2U	3U	2 U	2U	5.6U
N-TETRACDECANE	null	null			10U	10U	500U										
N-TETRACOSANE	null	null			10U	10U	500U										
NAPHTHALENE	30000	0.65	9J	28	10U	27	5J	1U	1U	1U	10U		1U	1U	1 U	2J	1.4
NITROBENZENE	51000	0.35	10U	BDL	10U	10U	500U	1U	1U	1U	1U		1U	1U	1 U	1U	2.2U
P-ISOPROPYLTOLUENE	null	null			10U	10U	500U										
PENTACHLOROPHENOL	1000	0.56	25U		25U	25U	1200U	3U	4U	3U	30U		3U			3U	11U
PHENANTHRENE	1100	null	10U	BDL	10U	10U	500U	1U	1U	1U	10U		1U	1U	1 U	1U	1.1U
PHENOL	400000	1100	10U	BDL	10U	0.2J	2100	1U	24	1U	10U		1U			1U	2.2U
PYRENE	130	18	10U	BDL	10U	10U	500U	1U	1U	1U	10U		1U	1U	1 U	1U	1.1U
PYRIDINE	null	3.7			10U	10U	500U										
THIANAPHTHENE	null	null			10U	10U	500U										

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	**MW-109**
SAMPLE DATE	Aquifer MSC	RBC	6/6/13
VOCs			
1,1,1-TRICHLOROETHANE	2000	320	1.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	1.0U
1,1,2-TRICHLOROETHANE	50	0.19	1.0U
1,1-DICHLOROETHANE	1100	80	1.0U
1,1-DICHLOROETHENE	70	35	1.0U
1,2-DICHLOROETHANE	50	0.12	1.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	
1,2-DICHLOROPROPANE	50	0.16	1.0U
2-BUTANONE	580000	700	10U
2-HEXANONE	null	null	5.0U
4-METHYL-2-PENTANONE	41000	630	5.0U
ACETONE	100000	550	4.3J
ALPHA METHYL STYRENE	null	43	
BENZENE	500	0.34	1.0U
BROMODICHLOROMETHANE	100	0.17	1.0U
BROMOFORM	10000	8.5	4.0U
BROMOMETHANE	1000	0.85	2.0U
CARBON DISULFIDE	4100	100	2.0U
CARBON TETRACHLORIDE	50	0.16	1.0U
CHLOROBENZENE	10000	11	1.0U
CHLORODIBROMOMETHANE	10000	0.13	1.0U
CHLOROETHANE	90000	3.6	1.0U
CHLOROFORM	1000	0.15	0.22J
CHLOROMETHANE	300	19	1.0U
CIS-1,2-DICHLOROETHENE	700	6.1	1.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	1.0U
ETHYLBENZENE	70000	130	1.0U
ISOPROPYLBENZENE	50000	66	2.0U
METHYL ACETATE	null	null	5.0U
METHYL TERT-BUTYL ETHER	200	2.6	1.0U
METHYLCYCLOHEXANE	null	630	5.0U
METHYLENE CHLORIDE	500	4.1	2.0U
STYRENE	10000	160	5.0U
TERT-BUTYL ALCOHOL	null	null	
TETRACHLOROETHENE	50	0.1	1.0U
TOLUENE	100000	75	1.0U
TRANS-1,2-DICHLOROETHENE	1000	12	1.0U
TRANS-1,3-DICHLOROPROPENE	null		1.0U
TRICHLOROETHENE	50	0.026	1.0U
TRICHLOROFLUOROMETHANE	200000	130	5.0U
VINYL CHLORIDE	20	0.015	1.0U
XYLENES, TOTAL	180000	21	1.0U

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Reviewed by: JJH 9/13/2013

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Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	**MW-109**
SAMPLE DATE	Aquifer MSC	RBC	6/6/13
SVOCs	Aquifers		
1,1'-BIPHENYL	null	30	1.1U
1,2,4-TRICHLOROBENZENE	44000	0.72	5.0U
1,2-DICHLOROBENZENE	60000	27	1.0U
1,3-DICHLOROBENZENE	60000	18	1.0U
1,4-DICHLOROBENZENE	7500	0.47	1.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	2.2U
2,4,5-TRICHLOROPHENOL	1000000	370	5.6U
2,4,6-TRICHLOROPHENOL	31000	6.1	5.6U
2,4-DICHLOROPHENOL	20000	11	5.6U
2,4-DIMETHYLPHENOL	2000000	73	5.6U
2,4-DINITROPHENOL	410	7.3	22U
2,4-DINITROTOLUENE	8400	7.3	2.2U
2,6-DINITROTOLUENE	100000	3.7	2.2U
2-CHLORONAPHTHALENE	8200	49	2.2U
2-CHLOROPHENOL	40	3	5.6U
2-METHYLNAPHTHALENE	2000	2.4	1.1U
2-METHYLPHENOL	510000	180	2.2U
2-NAPHTHYLAMINE	null	null	
2-NITROANILINE	5.8	11	5.6U
2-NITROPHENOL	820000	null	5.6U
3,3'-DICHLOROBENZIDINE	3100	0.15	5.6U
3-NITROANILINE	5.8	1.1	5.6U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	22U
4-BROMOPHENYL PHENYL ETHER	null	null	2.2U
4-CHLORO-3-METHYLPHENOL	510	null	5.6U
4-CHLOROANILINE	410	15	5.6U
4-CHLOROPHENYL PHENYL ETHER	null	null	2.2U
4-METHYLPHENOL	510000	18	
4-NITROANILINE	5.8	3.3	5.6U
4-NITROPHENOL	60000	null	11U
ACENAPHTHENE	3800	37	1.1U
ACENAPHTHYLENE	16000	null	1.1U
ACETOPHENONE	null	61	2.2U
ALPHA-NAPHTHYLAMINE	null	null	
ANTHRACENE	66	180	1.1U
BENZALDEHYDE	null	370	5.6U
BENZO(A)ANTHRACENE	11	0.092	1.1U
BENZO(A)PYRENE	3.8	0.0092	1.1U
BENZO(B)FLUORANTHENE	1.2	0.092	1.1U
BENZO(G,H,I)PERYLENE	0.26	null	1.1U
BENZO(K)FLUORANTHENE	0.55	0.92	1.1U
BENZOIC ACID	null	15000	

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

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Honeywell Resins and Chemicals
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Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-109
SAMPLE DATE	Aquifer MSC	RBC	6/6/13
SVOCs (cont.)			
BIS(2-CHLOROETHOXY)METHANE	null	null	2.2U
BIS(2-CHLOROETHYL)ETHER	55	96	2.2U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	2.2U
BUTYLBENZYL PHTHALATE	2700	730	2.2U
CAPROLACTAM	null	null	2.2U
CARBAZOLE	1200	3.3	1.1U
CHRYSENE	1.9	9.2	1.1U
DI-N-BUTYL PHTHALATE	400000	370	2.2U
DI-N-OCTYL PHTHALATE	3000	150	2.2U
DIBENZIOTHIOPHENE	null	null	
DIBENZO(A,H)ANTHRACENE	0.6	92	1.1U
DIBENZOFURAN	null	1.2	5.6U
DIETHYL PHTHALATE	1100000	2900	2.2U
DIMETHYL PHTHALATE	null	37000	2.2U
DIPHENYLETHER	null	null	
FLUORANTHENE	260	150	1.1U
FLUORENE	1900	24	1.1U
HEXACHLOROBENZENE	6	0.042	1.1U
HEXACHLOROBUTADIENE	1000	0.73	1.1U
HEXACHLOROCYCLOPENTADIENE	1800	22	11U
HEXACHLOROETHANE	100	3.65	2.2U
HEXANOIC ACID	null	null	
INDENO(1,2,3-CD)PYRENE	62	0.092	1.1U
ISOPHORONE	100000	70	2.2U
N-EIOCOSANE	null	null	
N-HEXADACANE	null	null	
N-NITROSO-DI-N-PROPYLAMINE	370	96	2.2U
N-NITROSODIPHENYLAMINE	35000	14	5.6U
N-TETRACDECANE	null	null	
N-TETRACOSANE	null	null	
NAPHTHALENE	30000	0.65	2.6
NITROBENZENE	51000	0.35	2.2U
P-ISOPROPYLTOLUENE	null	null	
PENTACHLOROPHENOL	1000	0.56	11U
PHENANTHRENE	1100	null	1.1U
PHENOL	400000	1100	2.2U
PYRENE	130	18	1.1U
PYRIDINE	null	3.7	
THIANAPHTHENE	null	null	

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Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-110																
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	3/1/00	8/1/00	12/12/03	12/12/03	6/8/04	12/13/04	12/13/04	6/15/05	8/11/06	6/6/07	6/27/08	6/11/09	6/17/10	6/15/11
									DUP			DUP							
VOCs																			
1,1,1-TRICHLOROETHANE	2000	320	10UJ	BDL		250U	500U	4UL	8UL	8U	8U	8U	2U	50U	50U	0.8UJ	0.8U	0.8 U	0.8U
1,1,2,2-TETRACHLOROETHANE	30	0.053	10UJ			250U	500U	5UL	10UL	10U	10U	10U	3U	10U	10U	1UJ	1U	1 U	1U
1,1,2-TRICHLOROETHANE	50	0.19	10UJ			250U	500U	4UL	8UL	8U	8U	8U	2U	30U	30U	0.8UJ	0.8U	0.8 U	0.8U
1,1-DICHLOROETHANE	1100	80	10UJ			250U	500U	5U	10UL	10U	10U	10U	3U	50U	50U	1UJ	1U	1 U	1U
1,1-DICHLOROETHENE	70	35	10UJ	BDL		250U	500U	4UL	8UL	8U	8U	8U	2U	20U	20U	0.8UJ	0.8U	0.8 U	0.8U
1,2-DICHLOROETHANE	50	0.12	10UJ	BDL		250U	500U	5UL	10UL	10U	10U	10U	3U	20U	20U	1UJ	1U	1 U	1U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	5J	BDL		250U	500U												
1,2-DICHLOROPROPANE	50	0.16	10UJ			250U	500U	5UL	10UL	10U	10U	10U	3U	10U	10U	1UJ	1U	1 U	1U
2-BUTANONE	580000	700	10UJ			250U	500U	15UL	30UL	30U	30R	30R	8U	50U	50U	3UJ	3U	3 U	3U
2-HEXANONE	null	null	10UJ			250U	500U	15UL	30UL	30U	30U	30U	8U	50U	50UJ	3UJ	3U	3 U	3U
4-METHYL-2-PENTANONE	41000	630	10UJ			250U	500U	15UL	30UL	30U	30U	30U	8U	50U	50U	3UJ	3U	3 U	3U
ACETONE	100000	550	7B	BDL	17	250U	500U	64J	69J	65J	60R	60R	15UJ	50U	50U	6UJ	6U	6 U	6U
ALPHA METHYL STYRENE	null	43	BDL		BDL	250U	500U												
BENZENE	500	0.34	**670**	**1300**	BDL	**2100**	**4200**	9700L	9000L	**11000**	**8600**	**8300**	**2900**	340	**1200**	0.5UJ	4J	93	55
BROMODICHLOROMETHANE	100	0.17	10UJ			250U	500U	5UL	10UL	10U	10U	10U	3U	10U	10U	1UJ	1U	1 U	1U
BROMOFORM	10000	8.5	10UJ			250U	500U	5UL	10UL	10U	10U	10U	3U	40U	40UJ	1UJ	1U	1 U	1U
BROMOMETHANE	1000	0.85	10UJ			250U	500U	5UL	10UL	10U	10U	10U	3U	50U	50U	1UJ	1U	1 U	1U
CARBON DISULFIDE	4100	100	10UJ			250U	500U	5UL	10UL	10U	10U	10U	3U	50U	50U	1UJ	1U	1 U	1U
CARBON TETRACHLORIDE	50	0.16	10UJ			250U	500U	5UL	10UL	10U	10U	10U	3U	20U	20U	1UJ	1U	1 U	1U
CHLOROBENZENE	10000	11	10UJ	BDL	BDL	250U	500U	4UL	8UL	8U	8U	8U	2U	50U	50U	0.8UJ	0.8U	0.8 U	0.8U
CHLORODIBROMOMETHANE	10000	0.13	10UJ			250U	500U	5U	10UL	10U	10U	10U	3U	50U	50U	1UJ	1U	1 U	1U
CHLOROETHANE	90000	3.6	10UJ			250U	500U	5UL	10UL	10U	10U	10U	3U	50U	50U	1UJ	1U	1 U	1U
CHLOROFORM	1000	0.15	10UJ	BDL	BDL	250U	500U	4UL	8UL	8U	8U	8U	2U	50U	50U	0.8UJ	0.8U	0.8 U	0.8U
CHLOROMETHANE	300	19	10UJ			250U	500U	5UL	10UL	10U	10U	10U	3U	50U	50U	1UJ	1U	1 U	1U
CIS-1,2-DICHLOROETHENE	700	6.1						4U	8UL	8U	8U	8U	2U	50U	50U	0.8UJ	0.8U	5 J	2J
CIS-1,3-DICHLOROPROPENE	null	0.44	10UJ			250U	500U	5UL	10UL	10U	10U	10U	3U	50U	50U	1UJ	1U	1 U	1U
ETHYLBENZENE	70000	130	110J	320	BDL	36J	560	1700L	1700L	1900	860	860	52	40U	24J	0.8UJ	0.8U	0.8 U	0.8U
ISOPROPYLBENZENE	50000	66	130JN	BDL	BDL	1200	1900	2000L	2000L	2300	2000	2000	2000	650	1300	4J	7	26	26
METHYL ACETATE	null	null				250U	500U												
METHYL TERT-BUTYL ETHER	200	2.6			7	250U	500U	7J	7J	6J			3J			0.5J	0.5U	0.5 U	0.5U
METHYLCYCLOHEXANE	null	630				250U	500U												
METHYLENE CHLORIDE	500	4.1						10UL	20UL	20U	20U	20U	5U	30U	30U	2UJ	2U	2 U	2U
STYRENE	10000	160	10UJ	BDL	BDL	250U	500U	5UL	10UL	55	10U	10U	3U	50U	50U	1UJ	1U	1 U	1U
TERT-BUTYL ALCOHOL	null	null						50UL	100UL	100U	100U	100U	25U			10UJ	10U	10 U	10U
TETRACHLOROETHENE	50	0.1	10UJ			250U	500U	4UL	8UL	8U	8U	8U	2U	10U	10U	0.8UJ	0.8U	0.8 U	0.8U
TOLUENE	100000	75	180J	520	BDL	250U	240J	4800L	4400L	5200	1300	1300	6J	50U	4.20J	0.7UJ	0.70U	0.9 J	0.7U
TRANS-1,2-DICHLOROETHENE	1000	12						4UL	8UL	8U	8U	8U	2U	50U	50U	0.8UJ	0.8U	0.8 U	0.8U
TRANS-1,3-DICHLOROPROPENE	null		10UJ			250U	500U	5UL	10UL	10U	10U	10U	3U	50U	50U	1UJ	1U	1 U	1U
TRICHLOROETHENE	50	0.026	10UJ	BDL		250U	500U	5UL	10UL	10U	10U	10U	3U	10U	10U	1UJ	1U	1 U	1U
TRICHLOROFLUOROMETHANE	200000	130						10UL	20UL	20U	20U	20U	5U			2UJ	2U	2 U	2U
VINYL CHLORIDE	20	0.015	10UJ			250U	500U	5UL	10UL	10U	10U	10U	3U	50U	50U	1UJ	1U	1 U	1U
XYLENES, TOTAL	180000	21	380	1500	BDL	160J	1900	5800L	5900L	6100	2900	2900	600	30J	310	0.8UJ	0.8U	9	6

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

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Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-110																
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	3/1/00	8/1/00	12/12/03	12/12/03	6/8/04	12/13/04	12/13/04	6/15/05	8/11/06	6/6/07	6/27/08	6/11/09	6/17/10	6/15/11
SVOCs	Aquifers																		
1,1'-BIPHENYL	null	30				100U	7J												
1,2,4-TRICHLOROBENZENE	44000	0.72	200U			100U	500U	1UJ	1UJ	1U	1U	1U	0.9U	1U	2.10U	1U	1U	1 U	0.9U
1,2-DICHLOROBENZENE	60000	27	200U			100U	500U	1U	1U	1U	1U	1U	0.9U	10U	21U	1U	1U	1 U	0.9U
1,3-DICHLOROBENZENE	60000	18	200U			100U	500U	1U	1U	1U	1U	1U	0.9U	10U	21U	1U	1U	1 U	0.9U
1,4-DICHLOROBENZENE	7500	0.47	200U			100U	500U	1U	1U	1U	1U	1U	0.9U	10U	21U	1U	1U	1 U	0.9U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	200U			100U	500U	1U	1U	1U	1U	1U	0.9U	10U	21U	1U	1U	1 U	0.9U
2,4,5-TRICHLOROPHENOL	1000000	370	500U			260U	500U	1U	1U	1U	1U	1U	0.9U	10U	21U	1U	1U	1 U	0.9U
2,4,6-TRICHLOROPHENOL	31000	6.1	200U			100U	500U	1U	1U	1U	1U	1U	0.9U	10U	21U	1U	1U	1 U	0.9U
2,4-DICHLOROPHENOL	20000	11	200U			100U	500U	1UJ	1UJ	1U	1U	1U	0.9U	10U	21U	1U	1U	1 U	0.9U
2,4-DIMETHYLPHENOL	2000000	73	2200	1400	BDL	320	1950	5400	5800	5400	3400	3700	610	43	380	3U	3U	77	50
2,4-DINITROPHENOL	410	7.3	500UJ			260U	1200U	19UJ	19U	20U	20U	20U	19U	30U	62UJ	21U	22U	10 U	9U
2,4-DINITROTOLUENE	8400	7.3	200U			100U	500U	1U	1U	1U	1U	1U	0.9U	2U	4.20U	1U	1U	1 U	0.9U
2,6-DINITROTOLUENE	100000	3.7	200U			100U	500U	1U	1U	1U	1U	1U	0.9U	2U	4.20U	1U	1U	1 U	0.9U
2-CHLORONAPHTHALENE	8200	49	200U			100U	500U	1U	1U	1U	1U	1U	0.9U	10U	21U	2U	2U	2 U	2U
2-CHLOROPHENOL	40	3	200U			100U	500U	1U	1U	1U	1U	1U	0.9U	10U	21U	1U	1U	1 U	0.9U
2-METHYLNAPHTHALENE	2000	2.4	200U	BDL	BDL	37J	150J	120	140	89	94	90B	54	17	18J	2J	1U	2 J	4J
2-METHYLPHENOL	510000	180	160J	BDL	BDL	100U	110J	690J	730J	710	130	140	0.9U	10U	21U	1U	1U	1 U	0.9U
2-NAPHTHYLAMINE	null	null				100U	500U												
2-NITROANILINE	5.8	11	500U			260U	1200U	1U	1U	1U	1U	1U	0.9U	20U	42U	1U	1U	1 U	0.9U
2-NITROPHENOL	820000	null	200U			100U	500U	1UJ	1UJ	1U	1U	1U	0.9U	10U	21U	1U	1U	1 U	0.9U
3,3'-DICHLOROBENZIDINE	3100	0.15	200U			100U	500U	1U	1U	1U	1U	1U	2U	20U	42U	2U	2U	2 U	2U
3-NITROANILINE	5.8	1.1	500U			260U	1200U	1U	1U	1U	1U	1U	0.9U	20U	42U	1U	1U	1 U	0.9U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	500U			260U	1200U	5U	5U	5U	5U	5U	5U	30U	62U	5U	6U	5 U	5U
4-BROMOPHENYL-PHENYL ETHER	null	null	200U			100U	500U	1U	1U	1U	1U	1U	0.9U	10U	21U	1U	1U	1 U	0.9U
4-CHLORO-3-METHYLPHENOL	510	null	200U			100U	500U	1UJ	1UJ	1U	1U	1U	0.9U	10U	21U	1U	1U	1 U	0.9U
4-CHLOROANILINE	410	15	200U		BDL	100U	500U	1UJ	1UJ	1U	1U	1U	0.9U	10U	21U	1U	1U	1 U	0.9U
4-CHLOROPHENYL PHENYL ETHER	null	null	200U			100U	500U	1U	1U	1U	1U	1U	0.9U	10U	21U	2U	2U	2 U	2U
4-METHYLPHENOL	510000	18	970	530	BDL	100U	155J	3600	3900	3100	620	670	2U	0.2J	21U	2U	2U	2 U	2U
4-NITROANILINE	5.8	3.3	500U			260U	1200U	1U	1U	1U	1U	1U	0.9U	20U	42U	1U	1U	1 U	0.9U
4-NITROPHENOL	60000	null	500U			260U	1200U	10U	10U	10U	10U	10U	9U	30U	62U	10U	11U	10 U	9U
ACENAPHTHENE	3800	37	100J	140J	36	94J	150J	180	190	190	170	160	90	35	54	17	12	40	38
ACENAPHTHYLENE	16000	null	200		BDL	100U		2J	2J	2J	3J	2J	1J	0.4J	0.60J	1U	1U	1 U	0.9U
ACETOPHENONE	null	61				2J	500U												
ALPHA-NAPHTHYLAMINE	null	null				100U	500U												
ANTHRACENE	66	180	200U	BDL	BDL	100U	500U	1U	1U	1U	1U	1U	0.9U	10U	21U	1U	1U	1 U	0.9U
BENZALDEHYDE	null	370				100U	500U												
BENZO(A)ANTHRACENE	11	0.092	200U		BDL	100U	500U	1U	1U	1U	1U	1U	0.9U	1U	2.10U	1U	1U	1 U	0.9U
BENZO(A)PYRENE	3.8	0.0092	200U		BDL	100U	500U	1U	1U	1U	1U	1U	0.9U	1U	2.10U	1U	1U	1 U	0.9U
BENZO(B)FLUORANTHENE	1.2	0.092	200U		BDL	100U	500U	1U	1U	1U	1U	1U	0.9U	1U	2.10U	1U	1U	1 U	0.9U
BENZO(G,H,I)PERYLENE	0.26	null	200U		BDL	100U	500U	1U	1U	1U	1U	1U	0.9U	10U	21U	1U	1U	1 U	0.9U
BENZO(K)FLUORANTHENE	0.55	0.92	200U		BDL	100U	500U	1U	1U	1U	1U	1U	0.9U	1U	2.10U	1U	1U	1 U	0.9U
BENZOIC ACID	null	15000		BDL		100U	500U												

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-110																
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	3/1/00	8/1/00	12/12/03	12/12/03	6/8/04	12/13/04	12/13/04	6/15/05	8/11/06	6/6/07	6/27/08	6/11/09	6/17/10	6/15/11
SVOCs (cont.)																			
BIS(2-CHLOROETHOXY)METHANE	null	null	200U		BDL	100U	500U	1UJ	1UJ	1U	1U	1U	0.9U	10U	21U	1U	1U	1 U	0.9U
BIS(2-CHLOROETHYL)ETHER	55	96	200U		BDL	100U	500U	1U	1U	1U	1U	1U	0.9U	1U	2.10U	1U	1U	1 U	0.9U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	200U		1J	100U	500U	5J	3J	2U	4J	2U	2U	10U	21U	2U	4J	4 J	2J
BUTYLBENZYL PHTHALATE	2700	730	200U			100U	500U	2U	2U	2U	2U	2J	2U	10U	21U	2U	2U	2 U	2U
CAPROLACTAM	null	null				100U	500U										1U		
CARBAZOLE	1200	3.3	200U	BDL	1J	100U	500U	18	20	1U	13	12	8J	10U	21U	1U		1 U	0.9U
CHRYSENE	1.9	9.2	200U		BDL	100U	500U	1U	1U	1U	1U	1U	0.9U	10U	21U	1U	1U	1 U	0.9U
DI-N-BUTYL PHTHALATE	400000	370	200U		1J	100U	500U	2U	2U	2U	2U	2U	2U	10U	21U	2U	2U	2 U	2U
DI-N-OCTYL PHTHALATE	3000	150	200U			100U	500U	2U	2U	2U	2U	2U	2U	10U	21U	2U	2U	2 U	2U
DIBENZIOTHIOPHENE	null	null				100U	500U												
DIBENZO(A,H)ANTHRACENE	0.6	92	200U		BDL	100U	500U	1U	1U	1U	1U	1U	0.9U	1U	2.10U	1U	1U	1 U	0.9U
DIBENZOFURAN	null	1.2	200U	49J	30	86J	120J	150	160	140	200	200	100	28	33	16	6	12	25
DIETHYL PHTHALATE	1100000	2900	200U		BDL	100U	500U	2U	2U	2U	2U	2U	2U	10U	21U	2U	2U	2 U	2U
DIMETHYL PHTHALATE	null	37000	200U	BDL	BDL	100U		2U	2U	2U	2U	2U	2U	10U	21U	2U	2U	2 U	2U
DIPHENYLETHER	null	null				100U	500U												
FLUORANTHENE	260	150	200U	BDL	1J	1J	500U	5J	5J	5J	5J	3J	1J	10U	21U	1U	1U	1 U	0.9U
FLUORENE	1900	24	200U	BDL	12B	15J	36J	71	72	60	75	65	25	5.4J	6.60J	4J	1J	1 J	4J
HEXACHLOROBENZENE	6	0.042	200U			100U	500U	1U	1U	1U	1U	1U	0.9U	1U	2.10U	1U	1U	1 U	0.9U
HEXACHLOROBUTADIENE	1000	0.73	200U			100U	500U	1UJ	1UJ	1U	1U	1U	0.9U	2U	4.20U	1U	1U	1 U	0.9U
HEXACHLOROCYCLOPENTADIENE	1800	22	200U			100U	500U	5U	5U	5U	5U	5U	5U	10U	21U	5U	6U	5 U	5U
HEXACHLOROETHANE	100	3.65	200U			100U	500U	1U	1U	1U	1U	1U	0.9U	1U	2.10U	1U	1U	1 U	0.9U
HEXANOIC ACID	null	null				100U	500U												
INDENO(1,2,3-CD)PYRENE	62	0.092	200U		BDL	100U	500U	1U	1U	1U	1U	1U	0.9U	1U	2.10U	1U	1U	1 U	0.9U
ISOPHORONE	100000	70	200U			100U	500U	1UJ	1UJ	1U	1U	1U	0.9U	10U	21U	1U	1U	1 U	0.9U
N-EIOCOSANE	null	null				100U	500U												
N-HEXADACANE	null	null				100U	500U												
N-NITROSO-DI-N-PROPYLAMINE	370	96	200U			100U	500U	1U	1U	1U	1U	1U	0.9U	1U	2.10U	1U	1U	1 U	0.9U
N-NITROSODIPHENYLAMINE	35000	14	200U			100U	500U	2U	2U	2J	2U	2U	2U	10U	0.90J	2U	2U	2 U	2U
N-TETRACDECANE	null	null				100U	500U												
N-TETRACOSANE	null	null				100U	500U												
NAPHTHALENE	30000	0.65	470	850	4J	64J	2400	1400J	1600J	1100	1500B	1700B	570	73	58	4J	2J	4 J	19
NITROBENZENE	51000	0.35	200U		BDL	100U	500U	1UJ	1UJ	1U	1U	1U	0.9U	1U	2.10U	1U	1U	1 U	0.9U
P-ISOPROPYLTOLUENE	null	null				100U	500U												
PENTACHLOROPHENOL	1000	0.56	500U			260U	1200U	3U	3U	3U	3U	3U	3U	30U	62U	3U	3U	3 U	3U
PHENANTHRENE	1100	null	200U	BDL	2J	5J	12J	31	32	34	30	26	6J	1.8J	1.90J	1U	1U	1 U	0.9U
PHENOL	400000	1100	54J	200J	3J	100U	28J	190	200	110	55	53	3J	4.5J	3.40J	2J	5J	2 J	1J
PYRENE	130	18	200U	BDL	BDL	100U	500U	2J	2J	2J	2J	1J	0.9U	10U	21U	1U	1U	1 U	0.9U
PYRIDINE	null	3.7				100U	500U												
THIANAPHTHENE	null	null				100U	500U												

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-110	
SAMPLE DATE	Aquifer MSC	RBC	6/14/12	6/5/13
VOCs				
1,1,1-TRICHLOROETHANE	2000	320	1.0U	50U
1,1,2,2-TETRACHLOROETHANE	30	0.053	1.0U	50U
1,1,2-TRICHLOROETHANE	50	0.19	1.0U	50U
1,1-DICHLOROETHANE	1100	80	1.0U	50U
1,1-DICHLOROETHENE	70	35	1.0U	50U
1,2-DICHLOROETHANE	50	0.12	1.0U	50U
1,2-DICHLOROETHENE (TOTAL)	null	5.5		
1,2-DICHLOROPROPANE	50	0.16	1.0U	50U
2-BUTANONE	580000	700	10U	500U
2-HEXANONE	null	null	5.0U	250U
4-METHYL-2-PENTANONE	41000	630	5.0U	250U
ACETONE	100000	550	10U	500U
ALPHA METHYL STYRENE	null	43		
BENZENE	500	0.34	141	**11000**
BROMODICHLOROMETHANE	100	0.17	1.0U	50U
BROMOFORM	10000	8.5	4.0U	200U
BROMOMETHANE	1000	0.85	2.0U	100U
CARBON DISULFIDE	4100	100	2.0U	100U
CARBON TETRACHLORIDE	50	0.16	1.0U	50U
CHLOROBENZENE	10000	11	1.0U	50U
CHLORODIBROMOMETHANE	10000	0.13	1.0U	50U
CHLOROETHANE	90000	3.6	1.0U	50U
CHLOROFORM	1000	0.15	1.0U	50U
CHLOROMETHANE	300	19	1.0U	50U
CIS-1,2-DICHLOROETHENE	700	6.1	0.24J	50U
CIS-1,3-DICHLOROPROPENE	null	0.44	1.0U	50U
ETHYLBENZENE	70000	130	0.48J	1300
ISOPROPYLBENZENE	50000	66	99.3	6860
METHYL ACETATE	null	null	5.0U	250U
METHYL TERT-BUTYL ETHER	200	2.6	0.41J	50U
METHYLCYCLOHEXANE	null	630	0.28J	250U
METHYLENE CHLORIDE	500	4.1	2.0U	100U
STYRENE	10000	160	5.0U	250U
TERT-BUTYL ALCOHOL	null	null		
TETRACHLOROETHENE	50	0.1	1.0U	50U
TOLUENE	100000	75	2.8	4190
TRANS-1,2-DICHLOROETHENE	1000	12	1.0U	50U
TRANS-1,3-DICHLOROPROPENE	null		1.0U	50U
TRICHLOROETHENE	50	0.026	1.0U	50U
TRICHLOROFLUOROMETHANE	200000	130	5.0U	250U
VINYL CHLORIDE	20	0.015	1.0U	50U
XYLENES, TOTAL	180000	21	25.5	4680

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-110	
SAMPLE DATE	Aquifer MSC	RBC	6/14/12	6/5/13
SVOCs	Aquifers			
1,1'-BIPHENYL	null	30	1.0U	8.8
1,2,4-TRICHLOROBENZENE	44000	0.72	5.0U	250U
1,2-DICHLOROBENZENE	60000	27	1.0U	50U
1,3-DICHLOROBENZENE	60000	18	1.0U	50U
1,4-DICHLOROBENZENE	7500	0.47	1.0U	50U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	2.0U	2.1U
2,4,5-TRICHLOROPHENOL	1000000	370	5.0U	5.2U
2,4,6-TRICHLOROPHENOL	31000	6.1	5.0U	5.2U
2,4-DICHLOROPHENOL	20000	11	5.0U	5.2U
2,4-DIMETHYLPHENOL	2000000	73	8.7	1420
2,4-DINITROPHENOL	410	7.3	20U	21U
2,4-DINITROTOLUENE	8400	7.3	2.0U	2.1U
2,6-DINITROTOLUENE	100000	3.7	2.0U	2.1U
2-CHLORONAPHTHALENE	8200	49	2.0U	2.1U
2-CHLOROPHENOL	40	3	5.0U	5.2U
2-METHYLNAPHTHALENE	2000	2.4	1.8	9.0
2-METHYLPHENOL	510000	180	2.0U	163
2-NAPHTHYLAMINE	null	null		
2-NITROANILINE	5.8	11	5.0U	5.2U
2-NITROPHENOL	820000	null	5.0U	5.2U
3,3'-DICHLOROBENZIDINE	3100	0.15	5.0U	5.2U
3-NITROANILINE	5.8	1.1	5.0U	5.2U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	20U	21U
4-BROMOPHENYL PHENYL ETHER	null	null	2.0U	2.1U
4-CHLORO-3-METHYLPHENOL	510	null	5.0U	5.2U
4-CHLOROANILINE	410	15	5.0U	5.2U
4-CHLOROPHENYL PHENYL ETHER	null	null	2.0U	2.1U
4-METHYLPHENOL	510000	18		
4-NITROANILINE	5.8	3.3	5.0U	5.2U
4-NITROPHENOL	60000	null	10U	10U
ACENAPHTHENE	3800	37	28.3	33.6
ACENAPHTHYLENE	16000	null	1.0U	1.0U
ACETOPHENONE	null	61	2.0U	2.1U
ALPHA-NAPHTHYLAMINE	null	null		
ANTHRACENE	66	180	1.0U	1.0U
BENZALDEHYDE	null	370	5.0U	5.2U
BENZO(A)ANTHRACENE	11	0.092	1.0U	1.0U
BENZO(A)PYRENE	3.8	0.0092	1.0U	1.0U
BENZO(B)FLUORANTHENE	1.2	0.092	1.0U	1.0U
BENZO(G,H,I)PERYLENE	0.26	null	1.0U	1.0U
BENZO(K)FLUORANTHENE	0.55	0.92	1.0U	1.0U
BENZOIC ACID	null	15000		

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Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-110	
SAMPLE DATE	Aquifer MSC	RBC	6/14/12	6/5/13
SVOCs (cont.)				
BIS(2-CHLOROETHOXY)METHANE	null	null	2.0U	2.1U
BIS(2-CHLOROETHYL)ETHER	55	96	2.0U	2.1U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	2.0U	2.1U
BUTYLBENZYL PHTHALATE	2700	730	2.0U	2.1U
CAPROLACTAM	null	null	2.0U	2.1U
CARBAZOLE	1200	3.3	1.0U	1.0U
CHRYSENE	1.9	9.2	1.0U	1.0U
DI-N-BUTYL PHTHALATE	400000	370	2.0U	2.1U
DI-N-OCTYL PHTHALATE	3000	150	2.0U	2.1U
DIBENZIOTHIOPHENE	null	null		
DIBENZO(A,H)ANTHRACENE	0.6	92	1.0U	1.0U
DIBENZOFURAN	null	1.2	18.5	28.2
DIETHYL PHTHALATE	1100000	2900	2.0U	2.1U
DIMETHYL PHTHALATE	null	37000	2.0U	2.1U
DIPHENYLETHER	null	null		
FLUORANTHENE	260	150	1.0U	0.50J
FLUORENE	1900	24	2	9.3
HEXACHLOROBENZENE	6	0.042	1.0U	1.0U
HEXACHLOROBUTADIENE	1000	0.73	1.0U	1.0U
HEXACHLOROCYCLOPENTADIENE	1800	22	10U	10U
HEXACHLOROETHANE	100	3.65	2.0U	2.1U
HEXANOIC ACID	null	null		
INDENO(1,2,3-CD)PYRENE	62	0.092	1.0U	1.0U
ISOPHORONE	100000	70	2.0U	2.1U
N-EIOCOSANE	null	null		
N-HEXADACANE	null	null		
N-NITROSO-DI-N-PROPYLAMINE	370	96	2.0U	2.1U
N-NITROSODIPHENYLAMINE	35000	14	5.0U	5.2U
N-TETRACDECANE	null	null		
N-TETRACOSANE	null	null		
NAPHTHALENE	30000	0.65	2.4	431
NITROBENZENE	51000	0.35	2.0U	2.1U
P-ISOPROPYLTOLUENE	null	null		
PENTACHLOROPHENOL	1000	0.56	10U	10U
PHENANTHRENE	1100	null	1.0U	0.60J
PHENOL	400000	1100	1.7J	30.7
PYRENE	130	18	1.0U	1.0U
PYRIDINE	null	3.7		
THIANAPHTHENE	null	null		

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-111							
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	3/1/00	8/1/00	9/1/01	12/10/03	6/9/04
VOCs										
1,1,1-TRICHLOROETHANE	2000	320	10U	BDL		10U	10U	10U	0.8U	0.8U
1,1,2,2-TETRACHLOROETHANE	30	0.053	10U			10U	10U	10U	1U	1U
1,1,2-TRICHLOROETHANE	50	0.19	10U			10U	10U	10U	0.8U	0.8U
1,1-DICHLOROETHANE	1100	80	10U			10U	10U	10U	1U	1U
1,1-DICHLOROETHENE	70	35	10U	BDL		10U	10U	10U	0.8U	0.8U
1,2-DICHLOROETHANE	50	0.12	10U	BDL		10U	10U	10U	1U	1U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	10U	BDL		10U	10U	10U		
1,2-DICHLOROPROPANE	50	0.16	10U			10U	10U	10U	1U	1U
2-BUTANONE	580000	700	10U			10U	10U	10U	3R	3U
2-HEXANONE	null	null	10U			10U	10U	10U	3U	3U
4-METHYL-2-PENTANONE	41000	630	10U			10U	10U	10U	3U	3U
ACETONE	100000	550	5B	BDL	BDL	10U	10U	10U	6R	6R
ALPHA METHYL STYRENE	null	43	BDL		BDL	10U	10U	10U		
BENZENE	500	0.34	10U	BDL	BDL	10U	10U	10U	0.5U	0.5U
BROMODICHLOROMETHANE	100	0.17	10U			10U	10U	10U	1U	1U
BROMOFORM	10000	8.5	10U			10U	10U	10U	1U	1U
BROMOMETHANE	1000	0.85	10U			10U	10U	10U	1U	1U
CARBON DISULFIDE	4100	100	10U			10U	10U	10U	1U	1U
CARBON TETRACHLORIDE	50	0.16	10U			10U	10U	10U	1U	1U
CHLOROBENZENE	10000	11	10U	BDL	BDL	10U	10U	10U	0.8U	0.8U
CHLORODIBROMOMETHANE	10000	0.13	10U			10U	10U	10U	1U	1U
CHLOROETHANE	90000	3.6	10U			10U	10U	10U	1U	1U
CHLOROFORM	1000	0.15	10U	BDL	BDL	10U	10U	10U	0.8U	0.8U
CHLOROMETHANE	300	19	10U			10U	10U	10U	1U	1U
CIS-1,2-DICHLOROETHENE	700	6.1							0.8U	0.8U
CIS-1,3-DICHLOROPROPENE	null	0.44	10U			10U	10U	10U	1U	1U
ETHYLBENZENE	70000	130	10U	BDL	BDL	10U	10U	10U	0.8U	0.8U
ISOPROPYLBENZENE	50000	66	BDL	BDL	BDL	10U	10U	10U	1U	5J
METHYL ACETATE	null	null				4J	10U	10U		
METHYL TERT-BUTYL ETHER	200	2.6				10U	10U	10U	0.5U	0.5U
METHYLCYCLOHEXANE	null	630				10U	10U	10U		
METHYLENE CHLORIDE	500	4.1							2U	2U
STYRENE	10000	160	10U	BDL	BDL	10U	10U	10U	1U	1U
TERT-BUTYL ALCOHOL	null	null							10U	10U
TETRACHLOROETHENE	50	0.1	10U			10U	10U	10U	0.8U	0.8U
TOLUENE	100000	75	10U	BDL	BDL	10U	10U	10U	0.7U	0.7U
TRANS-1,2-DICHLOROETHENE	1000	12							0.8U	0.8U
TRANS-1,3-DICHLOROPROPENE	null		10U			10U	10U	10U	1U	1U
TRICHLOROETHENE	50	0.026	10U	BDL		10U	10U	10U	1U	1U
TRICHLOROFLUOROMETHANE	200000	130							2U	2U
VINYL CHLORIDE	20	0.015	10U			10U	10U	10U	1U	1U
XYLENES, TOTAL	180000	21	10U	BDL	BDL	10U	10U	10U	0.8U	0.8U

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-111							
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	3/1/00	8/1/00	9/1/01	12/10/03	6/9/04
SVOCs	Aquifers									
1,1'-BIPHENYL	null	30				10U	0.1J	10U		
1,2,4-TRICHLOROBENZENE	44000	0.72	10U			10U	10U	10U	1U	1U
1,2-DICHLOROBENZENE	60000	27	10U			10U	10U	10U	1U	1U
1,3-DICHLOROBENZENE	60000	18	10U			10U	10U	10U	1U	1U
1,4-DICHLOROBENZENE	7500	0.47	10U			10U	10U	10U	1U	1U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	10U			10U	10U	10U	1U	1U
2,4,5-TRICHLOROPHENOL	1000000	370	25U			25U	25U	25U	1U	1U
2,4,6-TRICHLOROPHENOL	31000	6.1	10U			10U	10U	10U	1U	1U
2,4-DICHLOROPHENOL	20000	11	10U			10U	10U	10U	1U	1U
2,4-DIMETHYLPHENOL	2000000	73	10U	BDL	10	10U	10U	10U	1U	1U
2,4-DINITROPHENOL	410	7.3	25U			25U	25U	25U	25U	20U
2,4-DINITROTOLUENE	8400	7.3	10U			10U	10U	10U	1U	1U
2,6-DINITROTOLUENE	100000	3.7	10U			10U	10U	10U	1U	1U
2-CHLORONAPHTHALENE	8200	49	10U			10U	10U	10U	1U	1U
2-CHLOROPHENOL	40	3	10U			10U	10U	10U	1U	1U
2-METHYLNAPHTHALENE	2000	2.4	10U	BDL	BDL	10U	0.1J	0.3J	1U	1U
2-METHYLPHENOL	510000	180	10U	BDL	9	10U	10U	10U	1U	1U
2-NAPHTHYLAMINE	null	null				10U	10U	10U		
2-NITROANILINE	5.8	11	25U			25U	25U	25U	1U	1U
2-NITROPHENOL	820000	null	10U			10U	10U	10U	1U	1U
3,3'-DICHLOROBENZIDINE	3100	0.15	10U			10U	10U	10U	1U	1U
3-NITROANILINE	5.8	1.1	25U			25U	25U	25U	1U	1U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	25U			25U	25U	25U	6U	5U
4-BROMOPHENYL PHENYL ETHER	null	null	10U			10U	10U	10U	1U	1U
4-CHLORO-3-METHYLPHENOL	510	null	10U			10U	10U	10U	1U	1U
4-CHLOROANILINE	410	15	10U		BDL	10U	10U	10U	1U	1U
4-CHLOROPHENYL PHENYL ETHER	null	null	10U			10U	10U	10U	1U	1U
4-METHYLPHENOL	510000	18	10U	BDL	18	10U	10U	10U	2U	2U
4-NITROANILINE	5.8	3.3	25U			25U	25U	25U	1U	1U
4-NITROPHENOL	60000	null	25U			25U	25U	25U	12U	10U
ACENAPHTHENE	3800	37	10U	BDL	6J	10U	10U	0.2J	1U	1U
ACENAPHTHYLENE	16000	null	10U		1J	10U	10U	10U	1U	1U
ACETOPHENONE	null	61				0.1J	10U	0.2J		
ALPHA-NAPHTHYLAMINE	null	null				10U	10U	10U		
ANTHRACENE	66	180	10U	BDL	6J	0.1J	0.1J	0.2J	1J	1U
BENZALDEHYDE	null	370				10U	10U	0.1J		
BENZO(A)ANTHRACENE	11	0.092	10U		10	0.2J	0.2J	0.2J	2J	1U
BENZO(A)PYRENE	3.8	0.0092	10U		**10**	0.1J	10U	0.2J	2J	1U
BENZO(B)FLUORANTHENE	1.2	0.092	10U		**13**	10U	10U	10U	**3J**	1J
BENZO(G,H,I)PERYLENE	0.26	null	10U		**6J**	10U	10U	0.1J	**2J**	1U
BENZO(K)FLUORANTHENE	0.55	0.92	10U		**13**	10U	10U	0.1J	**1J**	1U
BENZOIC ACID	null	15000		BDL		10U	10U	10U		

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Reviewed by: JJH 9/13/2013

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Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-111							
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	3/1/00	8/1/00	9/1/01	12/10/03	6/9/04
SVOCs (cont.)										
BIS(2-CHLOROETHOXY)METHANE	null	null	10U		BDL	10U	10U	10U	1U	1U
BIS(2-CHLOROETHYL)ETHER	55	96	10U		BDL	10U	10U	10U	1U	1U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	10U		36	10U	10U	10U	7J	3J
BUTYLBENZYL PHTHALATE	2700	730	10U			10U	10U	10U	2U	2U
CAPROLACTAM	null	null				0.1J	0.2J	10U		
CARBAZOLE	1200	3.3	10U	BDL	4J	10U	10U	10U	1U	1U
CHRYSENE	1.9	9.2	10U		12	0.1J	0.1J	0.2J	2J	1U
DI-N-BUTYL PHTHALATE	400000	370	10U		3J	0.3B	10U	10U	2U	2U
DI-N-OCTYL PHTHALATE	3000	150	10U			10U	10U	10U	2U	2U
DIBENZIOTHIOPHENE	null	null				10U	10U	10U		
DIBENZO(A,H)ANTHRACENE	0.6	92	10U		4J	10U	10U	10U	1U	1U
DIBENZOFURAN	null	1.2	10U	BDL	8J	10U	10U	0.2J	1U	1U
DIETHYL PHTHALATE	1100000	2900	10U		BDL	10U	10U	10U	2U	2U
DIMETHYL PHTHALATE	null	37000	10U	BDL	BDL	10U	10U	10U	2U	2U
DIPHENYLETHER	null	null				10U	10U	10U		
FLUORANTHENE	260	150	10U	BDL	23	0.4J	0.3J	0.5J	4J	2J
FLUORENE	1900	24	10U	BDL	4JB	10U	10U	10U	1U	1U
HEXACHLOROBENZENE	6	0.042	10U			10U	10U	10U	1U	1U
HEXACHLOROBUTADIENE	1000	0.73	10U			10U	10U	10U	1U	1U
HEXACHLOROCYCLOPENTADIENE	1800	22	10U			10U	10U	10U	6U	5U
HEXACHLOROETHANE	100	3.65	10U			10U	10U	10U	1U	1U
HEXANOIC ACID	null	null				10U	10U	10U		
INDENO(1,2,3-CD)PYRENE	62	0.092	10U		6J	10U	10U	0.1J	2J	1U
ISOPHORONE	100000	70	10U			10U	10U	10U	1U	1U
N-EIOCOSANE	null	null				10U	10U	10U		
N-HEXADACANE	null	null				10U	10U	10U		
N-NITROSO-DI-N-PROPYLAMINE	370	96	10U			10U	10U	10U	1U	1U
N-NITROSODIPHENYLAMINE	35000	14	10U			10U	10U	10U	2U	2U
N-TETRACDECANE	null	null				10U	10U	10U		
N-TETRACOSANE	null	null				10U	10U	10U		
NAPHTHALENE	30000	0.65	10U	BDL	59	0.3J	0.3J	1J	2J	1U
NITROBENZENE	51000	0.35	10U		BDL	10U	10U	10U	1U	1U
P-ISOPROPYLTOLUENE	null	null				10U	10U	10U		
PENTACHLOROPHENOL	1000	0.56	25U			25U	25U	25U	4U	3U
PHENANTHRENE	1100	null	10U	BDL	21	0.2J	0.2J	0.5J	3J	1J
PHENOL	400000	1100	10U	BDL	130	0.4J	10U	0.3J	1U	1U
PYRENE	130	18	10U	BDL	29	0.3J	0.2J	0.4J	4J	1J
PYRIDINE	null	3.7				10U	10U	10U		
THIANAPHTHENE	null	null				10U	10U	10U		

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Reviewed by: JJH 9/13/2013

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Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-112																
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	3/1/00	8/1/00	9/1/01	12/12/03	6/7/04	12/13/04	6/14/05	8/11/06	6/6/07	6/27/08	6/12/09	6/17/10	6/15/11	6/13/12
VOCs																			
1,1,1-TRICHLOROETHANE	2000	320	10U	BDL		10U	10U	10U	0.8UL	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	10U			10U	10U	10U	1UL	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U
1,1,2-TRICHLOROETHANE	50	0.19	10U			10U	10U	10U	0.8UL	0.8U	0.8U	0.8U	3U	3U	0.8UJ	0.8U	0.8 U	0.8U	1.0U
1,1-DICHLOROETHANE	1100	80	10U			10U	10U	10U	1UL	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U
1,1-DICHLOROETHENE	70	35	10U	BDL		10U	10U	10U	0.8UL	0.8U	0.8U	0.8U	2U	2U	0.8UJ	0.8U	0.8 U	0.8U	1.0U
1,2-DICHLOROETHANE	50	0.12	6B	BDL		10U	10U	10U	1UL	1U	1U	1U	2U	2U	1UJ	1U	1 U	1U	1.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	10U	BDL		10U	10U	10U											
1,2-DICHLOROPROPANE	50	0.16	10U			10U	10U	10U	1UL	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U
2-BUTANONE	580000	700	10U			10U	10U	10U	3UL	3U	3R	3U	5U	5UJ	3UJ	3U	3 U	3U	10U
2-HEXANONE	null	null	10U			10U	10U	10U	3UL	3U	3U	3U	5U	5UJ	3UJ	3U	3 U	3U	5.0U
4-METHYL-2-PENTANONE	41000	630	10U			10U	10U	10U	3UL	3U	3U	3U	5U	5UJ	3UJ	3U	3 U	3U	5.0U
ACETONE	100000	550	10U	BDL	BDL	10U	10U	10	6UL	6U	6R	6U	5U	5U	6UJ	6U	6 U	6U	10U
ALPHA METHYL STYRENE	null	43	BDL		BDL	10U	10U	10U											
BENZENE	500	0.34	10U	BDL	BDL	10U	10U	10U	0.5UL	0.5U	3B	0.5U	1U	1U	0.5UJ	0.5U	0.5 U	0.5U	1.0U
BROMODICHLOROMETHANE	100	0.17	10U			10U	10U	10U	1UL	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U
BROMOFORM	10000	8.5	10U			10U	10U	10U	1UL	1U	1U	1U	4U	4U	1UJ	1U	1 U	1U	4.0U
BROMOMETHANE	1000	0.85	10U			10U	10U	10U	1UL	1U	1U	1U	5U	5UJ	1UJ	1U	1 U	1U	2.0U
CARBON DISULFIDE	4100	100	10UJ			10U	10U	10U	1UL	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	2.0U
CARBON TETRACHLORIDE	50	0.16	10U			10U	10U	10U	1UL	1U	1U	1U	2U	2U	1UJ	1U	1 U	1U	1.0U
CHLOROBENZENE	10000	11	10U	BDL	BDL	10U	10U	10U	0.8UL	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U
CHLORODIBROMOMETHANE	10000	0.13	10U			10U	10U	10U	1UL	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U
CHLOROETHANE	90000	3.6	10U			10U	10U	10U	1UL	1U	1U	1U	5U	5UJ	1UJ	1U	1 U	1U	1.0U
CHLOROFORM	1000	0.15	10U	BDL	BDL	2J	10U	10U	0.8UL	0.8J	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U
CHLOROMETHANE	300	19	10U			10U	10U	10U	1UL	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U
CIS-1,2-DICHLOROETHENE	700	6.1							0.8UL	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	10U			10U	10U	10U	1UL	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U
ETHYLBENZENE	70000	130	10U	BDL	BDL	10U	10U	10U	0.8UL	0.8U	2B	0.8U	4U	4U	0.8UJ	0.8U	0.8 U	0.8U	1.0U
ISOPROPYLBENZENE	50000	66	BDL	BDL	BDL	10U	10U	10U	1UL	1U	1U	1J	1.5J	5U	1UJ	1U	1 U	1U	0.50J
METHYL ACETATE	null	null				10U	10U	10U											5.0U
METHYL TERT-BUTYL ETHER	200	2.6				10U	0.6J	0.8J	0.5UL	0.5J		0.5U			0.5UJ	0.5U	0.5 U	0.5U	1.0U
METHYLCYCLOHEXANE	null	630				10U	10U	10U											5.0U
METHYLENE CHLORIDE	500	4.1							2UL	2U	2U	2U	3U	3U	2UJ	2U	2 U	2U	2.0U
STYRENE	10000	160	10U	BDL	BDL	10U	10U	10U	1UL	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	5.0U
TERT-BUTYL ALCOHOL	null	null							10UL	10U	10U	10U			10UJ	10U	10 U	10U	
TETRACHLOROETHENE	50	0.1	10U			10U	10U	10U	0.8UL	0.8U	0.8U	0.8U	1U	1U	0.8UJ	0.8U	0.8 U	0.8U	1.0U
TOLUENE	100000	75	7J	BDL	BDL	10U	10U	10U	0.7UL	0.7U	8B	0.7U	5U	5U	0.7UJ	0.70U	0.7 U	0.7U	1.0U
TRANS-1,2-DICHLOROETHENE	1000	12							0.8UL	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U
TRANS-1,3-DICHLOROPROPENE	null		10U			10U	10U	10U	1UL	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U
TRICHLOROETHENE	50	0.026	10U	BDL		10U	10U	10U	1UL	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U
TRICHLOROFLUOROMETHANE	200000	130							2UL	2U	2U	2U			2UJ	2U	2 U	2U	5.0U
VINYL CHLORIDE	20	0.015	10U			10U	10U	10U	1UL	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U
XYLENES, TOTAL	180000	21	10U	BDL	BDL	10U	10U	10U	0.8UL	0.8U	11B	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U

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Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-112																
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	3/1/00	8/1/00	9/1/01	12/12/03	6/7/04	12/13/04	6/14/05	8/11/06	6/6/07	6/27/08	6/12/09	6/17/10	6/15/11	6/13/12
SVOCs	Aquifers																		
1,1'-BIPHENYL	null	30				10U	10U	10U											1.1U
1,2,4-TRICHLOROBENZENE	44000	0.72	10U			10U	10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	5.0U
1,2-DICHLOROBENZENE	60000	27	10U			10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U
1,3-DICHLOROBENZENE	60000	18	10U			10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U
1,4-DICHLOROBENZENE	7500	0.47	10U			10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	10U			10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	2.2U
2,4,5-TRICHLOROPHENOL	1000000	370	25U			26U	25U	25U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.4U
2,4,6-TRICHLOROPHENOL	31000	6.1	10U			10U	10U	10U	1U	1U	1U	1U	10U	10UJ	1U	1U	1 U	1U	5.4U
2,4-DICHLOROPHENOL	20000	11	10U			10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.4U
2,4-DIMETHYLPHENOL	2000000	73	10U	BDL	BDL	10U	10U	10U	1U	1U	1U	3U	10U	10U	3U	3U	3 U	3U	5.4U
2,4-DINITROPHENOL	410	7.3	25UJ			26U	25U	25U	19U	20U	19U	19U	30U		19U	22U	10 U	10U	22U
2,4-DINITROTOLUENE	8400	7.3	10U			10U	10U	10U	1U	1U	1U	1U	2U	2U	1U	1U	1 U	1U	2.2U
2,6-DINITROTOLUENE	100000	3.7	10U			10U	10U	10U	1U	1U	1U	1U	2U	2U	1U	1U	1 U	1U	2.2U
2-CHLORONAPHTHALENE	8200	49	10U			10U	10U	10U	1U	1U	1U	1U	10U	10U	2U	2U	2 U	2U	2.2U
2-CHLOROPHENOL	40	3	10U			10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.4U
2-METHYLNAPHTHALENE	2000	2.4	10U	BDL	1J	10U	10U	10U	1U	1U	2B	1U	10U	10U	1U	1U	1 U	1U	1.1U
2-METHYLPHENOL	510000	180	10U	BDL	BDL	10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	2.2U
2-NAPHTHYLAMINE	null	null				10U	10U	10U											
2-NITROANILINE	5.8	11	25U			26U	25U	25U	1U	1U	1U	1U	20U	20U	1U	1U	1 U	1U	5.4U
2-NITROPHENOL	820000	null	10U			10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.4U
3,3'-DICHLOROBENZIDINE	3100	0.15	10U			10U	10U	10U	1U	1U	1U	2U	20U	20U	2U	2U	2 U	2U	5.4U
3-NITROANILINE	5.8	1.1	25U			26U	25U	25U	1U	1U	1U	1U	20U	20U	1U	1U	1 U	1U	5.4U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	25U			26U	25U	25U	5U	5U	5U	5U	30U		5U	6U	5 U	5U	22U
4-BROMOPHENYL PHENYL ETHER	null	null	10U			10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	2.2U
4-CHLORO-3-METHYLPHENOL	510	null	10U			10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.4U
4-CHLOROANILINE	410	15	10U		BDL	10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.4U
4-CHLOROPHENYL PHENYL ETHER	null	null	10U			10U	10U	10U	1U	1U	1U	1U	10U	10U	2U	2U	2 U	2U	2.2U
4-METHYLPHENOL	510000	18	10U	BDL	BDL	10U	10U	10U	2U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	
4-NITROANILINE	5.8	3.3	25U			26U	25U	25U	1U	1U	1U	1U	20U	20U	1U	1U	1 U	1U	5.4U
4-NITROPHENOL	60000	null	25U			26U	25U	25U	10U	10U	10U	10U	30U	31U	10U	11U	10 U	10U	11U
ACENAPHTHENE	3800	37	10U	BDL	BDL	10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.1U
ACENAPHTHYLENE	16000	null	10U		BDL	10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.1U
ACETOPHENONE	null	61				10U	10U	10U											2.2U
ALPHA-NAPHTHYLAMINE	null	null				10U	10U	10U											
ANTHRACENE	66	180	10U	BDL	BDL	10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.1U
BENZALDEHYDE	null	370				10U	10U	0.1J											5.4U
BENZO(A)ANTHRACENE	11	0.092	10U		BDL	10U	10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.1U
BENZO(A)PYRENE	3.8	0.0092	10U		BDL	10U	10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.1U
BENZO(B)FLUORANTHENE	1.2	0.092	10U		BDL	10U	10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.1U
BENZO(G,H,I)PERYLENE	0.26	null	10U		BDL	10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.1U
BENZO(K)FLUORANTHENE	0.55	0.92	10U		BDL	10U	10U	10U	1U	1U	1U	1U	1U	1UJ	1U	1U	1 U	1U	1.1U
BENZOIC ACID	null	15000		BDL		10U	10U	10U											

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-112																
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	3/1/00	8/1/00	9/1/01	12/12/03	6/7/04	12/13/04	6/14/05	8/11/06	6/6/07	6/27/08	6/12/09	6/17/10	6/15/11	6/13/12
SVOCs (cont.)																			
BIS(2-CHLOROETHOXY)METHANE	null	null	10U		BDL	10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	2.2U
BIS(2-CHLOROETHYL)ETHER	55	96	10U		BDL	10U	10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	2.2U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	10U		1J	0.6B	2B	10U	2U	2U	2U	2U	10U	10U	2U	3J	2 U	2U	2.2U
BUTYLBENZYL PHTHALATE	2700	730	10U			10U	10U	10U	2U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.2U
CAPROLACTAM	null	null				10U	0.4J	10U								1U			2.2U
CARBAZOLE	1200	3.3	10U	BDL	BDL	10U	10U	10U	1U	1U	1U	1U	10U	10U	1U		1 U	1U	1.1U
CHRYSENE	1.9	9.2	10U		BDL	10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.1U
DI-N-BUTYL PHTHALATE	400000	370	10U		1J	10U	10U	10U	2U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.2U
DI-N-OCTYL PHTHALATE	3000	150	10U			10U	10U	10U	2U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.2U
DIBENZIOTHIOPHENE	null	null				10U	10U	10U											
DIBENZO(A,H)ANTHRACENE	0.6	92	10U		BDL	10U	10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.1U
DIBENZOFURAN	null	1.2	10U	BDL	BDL	10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.4U
DIETHYL PHTHALATE	1100000	2900	10U		BDL	10U	10U	10U	2U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.2U
DIMETHYL PHTHALATE	null	37000	10U	BDL	BDL	10U	10U	10U	2U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.2U
DIPHENYLETHER	null	null				10U	10U	10U											
FLUORANTHENE	260	150	10U	BDL	BDL	0.2J	0.1J	0.1J	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.1U
FLUORENE	1900	24	10U	BDL	BDL	10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.1U
HEXACHLOROBENZENE	6	0.042	10U			10U	10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.1U
HEXACHLOROBUTADIENE	1000	0.73	10U			10U	10U	10U	1U	1U	1U	1U	2U	2U	1U	1U	1 U	1U	1.1U
HEXACHLOROCYCLOPENTADIENE	1800	22	10U			10U	10U	10U	5U	5U	5U	5U	10U	10UJ	5U	6U	5 U	5U	11U
HEXACHLOROETHANE	100	3.65	10U			10U	10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	2.2U
HEXANOIC ACID	null	null				10U	10U	10U											
INDENO(1,2,3-CD)PYRENE	62	0.092	10U		BDL	10U	10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.1U
ISOPHORONE	100000	70	10U			10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	2.2U
N-EIOCOSANE	null	null				10U	10U	10U											
N-HEXADACANE	null	null				10U	10U	10U											
N-NITROSO-DI-N-PROPYLAMINE	370	96	10U			10U	10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	2.2U
N-NITROSODIPHENYLAMINE	35000	14	10U			10U	10U	10U	2U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	5.4U
N-TETRACDECANE	null	null				10U	10U	10U											
N-TETRACOSANE	null	null				10U	10U	10U											
NAPHTHALENE	30000	0.65	10U	BDL	9	10U	10U	10U	1U	1U	22	1U	10U	10U	1U	1U	1 U	1U	1.1U
NITROBENZENE	51000	0.35	10U		BDL	10U	10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	2.2U
P-ISOPROPYLTOLUENE	null	null				10U	10U	10U											
PENTACHLOROPHENOL	1000	0.56	25U			26U	25U	25U	3U	3U	3U	3U	30U	31UJ	3U	3U	3 U	3U	11U
PHENANTHRENE	1100	null	10U	BDL	BDL	10U	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.1U
PHENOL	400000	1100	10U	BDL	BDL	10U	.2B	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	2.2U
PYRENE	130	18	10U	BDL	BDL	0.2J	0.2J	0.3J	1U	1J	1U	1U	10U	10U	1U	1U	1 U	1U	1.1U
PYRIDINE	null	3.7				10U	10U	10U											
THIANAPHTHENE	null	null				10U	10U	10U											

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	**MW-112**
SAMPLE DATE	Aquifer MSC	RBC	6/6/13
VOCs			
1,1,1-TRICHLOROETHANE	2000	320	1.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	1.0U
1,1,2-TRICHLOROETHANE	50	0.19	1.0U
1,1-DICHLOROETHANE	1100	80	1.0U
1,1-DICHLOROETHENE	70	35	1.0U
1,2-DICHLOROETHANE	50	0.12	1.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	
1,2-DICHLOROPROPANE	50	0.16	1.0U
2-BUTANONE	580000	700	10U
2-HEXANONE	null	null	5.0U
4-METHYL-2-PENTANONE	41000	630	5.0U
ACETONE	100000	550	10U
ALPHA METHYL STYRENE	null	43	
BENZENE	500	0.34	1.0U
BROMODICHLOROMETHANE	100	0.17	1.0U
BROMOFORM	10000	8.5	4.0U
BROMOMETHANE	1000	0.85	2.0U
CARBON DISULFIDE	4100	100	2.0U
CARBON TETRACHLORIDE	50	0.16	1.0U
CHLOROBENZENE	10000	11	1.0U
CHLORODIBROMOMETHANE	10000	0.13	1.0U
CHLOROETHANE	90000	3.6	1.0U
CHLOROFORM	1000	0.15	1.0U
CHLOROMETHANE	300	19	1.0U
CIS-1,2-DICHLOROETHENE	700	6.1	1.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	1.0U
ETHYLBENZENE	70000	130	1.0U
ISOPROPYLBENZENE	50000	66	0.66J
METHYL ACETATE	null	null	5.0U
METHYL TERT-BUTYL ETHER	200	2.6	1.0U
METHYLCYCLOHEXANE	null	630	5.0U
METHYLENE CHLORIDE	500	4.1	2.0U
STYRENE	10000	160	5.0U
TERT-BUTYL ALCOHOL	null	null	
TETRACHLOROETHENE	50	0.1	1.0U
TOLUENE	100000	75	1.0U
TRANS-1,2-DICHLOROETHENE	1000	12	1.0U
TRANS-1,3-DICHLOROPROPENE	null		1.0U
TRICHLOROETHENE	50	0.026	1.0U
TRICHLOROFLUOROMETHANE	200000	130	5.0U
VINYL CHLORIDE	20	0.015	1.0U
XYLENES, TOTAL	180000	21	1.0U

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Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-112
SAMPLE DATE	Aquifer MSC	RBC	6/6/13
SVOCs (cont.)			
BIS(2-CHLOROETHOXY)METHANE	null	null	2.0U
BIS(2-CHLOROETHYL)ETHER	55	96	2.0U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	2.0U
BUTYLBENZYL PHTHALATE	2700	730	2.0U
CAPROLACTAM	null	null	2.0U
CARBAZOLE	1200	3.3	1.0U
CHRYSENE	1.9	9.2	1.0U
DI-N-BUTYL PHTHALATE	400000	370	2.0U
DI-N-OCTYL PHTHALATE	3000	150	2.0U
DIBENZIOTHIOPHENE	null	null	
DIBENZO(A,H)ANTHRACENE	0.6	92	1.0U
DIBENZOFURAN	null	1.2	5.0U
DIETHYL PHTHALATE	1100000	2900	1.5J
DIMETHYL PHTHALATE	null	37000	2.0U
DIPHENYLETHER	null	null	
FLUORANTHENE	260	150	1.0U
FLUORENE	1900	24	1.0U
HEXACHLOROBENZENE	6	0.042	1.0U
HEXACHLOROBUTADIENE	1000	0.73	1.0U
HEXACHLOROCYCLOPENTADIENE	1800	22	10U
HEXACHLOROETHANE	100	3.65	2.0U
HEXANOIC ACID	null	null	
INDENO(1,2,3-CD)PYRENE	62	0.092	1.0U
ISOPHORONE	100000	70	2.0U
N-EIOCOSANE	null	null	
N-HEXADACANE	null	null	
N-NITROSO-DI-N-PROPYLAMINE	370	96	2.0U
N-NITROSODIPHENYLAMINE	35000	14	5.0U
N-TETRACDECANE	null	null	
N-TETRACOSANE	null	null	
NAPHTHALENE	30000	0.65	2.5
NITROBENZENE	51000	0.35	2.0U
P-ISOPROPYLTOLUENE	null	null	
PENTACHLOROPHENOL	1000	0.56	10U
PHENANTHRENE	1100	null	1.0U
PHENOL	400000	1100	2.0U
PYRENE	130	18	1.0U
PYRIDINE	null	3.7	
THIANAPHTHENE	null	null	

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Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	**MW-112**
SAMPLE DATE	Aquifer MSC	RBC	6/6/13
SVOCs	Aquifers		
1,1'-BIPHENYL	null	30	1.0U
1,2,4-TRICHLOROBENZENE	44000	0.72	5.0U
1,2-DICHLOROBENZENE	60000	27	1.0U
1,3-DICHLOROBENZENE	60000	18	1.0U
1,4-DICHLOROBENZENE	7500	0.47	1.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	2.0U
2,4,5-TRICHLOROPHENOL	1000000	370	5.0U
2,4,6-TRICHLOROPHENOL	31000	6.1	5.0U
2,4-DICHLOROPHENOL	20000	11	5.0U
2,4-DIMETHYLPHENOL	2000000	73	5.0U
2,4-DINITROPHENOL	410	7.3	20U
2,4-DINITROTOLUENE	8400	7.3	2.0U
2,6-DINITROTOLUENE	100000	3.7	2.0U
2-CHLORONAPHTHALENE	8200	49	2.0U
2-CHLOROPHENOL	40	3	5.0U
2-METHYLNAPHTHALENE	2000	2.4	1.0U
2-METHYLPHENOL	510000	180	2.0U
2-NAPHTHYLAMINE	null	null	
2-NITROANILINE	5.8	11	5.0U
2-NITROPHENOL	820000	null	5.0U
3,3'-DICHLOROBENZIDINE	3100	0.15	5.0U
3-NITROANILINE	5.8	1.1	5.0U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	20U
4-BROMOPHENYL PHENYL ETHER	null	null	2.0U
4-CHLORO-3-METHYLPHENOL	510	null	5.0U
4-CHLOROANILINE	410	15	5.0U
4-CHLOROPHENYL PHENYL ETHER	null	null	2.0U
4-METHYLPHENOL	510000	18	
4-NITROANILINE	5.8	3.3	5.0U
4-NITROPHENOL	60000	null	10U
ACENAPHTHENE	3800	37	1.0U
ACENAPHTHYLENE	16000	null	1.0U
ACETOPHENONE	null	61	2.0U
ALPHA-NAPHTHYLAMINE	null	null	
ANTHRACENE	66	180	1.0U
BENZALDEHYDE	null	370	5.0U
BENZO(A)ANTHRACENE	11	0.092	1.0U
BENZO(A)PYRENE	3.8	0.0092	1.0U
BENZO(B)FLUORANTHENE	1.2	0.092	1.0U
BENZO(G,H,I)PERYLENE	0.26	null	1.0U
BENZO(K)FLUORANTHENE	0.55	0.92	1.0U
BENZOIC ACID	null	15000	

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Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-113						
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	8/1/00	9/1/01	4/2/04	6/9/04
VOCs									
1,1,1-TRICHLOROETHANE	2000	320	10U	BDL		10U	10U	0.8U	0.8U
1,1,2,2-TETRACHLOROETHANE	30	0.053	10U			10U	10U	1U	1U
1,1,2-TRICHLOROETHANE	50	0.19	10U			10U	10U	0.8U	0.8U
1,1-DICHLOROETHANE	1100	80	10U			10U	10U	1U	1U
1,1-DICHLOROETHENE	70	35	10U	BDL		10U	10U	0.8U	0.8U
1,2-DICHLOROETHANE	50	0.12	10U	BDL		10U	10U	1U	1U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	10U	BDL		10U	10U		
1,2-DICHLOROPROPANE	50	0.16	10U			10U	10U	1U	1U
2-BUTANONE	580000	700	10U			10U	10U	3U	3U
2-HEXANONE	null	null	10U			10U	10U	3U	3U
4-METHYL-2-PENTANONE	41000	630	10U			10U	10U	3U	3U
ACETONE	100000	550	10UJ	BDL	BDL	10U	10U	6U	13J
ALPHA METHYL STYRENE	null	43	BDL		BDL	10U	10U		
BENZENE	500	0.34	39	16	BDL	2J	10U	0.9J	5J
BROMODICHLOROMETHANE	100	0.17	10U			10U	10U	1U	1U
BROMOFORM	10000	8.5	10U			10U	10U	1U	1U
BROMOMETHANE	1000	0.85	10U			10U	10U	1U	1U
CARBON DISULFIDE	4100	100	10U			10U	10U	1U	1U
CARBON TETRACHLORIDE	50	0.16	10U			10U	10U	1U	1U
CHLOROBENZENE	10000	11	10U	BDL	4	4J	2J	6	5J
CHLORODIBROMOMETHANE	10000	0.13	10U			10U	10U	1U	1U
CHLOROETHANE	90000	3.6	10U			10U	10U	1U	1U
CHLOROFORM	1000	0.15	10U	BDL	BDL	10U	10U	0.8U	0.8U
CHLOROMETHANE	300	19	10U			10U	10U	1U	1U
CIS-1,2-DICHLOROETHENE	700	6.1						0.8U	0.8U
CIS-1,3-DICHLOROPROPENE	null	0.44	10U			10U	10U	1U	1U
ETHYLBENZENE	70000	130	10	BDL	BDL	10U	10U	0.8U	0.8U
ISOPROPYLBENZENE	50000	66	33J	21	22	40	36	23	23
METHYL ACETATE	null	null				10U	10U		
METHYL TERT-BUTYL ETHER	200	2.6				10U	10U	0.5U	0.5U
METHYLCYCLOHEXANE	null	630				2J	2J		
METHYLENE CHLORIDE	500	4.1						2U	2U
STYRENE	10000	160	10U	BDL	BDL	10U	10U	1U	1U
TERT-BUTYL ALCOHOL	null	null						10U	10U
TETRACHLOROETHENE	50	0.1	10U			10U	10U	0.8U	0.8U
TOLUENE	100000	75	10U	BDL	BDL	0.5J	10U	0.7U	0.7U
TRANS-1,2-DICHLOROETHENE	1000	12						0.8U	0.8U
TRANS-1,3-DICHLOROPROPENE	null		10U			10U	10U	1U	1U
TRICHLOROETHENE	50	0.026	10U	BDL		10U	10U	1U	1U
TRICHLOROFLUOROMETHANE	200000	130						2U	2U
VINYL CHLORIDE	20	0.015	10U			10U	10U	1U	1U
XYLENES, TOTAL	180000	21	22	21	1J	2J	2J	0.9J	1J

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-113						
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	8/1/00	9/1/01	4/2/04	6/9/04
SVOCs	Aquifers								
1,1'-BIPHENYL	null	30				0.3J	0.3J		
1,2,4-TRICHLOROBENZENE	44000	0.72	40U			10U	10U	1U	1U
1,2-DICHLOROBENZENE	60000	27	40U			10U	10U	1U	1U
1,3-DICHLOROBENZENE	60000	18	40U			10U	10U	1U	1U
1,4-DICHLOROBENZENE	7500	0.47	40U			10U	10U	1U	1U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	40U			10U	10U	1U	1U
2,4,5-TRICHLOROPHENOL	1000000	370	100U			25U	25U	1U	1U
2,4,6-TRICHLOROPHENOL	31000	6.1	40U			10U	10U	1U	1U
2,4-DICHLOROPHENOL	20000	11	40U			10U	10U	1U	1U
2,4-DIMETHYLPHENOL	2000000	73	40U	BDL	BDL	10U	0.4J	1U	1J
2,4-DINITROPHENOL	410	7.3	100U			25U	25U	19U	20U
2,4-DINITROTOLUENE	8400	7.3	40U			10U	10U	1U	1U
2,6-DINITROTOLUENE	100000	3.7	40U			10U	10U	1U	1U
2-CHLORONAPHTHALENE	8200	49	40U			10U	10U	1U	1U
2-CHLOROPHENOL	40	3	40U			10U	10U	1U	1U
2-METHYLNAPHTHALENE	2000	2.4	61	BDL	BDL	0.5J	0.6J	1U	1U
2-METHYLPHENOL	510000	180	40U	BDL	BDL	10U	10U	1U	1U
2-NAPHTHYLAMINE	null	null				10U	10U		
2-NITROANILINE	5.8	11	100U			25U	25U	1U	1U
2-NITROPHENOL	820000	null	40U			10U	10U	1U	1U
3,3'-DICHLOROBENZIDINE	3100	0.15	40U			10U	10U	1U	1U
3-NITROANILINE	5.8	1.1	100U			25U	25U	1U	1U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	100U			25U	25U	5U	5U
4-BROMOPHENYL PHENYL ETHER	null	null	40U			10U	10U	1U	1U
4-CHLORO-3-METHYLPHENOL	510	null	40U			10U	10U	1U	1U
4-CHLOROANILINE	410	15	40U		BDL	10U	10U	1U	1U
4-CHLOROPHENYL PHENYL ETHER	null	null	40U			10U	10U	1U	1U
4-METHYLPHENOL	510000	18	40U	BDL	BDL	0.2J	0.4J	2U	2U
4-NITROANILINE	5.8	3.3	100U			25U	25U	1U	1U
4-NITROPHENOL	60000	null	100U			25U	25U	10U	10U
ACENAPHTHENE	3800	37	72	28	26	64	60	49	51
ACENAPHTHYLENE	16000	null	40U		BDL	0.6J	10U	1U	1U
ACETOPHENONE	null	61				10U	3J		
ALPHA-NAPHTHYLAMINE	null	null				10U	10U		
ANTHRACENE	66	180	11J	8J	2J	8J	6J	2J	5J
BENZALDEHYDE	null	370				10U	10U		
BENZO(A)ANTHRACENE	11	0.092	40U		BDL	0.9J	1J	1U	3J
BENZO(A)PYRENE	3.8	0.0092	40U		BDL	0.4J	0.4J	1U	2J
BENZO(B)FLUORANTHENE	1.2	0.092	40U		BDL	10U	10U	1U	2J
BENZO(G,H,I)PERYLENE	0.26	null	40U		BDL	10U	0.2J	1U	1U
BENZO(K)FLUORANTHENE	0.55	0.92	40U		BDL	0.2J	0.2J	1U	1U
BENZOIC ACID	null	15000		BDL		10U	10U		

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-113						
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	8/1/00	9/1/01	4/2/04	6/9/04
SVOCs (cont.)									
BIS(2-CHLOROETHOXY)METHANE	null	null	40U		BDL	10U	10U	1U	1U
BIS(2-CHLOROETHYL)ETHER	55	96	40U		BDL	10U	10U	1U	1U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	40U		1J	10U	4J	5J	18
BUTYLBENZYL PHTHALATE	2700	730	40U			10U	10U	2U	2U
CAPROLACTAM	null	null				10U	10U		
CARBAZOLE	1200	3.3	40U	BDL	BDL	0.8J	0.7J	1U	1J
CHRYSENE	1.9	9.2	40U		BDL	1J	1J	1U	3J
DI-N-BUTYL PHTHALATE	400000	370	40U		BDL	10U		2U	2U
DI-N-OCTYL PHTHALATE	3000	150	40U			10U	10U	2U	2U
DIBENZIOTHIOPHENE	null	null				10U	10U		
DIBENZO(A,H)ANTHRACENE	0.6	92	40U		BDL	10U	10U	1U	1U
DIBENZOFURAN	null	1.2	68	8J	2J	4J	2J	1U	2J
DIETHYL PHTHALATE	1100000	2900	40U		BDL	10U	10U	2U	2U
DIMETHYL PHTHALATE	null	37000	40U	BDL	BDL	10U	10U	2U	2U
DIPHENYLETHER	null	null				10U	10U		
FLUORANTHENE	260	150	40U	8J	1J	6J	7J	4J	12
FLUORENE	1900	24	59	13	5JB	15	9J	4J	7J
HEXACHLOROBENZENE	6	0.042	40U			10U	10U	1U	1U
HEXACHLOROBUTADIENE	1000	0.73	40U			10U	10U	1U	1U
HEXACHLOROCYCLOPENTADIENE	1800	22	40U			10U	10U	5U	5U
HEXACHLOROETHANE	100	3.65	40U			10U	10U	1U	1U
HEXANOIC ACID	null	null				10U	10U		
INDENO(1,2,3-CD)PYRENE	62	0.092	40U		BDL	10U	0.2J	1U	1U
ISOPHORONE	100000	70	40U			10U	10U	1U	1U
N-EIOCOSANE	null	null				10U	10U		
N-HEXADACANE	null	null				10U	10U		
N-NITROSO-DI-N-PROPYLAMINE	370	96	40U			10U	10U	1U	1U
N-NITROSODIPHENYLAMINE	35000	14	40U			10U	10U	2U	2U
N-TETRACDECANE	null	null				10U	10U		
N-TETRACOSANE	null	null				10U	10U		
NAPHTHALENE	30000	0.65	280	BDL	2J	2J	3J	8J	3J
NITROBENZENE	51000	0.35	40U		BDL	10U	10U	1U	1U
P-ISOPROPYLTOLUENE	null	null				10U	10U		
PENTACHLOROPHENOL	1000	0.56	100U			25U	25U	3U	3U
PHENANTHRENE	1100	null	49	18	2J	6J	4J	2J	2J
PHENOL	400000	1100	40U	BDL	BDL	0.7B	0.6J	1U	1U
PYRENE	130	18	40U	5J	BDL	4J	5J	3J	10J
PYRIDINE	null	3.7				10U	10U		
THIANAPHTHENE	null	null				10U	10U		

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Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-114							
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	12/12/03	6/7/04	6/14/05	8/11/06	6/7/07
VOCs										
1,1,1-TRICHLOROETHANE	2000	320	10U	BDL		0.8UL	0.8U	0.8U	5U	5U
1,1,2,2-TETRACHLOROETHANE	30	0.053	10U			1UL	1U	1U	1U	1U
1,1,2-TRICHLOROETHANE	50	0.19	10U			0.8UL	0.8U	0.8U	3U	3U
1,1-DICHLOROETHANE	1100	80	10U			1UL	1U	1U	5U	5U
1,1-DICHLOROETHENE	70	35	10U	BDL		0.8UL	0.8U	0.8U	2U	2U
1,2-DICHLOROETHANE	50	0.12	12B	BDL		1UL	1U	1U	2U	2U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	10U	BDL						
1,2-DICHLOROPROPANE	50	0.16	10U			1UL	1U	1U	1U	1U
2-BUTANONE	580000	700	10U			3UL	3U	3U	5U	5UJ
2-HEXANONE	null	null	10U			3UL	3U	3U	5U	5UJ
4-METHYL-2-PENTANONE	41000	630	10U			3UL	3U	3U	5U	5UJ
ACETONE	100000	550	10U	BDL	BDL	6UL	6U	6U	5U	5U
ALPHA METHYL STYRENE	null	43	BDL		BDL					
BENZENE	500	0.34	10U	BDL	BDL	0.5UL	0.5U	0.5U	1U	1U
BROMODICHLOROMETHANE	100	0.17	10U			1UL	1U	1U	1U	1U
BROMOFORM	10000	8.5	10U			1UL	1U	1U	4U	4U
BROMOMETHANE	1000	0.85	10U			1UL	1U	1U	5U	5UJ
CARBON DISULFIDE	4100	100	10UJ			1UL	1U	1U	5U	5U
CARBON TETRACHLORIDE	50	0.16	10U			1UL	1U	1U	2U	2U
CHLOROBENZENE	10000	11	10U	BDL	BDL	0.8UL	0.9J	0.8U	5U	5U
CHLORODIBROMOMETHANE	10000	0.13	10U			1UL	1U	1U	5U	5U
CHLOROETHANE	90000	3.6	10U			1UL	1U	1U	5U	5UJ
CHLOROFORM	1000	0.15	10U	BDL	BDL	0.8UL	0.8U	0.8U	5U	5U
CHLOROMETHANE	300	19	10U			1UL	1U	1U	5U	5U
CIS-1,2-DICHLOROETHENE	700	6.1				0.8UL	0.8U	0.8U	5U	5U
CIS-1,3-DICHLOROPROPENE	null	0.44	10U			1UL	1U	1U	5U	5U
ETHYLBENZENE	70000	130	10U	BDL	BDL	0.8UL	0.8U	0.8U	4U	4U
ISOPROPYLBENZENE	50000	66	BDL	BDL	BDL	1UL	1U	1U	0.7J	5U
METHYL ACETATE	null	null								
METHYL TERT-BUTYL ETHER	200	2.6				0.5UL	0.5U	0.5U		
METHYLCYCLOHEXANE	null	630								
METHYLENE CHLORIDE	500	4.1				2UL	2U	2U	3U	3U
STYRENE	10000	160	10U	BDL	BDL	1UL	1U	1U	5U	5U
TERT-BUTYL ALCOHOL	null	null				10UL	10U	10U		
TETRACHLOROETHENE	50	0.1	10U			0.8UL	0.8U	0.8U	1U	1U
TOLUENE	100000	75	10U	BDL	BDL	0.7UL	0.7U	0.7U	5U	5U
TRANS-1,2-DICHLOROETHENE	1000	12				0.8UL	0.8U	0.8U	5U	5U
TRANS-1,3-DICHLOROPROPENE	null		10U			1UL	1U	1U	5U	5U
TRICHLOROETHENE	50	0.026	10U	BDL		1UL	1U	1U	1U	1U
TRICHLOROFLUOROMETHANE	200000	130				2UL	2U	2U		
VINYL CHLORIDE	20	0.015	10U			1UL	1U	1U	5U	5U
XYLENES, TOTAL	180000	21	10U	BDL	BDL	0.8UL	0.8U	0.8U	5U	5U

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Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-114							
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	12/12/03	6/7/04	6/14/05	8/11/06	6/7/07
SVOCs	Aquifers									
1,1'-BIPHENYL	null	30								
1,2,4-TRICHLOROBENZENE	44000	0.72	10U			1U	1U	1U	1U	1U
1,2-DICHLOROBENZENE	60000	27	10U			1U	1U	1U	10U	10U
1,3-DICHLOROBENZENE	60000	18	10U			1U	1U	1U	10U	10U
1,4-DICHLOROBENZENE	7500	0.47	10U			1U	1U	1U	10U	10U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	10U			1U	1U	1U	10U	10U
2,4,5-TRICHLOROPHENOL	1000000	370	25U			1U	1U	1U	10U	10U
2,4,6-TRICHLOROPHENOL	31000	6.1	10U			1U	1U	1U	10U	10UJ
2,4-DICHLOROPHENOL	20000	11	10U			1U	1U	1U	10U	10U
2,4-DIMETHYLPHENOL	2000000	73	10U	BDL	BDL	1U	1U	3U	10U	10U
2,4-DINITROPHENOL	410	7.3	25UJ			19U	20U	19U	30U	
2,4-DINITROTOLUENE	8400	7.3	10U			1U	1U	1U	2U	2.10U
2,6-DINITROTOLUENE	100000	3.7	10U			1U	1U	1U	2U	2.10U
2-CHLORONAPHTHALENE	8200	49	10U			1U	1U	1U	10U	10U
2-CHLOROPHENOL	40	3	10U			1U	1U	1U	10U	10U
2-METHYLNAPHTHALENE	2000	2.4	10U	BDL	BDL	1U	1U	1U	0.2J	10U
2-METHYLPHENOL	510000	180	10U	BDL	BDL	1U	1U	1U	10U	10U
2-NAPHTHYLAMINE	null	null								
2-NITROANILINE	5.8	11	25U			1U	1U	1U	20U	21U
2-NITROPHENOL	820000	null	10U			1U	1U	1U	10U	10U
3,3'-DICHLOROBENZIDINE	3100	0.15	10U			1U	1U	2U	20U	21U
3-NITROANILINE	5.8	1.1	25U			1U	1U	1U	20U	21U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	25U			5U	5U	5U	30U	
4-BROMOPHENYL PHENYL ETHER	null	null	10U			1U	1U	1U	10U	10U
4-CHLORO-3-METHYLPHENOL	510	null	10U			1U	1U	1U	10U	10U
4-CHLOROANILINE	410	15	10U		BDL	1U	1U	1U	10U	10U
4-CHLOROPHENYL PHENYL ETHER	null	null	10U			1U	1U	1U	10U	10U
4-METHYLPHENOL	510000	18	10U	BDL	BDL	2U	2U	2U	10U	10U
4-NITROANILINE	5.8	3.3	25U			1U	1U	1U	20U	21U
4-NITROPHENOL	60000	null	25U			10U	10U	10U	30U	31U
ACENAPHTHENE	3800	37	10U	BDL	BDL	1U	1U	1U	10U	10U
ACENAPHTHYLENE	16000	null	10U		BDL	1U	1U	1U	10U	10U
ACETOPHENONE	null	61								
ALPHA-NAPHTHYLAMINE	null	null								
ANTHRACENE	66	180	10U	BDL	BDL	1U	1U	1U	10U	10U
BENZALDEHYDE	null	370								
BENZO(A)ANTHRACENE	11	0.092	10U		BDL	1U	1U	1U	1U	1U
BENZO(A)PYRENE	3.8	0.0092	10U		BDL	1U	1U	1U	1U	1U
BENZO(B)FLUORANTHENE	1.2	0.092	10U		BDL	1U	1U	1U	1U	1U
BENZO(G,H,I)PERYLENE	0.26	null	10U		BDL	1U	1U	1U	10U	10U
BENZO(K)FLUORANTHENE	0.55	0.92	10U		BDL	1U	1U	1U	1U	1UJ
BENZOIC ACID	null	15000		BDL						

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Reviewed by: JJH 9/13/2013

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Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-114							
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	12/12/03	6/7/04	6/14/05	8/11/06	6/7/07
SVOCs (cont.)										
BIS(2-CHLOROETHOXY)METHANE	null	null	10U		BDL	1U	1U	1U	10U	10U
BIS(2-CHLOROETHYL)ETHER	55	96	10U		BDL	1U	1U	1U	1U	1U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	10U		2J	2U	2U	2U	10U	10U
BUTYLBENZYL PHTHALATE	2700	730	10U			2U	2U	2U	10U	10U
CAPROLACTAM	null	null								
CARBAZOLE	1200	3.3	10U	BDL	BDL	1U	1U	1U	10U	10U
CHRYSENE	1.9	9.2	10U		BDL	1U	1U	1U	10U	10U
DI-N-BUTYL PHTHALATE	400000	370	10U		BDL	2U	2U	2U	10U	10U
DI-N-OCTYL PHTHALATE	3000	150	10U			2U	2U	2U	10U	10U
DIBENZIOTHIOPHENE	null	null								
DIBENZO(A,H)ANTHRACENE	0.6	92	10U		BDL	1U	1U	1U	1U	1U
DIBENZOFURAN	null	1.2	10U	BDL	BDL	1U	1U	1U	10U	10U
DIETHYL PHTHALATE	1100000	2900	10U		BDL	2U	2U	2U	10U	10U
DIMETHYL PHTHALATE	null	37000	10U	BDL	BDL	2U	2U	2U	10U	10U
DIPHENYLETHER	null	null								
FLUORANTHENE	260	150	10U	BDL	BDL	1U	1U	1U	10U	10U
FLUORENE	1900	24	10U	BDL	BDL	1U	1U	1U	10U	10U
HEXACHLOROBENZENE	6	0.042	10U			1U	1U	1U	1U	1U
HEXACHLOROBUTADIENE	1000	0.73	10U			1U	1U	1U	2U	2.10U
HEXACHLOROCYCLOPENTADIENE	1800	22	10U			5U	5U	5U	10U	10UJ
HEXACHLOROETHANE	100	3.65	10U			1U	1U	1U	1U	1U
HEXANOIC ACID	null	null								
INDENO(1,2,3-CD)PYRENE	62	0.092	10U		BDL	1U	1U	1U	1U	1U
ISOPHORONE	100000	70	10U			1U	1U	1U	10U	10U
N-EIOCOSANE	null	null								
N-HEXADACANE	null	null								
N-NITROSO-DI-N-PROPYLAMINE	370	96	10U			1U	1U	1U	1U	1U
N-NITROSODIPHENYLAMINE	35000	14	10U			2U	2U	2U	10U	10U
N-TETRACDECANE	null	null								
N-TETRACOSANE	null	null								
NAPHTHALENE	30000	0.65	10U	BDL	BDL	1U	1U	3J	2	10U
NITROBENZENE	51000	0.35	10U		BDL	1U	1U	1U	1U	1U
P-ISOPROPYLTOLUENE	null	null								
PENTACHLOROPHENOL	1000	0.56	25U			3U	3U	3U	30U	31UJ
PHENANTHRENE	1100	null	10U	BDL	BDL	1U	1U	1U	10U	10U
PHENOL	400000	1100	10U	BDL	BDL	1U	1U	1U	10U	10U
PYRENE	130	18	10U	BDL	BDL	1U	1U	1U	10U	10U
PYRIDINE	null	3.7								
THIANAPHTHENE	null	null								

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-115															
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	8/1/00	9/1/01	12/11/03	6/7/04	6/14/05	8/11/06	6/7/07	6/26/08	6/10/09	6/16/10	6/15/11	6/14/12	6/6/13
VOCs																		
1,1,1-TRICHLOROETHANE	2000	320	10U	BDL		10U	10U	0.8UL	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	10U			10U	10U	1UL	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U
1,1,2-TRICHLOROETHANE	50	0.19	10U			10U	10U	0.8UL	0.8U	0.8U	3U	3U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
1,1-DICHLOROETHANE	1100	80	10U			10U	10U	1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
1,1-DICHLOROETHENE	70	35	10U	BDL		10U	10U	0.8UL	0.8U	0.8U	2U	2U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
1,2-DICHLOROETHANE	50	0.12	19B	BDL		10U	10U	1UL	1U	1U	2U	2U	1UJ	1U	1 U	1U	1.0U	1.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	10U	BDL		10U	10U											
1,2-DICHLOROPROPANE	50	0.16	10U			10U	10U	1UL	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U
2-BUTANONE	580000	700	10U			10U	10U	3UL	3U	3U	5U	5UJ	3UJ	3U	3 U	3U	10U	10U
2-HEXANONE	null	null	10U			10U	10U	3UL	3U	3U	5U	5UJ	3UJ	3U	3 U	3U	5.0U	5.0U
4-METHYL-2-PENTANONE	41000	630	10U			10U	10U	3UL	3U	3U	5U	5UJ	3UJ	3U	3 U	3U	5.0U	5.0U
ACETONE	100000	550	10U	BDL	BDL	10U	10U	140L	6U	9U	5U	5U	6UJ	6U	6 U	6U	10U	10U
ALPHA METHYL STYRENE	null	43	BDL		BDL	10U	10U											
BENZENE	500	0.34	10U	BDL	BDL	10U	10U	0.5UL	0.5U	0.5U	1U	1U	0.5UJ	0.5U	0.5 U	0.5U	1.0U	1.0U
BROMODICHLOROMETHANE	100	0.17	10U			10U	10U	1UL	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U
BROMOFORM	10000	8.5	10U			10U	10U	1UL	1U	1U	4U	4U	1UJ	1U	1 U	1U	4.0U	4.0U
BROMOMETHANE	1000	0.85	10U			10U	10U	1UL	1U	1U	5U	5UJ	1UJ	1U	1 U	1U	2.0U	2.0U
CARBON DISULFIDE	4100	100	10UJ			10U	10U	1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	2.0U	2.0U
CARBON TETRACHLORIDE	50	0.16	10U			10U	10U	1UL	1U	1U	2U	2U	1UJ	1U	1 U	1U	1.0U	1.0U
CHLOROBENZENE	10000	11	10U	BDL	BDL	10U	10U	0.8UL	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
CHLORODIBROMOMETHANE	10000	0.13	10U			10U	10U	1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
CHLOROETHANE	90000	3.6	10U			10U	10U	1UL	1U	1U	5U	5UJ	1UJ	1U	1 U	1U	1.0U	1.0U
CHLOROFORM	1000	0.15	10U	BDL	BDL	10U	10U	0.8UL	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
CHLOROMETHANE	300	19	10U			10U	10U	1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
CIS-1,2-DICHLOROETHENE	700	6.1						0.8UL	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	10U			10U	10U	1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
ETHYLBENZENE	70000	130	10U	BDL	BDL	10U	10U	0.8UL	0.8U	0.8U	4U	4U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
ISOPROPYLBENZENE	50000	66	BDL	BDL	BDL	10U	10U	1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	2.0U	2.0U
METHYL ACETATE	null	null				10U	10U										5.0U	5.0U
METHYL TERT-BUTYL ETHER	200	2.6				10U	10U	0.5UL	0.5U	0.5U			0.5UJ	0.5U	0.5 U	0.5U	1.0U	1.0U
METHYLCYCLOHEXANE	null	630				10U	10U										5.0U	5.0U
METHYLENE CHLORIDE	500	4.1						2UL	2U	2U	3U	3U	2UJ	2U	2 U	2U	2.0U	2.0U
STYRENE	10000	160	10U	BDL	BDL	10U	10U	1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	5.0U	5.0U
TERT-BUTYL ALCOHOL	null	null						10UL	10U	10U			10UJ	10U	10 U	10U		
TETRACHLOROETHENE	50	0.1	10U			10U	10U	0.8UL	0.8U	0.8U	1U	1U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
TOLUENE	100000	75	10U	BDL	BDL	10U	10U	0.7UL	0.7U	0.7U	5U	5U	0.7UJ	0.70U	0.7 U	0.7U	1.0U	1.0U
TRANS-1,2-DICHLOROETHENE	1000	12						0.8UL	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
TRANS-1,3-DICHLOROPROPENE	null		10U			10U	10U	1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
TRICHLOROETHENE	50	0.026	10U	BDL		10U	10U	1UL	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U
TRICHLOROFLUOROMETHANE	200000	130						2UL	2U	2U			2UJ	2U	2 U	2U	5.0U	5.0U
VINYL CHLORIDE	20	0.015	10U			10U	10U	1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
XYLENES, TOTAL	180000	21	10U	BDL	BDL	10U	10U	0.8UL	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-115															
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	8/1/00	9/1/01	12/11/03	6/7/04	6/14/05	8/11/06	6/7/07	6/26/08	6/10/09	6/16/10	6/15/11	6/14/12	6/6/13
SVOCs	Aquifers																	
1,1'-BIPHENYL	null	30				10U	10U										1.0U	1.0U
1,2,4-TRICHLOROBENZENE	44000	0.72	10U			10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	5.0U	5.0U
1,2-DICHLOROBENZENE	60000	27	10U			10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U
1,3-DICHLOROBENZENE	60000	18	10U			10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U
1,4-DICHLOROBENZENE	7500	0.47	10U			10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	10U			10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	2.0U	2.0U
2,4,5-TRICHLOROPHENOL	1000000	370	25U			25U	25U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.0U	5.0U
2,4,6-TRICHLOROPHENOL	31000	6.1	10U			10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.0U	5.0U
2,4-DICHLOROPHENOL	20000	11	10U			10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.0U	5.0U
2,4-DIMETHYLPHENOL	2000000	73	10U	BDL	BDL	10U	10U	1U	1U	3U	10U	10U	3U	3U	3 U	3U	5.0U	5.0U
2,4-DINITROPHENOL	410	7.3	25UJ			25U	25U	19U	20U	19U	30U	30UJ	20U	20U	11 U	11U	20U	20U
2,4-DINITROTOLUENE	8400	7.3	10U			10U	10U	1U	1U	1U	2U	2U	1U	1U	1 U	1U	2.0U	2.0U
2,6-DINITROTOLUENE	100000	3.7	10U			10U	10U	1U	1U	1U	2U	2U	1U	1U	1 U	1U	2.0U	2.0U
2-CHLORONAPHTHALENE	8200	49	10U			10U	10U	1U	1U	1U	10U	10U	2U	2U	2 U	2U	2.0U	2.0U
2-CHLOROPHENOL	40	3	10U			10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.0U	5.0U
2-METHYLNAPHTHALENE	2000	2.4	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U
2-METHYLPHENOL	510000	180	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	0.20J	1U	1U	1 U	1U	2.0U	2.0U
2-NAPHTHYLAMINE	null	null				10U	10U											
2-NITROANILINE	5.8	11	25U			25U	25U	1U	1U	1U	20U	20U	1U	1U	1 U	1U	5.0U	5.0U
2-NITROPHENOL	820000	null	10U			10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.0U	5.0U
3,3'-DICHLOROBENZIDINE	3100	0.15	10U			10U	10U	1U	1U	2U	20U	20U	2U	2U	2 U	2U	5.0U	5.0U
3-NITROANILINE	5.8	1.1	25U			25U	25U	1U	1U	1U	20U	20U	1U	1U	1 U	1U	5.0U	5.0U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	25U			25U	25U	5U	5U	5U	30U	30U	5U	5U	5 U	6U	20U	20U
4-BROMOPHENYL PHENYL ETHER	null	null	10U			10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	2.0U	2.0U
4-CHLORO-3-METHYLPHENOL	510	null	10U			10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.0U	5.0U
4-CHLOROANILINE	410	15	10U		BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.0U	5.0U
4-CHLOROPHENYL PHENYL ETHER	null	null	10U			10U	10U	1U	1U	1U	10U	10U	2U	2U	2 U	2U	2.0U	2.0U
4-METHYLPHENOL	510000	18	10U	BDL	BDL	10U	10U	2U	2U	2U	10U	1.30J	2U	2U	2 U	2U		
4-NITROANILINE	5.8	3.3	25U			25U	25U	1U	1U	1U	20U	20U	1U	1U	1 U	1U	5.0U	5.0U
4-NITROPHENOL	60000	null	25U			25U	25U	10U	10U	10U	30U	0.5J	10U	10U	11 U	11U	10U	10U
ACENAPHTHENE	3800	37	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U
ACENAPHTHYLENE	16000	null	10U		BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U
ACETOPHENONE	null	61				10U	10U										2.0U	2.0U
ALPHA-NAPHTHYLAMINE	null	null				10U	10U											
ANTHRACENE	66	180	10U	BDL	BDL	0.1J	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U
BENZALDEHYDE	null	370				0.1J	10U										5.0U	5.0U
BENZO(A)ANTHRACENE	11	0.092	10U		BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.0U
BENZO(A)PYRENE	3.8	0.0092	10U		BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.0U
BENZO(B)FLUORANTHENE	1.2	0.092	10U		BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.0U
BENZO(G,H,I)PERYLENE	0.26	null	10U		BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U
BENZO(K)FLUORANTHENE	0.55	0.92	10U		BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.0U
BENZOIC ACID	null	15000		BDL	BDL	10U	10U											

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-116								MW-117			
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	3/1/00	8/1/00	9/1/01	12/12/03	6/8/04	10/1/93	6/1/96	8/1/00	9/1/01
VOCs														
1,1,1-TRICHLOROETHANE	2000	320	10U	BDL		10U	10U	10U	0.8UL	0.8U	2000U	BDL	100000U	100000U
1,1,2,2-TETRACHLOROETHANE	30	0.053	10U			10U	10U	10U	1UL	1U	2000U		100000U	100000U
1,1,2-TRICHLOROETHANE	50	0.19	10U			10U	10U	10U	0.8UL	0.8U	2000U		100000U	100000U
1,1-DICHLOROETHANE	1100	80	10U			10U	10U	10U	1UL	1U	2000U		100000U	100000U
1,1-DICHLOROETHENE	70	35	10U	BDL		10U	10U	10U	0.8UL	0.8U	2000U	BDL	100000U	100000U
1,2-DICHLOROETHANE	50	0.12	10U	BDL		10U	10U	10U	1UL	1U	2000U	BDL	100000U	100000U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	10U	BDL		10U	10U	10U			2000U	BDL	100000U	100000U
1,2-DICHLOROPROPANE	50	0.16	10U			10U	10U	10U	1UL	1U	2000U		100000U	100000U
2-BUTANONE	580000	700	10U			10U	10U	10U	3UL	3U	2000U		100000U	100000U
2-HEXANONE	null	null	10U			10U	10U	10U	3UL	3U	2000U		100000U	100000U
4-METHYL-2-PENTANONE	41000	630	10U			10U	10U	10U	3UL	3U	2000U		100000U	100000U
ACETONE	100000	550	15B	BDL	BDL	10U	10U	10U	6UL	6R	**870000J**	**640000B**	**820000**	**800000J**
ALPHA METHYL STYRENE	null	43	BDL		BDL	10U	10U	10U			BDL		100000U	100000U
BENZENE	500	0.34	10U	BDL	BDL	10U	10U	10U	0.9J	0.5U	**160000**	**130000**	**140000**	**140000**
BROMODICHLOROMETHANE	100	0.17	10U			10U	10U	10U	1UL	1U	2000U		100000U	100000U
BROMOFORM	10000	8.5	10U			10U	10U	10U	1UL	1U	2000U		100000U	100000U
BROMOMETHANE	1000	0.85	10U			10U	10U	10U	1UL	1U	2000U		100000U	100000U
CARBON DISULFIDE	4100	100	10U			10U	10U	10U	1UL	1U	2000U		100000U	100000U
CARBON TETRACHLORIDE	50	0.16	10U			10U	10U	10U	1UL	1U	2000U		100000U	100000U
CHLOROBENZENE	10000	11	10U	BDL	BDL	10U	10U	10U	0.8UL	0.8U	2000U	BDL	100000U	100000U
CHLORODIBROMOMETHANE	10000	0.13	10U			10U	10U	10U	1UL	1U	2000U		100000U	100000U
CHLOROETHANE	90000	3.6	10U			10U	10U	10U	1UL	1U	2000U		100000U	100000U
CHLOROFORM	1000	0.15	26	BDL	7	0.6J	0.6J	2J	4J	6	2000U	BDL	100000U	100000U
CHLOROMETHANE	300	19	10U			10U	10U	10U	1UL	1U	2000U		100000U	100000U
CIS-1,2-DICHLOROETHENE	700	6.1							0.8UL	0.8U				
CIS-1,3-DICHLOROPROPENE	null	0.44	10U			10U	10U	10U	1UL	1U	2000U		100000U	100000U
ETHYLBENZENE	70000	130	10U	BDL	BDL	10U	10U	10U	0.8UL	0.8U	2000U	BDL	100000U	100000U
ISOPROPYLBENZENE	50000	66	BDL	BDL	BDL	10U	10U	10U	1UL	1U	**2400**	BDL	100000U	100000U
METHYL ACETATE	null	null				3J	10U	10U					100000U	100000U
METHYL TERT-BUTYL ETHER	200	2.6				10U	10U	10U	0.5UL	0.5U			100000U	100000U
METHYLCYCLOHEXANE	null	630				10U	10U	10U					100000U	100000U
METHYLENE CHLORIDE	500	4.1							2UL	2U				
STYRENE	10000	160	10U	BDL	BDL	10U	10U	10U	1UL	1U	2000U	BDL	100000U	100000U
TERT-BUTYL ALCOHOL	null	null							10UL	10U				
TETRACHLOROETHENE	50	0.1	10U			10U	10U	10U	0.8UL	0.8U	2000U		100000U	100000U
TOLUENE	100000	75	12B	BDL	BDL	10U	10U	10U	0.7UL	0.7U	29000	37000J	47000J	45000J
TRANS-1,2-DICHLOROETHENE	1000	12							0.8UL	0.8U				
TRANS-1,3-DICHLOROPROPENE	null		10U			10U	10U	10U	1UL	1U	2000U		100000U	100000U
TRICHLOROETHENE	50	0.026	10U	BDL		10U	10U	10U	1UL	1U	2000U	BDL	100000U	100000U
TRICHLOROFLUOROMETHANE	200000	130							2UL	2U				
VINYL CHLORIDE	20	0.015	10U			10U	10U	10U	1UL	1U	2000U		100000U	100000U
XYLENES, TOTAL	180000	21	10U	BDL	BDL	10U	10U	10U	0.8UL	0.8U	2400	BDL	100000U	2500J

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-115															
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	8/1/00	9/1/01	12/11/03	6/7/04	6/14/05	8/11/06	6/7/07	6/26/08	6/10/09	6/16/10	6/15/11	6/14/12	6/6/13
SVOCs (cont.)																		
BIS(2-CHLOROETHOXY)METHANE	null	null	10U		BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	2.0U	2.0U
BIS(2-CHLOROETHYL)ETHER	55	96	10U		BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	2.0U	2.0U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	10U		2J	1B	10U	5J	2U	2U	10U	10U	2U	2U	2 U	2U	1.2J	2.0U
BUTYLBENZYL PHTHALATE	2700	730	10U			10U	10U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.0U	2.0U
CAPROLACTAM	null	null				0.7J	0.2J							1U			2.0U	2.0U
CARBAZOLE	1200	3.3	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	10U	1U		1 U	1U	1.0U	1.0U
CHRYSENE	1.9	9.2	10U		BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U
DI-N-BUTYL PHTHALATE	400000	370	10U		BDL	10U	10U	2U	2U	2U	10U	2.90J	2U	2U	2 U	2U	2.0U	2.0U
DI-N-OCTYL PHTHALATE	3000	150	10U			10U	10U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.0U	2.0U
DIBENZIOTHIOPHENE	null	null				10U	10U											
DIBENZO(A,H)ANTHRACENE	0.6	92	10U		BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.0U
DIBENZOFURAN	null	1.2	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	5.0U	5.0U
DIETHYL PHTHALATE	1100000	2900	10U		BDL	10U	10U	2U	2U	2U	10U	3.10J	2U	2U	2 U	2U	2.0U	1.2J
DIMETHYL PHTHALATE	null	37000	10U	BDL	BDL	10U	10U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.0U	2.0U
DIPHENYLETHER	null	null				10U	10U											
FLUORANTHENE	260	150	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U
FLUORENE	1900	24	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U
HEXACHLOROBENZENE	6	0.042	10U			10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.0U
HEXACHLOROBUTADIENE	1000	0.73	10U			10U	10U	1U	1U	1U	2U	2U	1U	1U	1 U	1U	1.0U	1.0U
HEXACHLOROCYCLOPENTADIENE	1800	22	10U			10U	10U	5U	5U	5U	10U	10U	5U	5U	5 U	6U	10U	10U
HEXACHLOROETHANE	100	3.65	10U			10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	2.0U	2.0U
HEXANOIC ACID	null	null				10U	10U											
INDENO(1,2,3-CD)PYRENE	62	0.092	10U		BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.0U
ISOPHORONE	100000	70	10U			10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	2.0U	2.0U
N-EIOCOSANE	null	null				10U	10U											
N-HEXADACANE	null	null				10U	10U											
N-NITROSO-DI-N-PROPYLAMINE	370	96	10U			10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	2.0U	2.0U
N-NITROSODIPHENYLAMINE	35000	14	10U			10U	10U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	5.0U	5.0U
N-TETRACDECANE	null	null				10U	10U											
N-TETRACOSANE	null	null				10U	10U											
NAPHTHALENE	30000	0.65	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U
NITROBENZENE	51000	0.35	10U		BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	2.0U	2.0U
P-ISOPROPYLTOLUENE	null	null				10U	10U											
PENTACHLOROPHENOL	1000	0.56	25U			25U	25U	3U	3U	3U	30U	30U	3U	3U	3 U	3U	10U	10U
PHENANTHRENE	1100	null	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U
PHENOL	400000	1100	10U	BDL	BDL	0.4B	10U	1U	1U	1U	10U	7.90J	1U	1U	1 U	1U	2.0U	2.0U
PYRENE	130	18	10U	BDL	BDL	10U	10U	1U	1U	1U	10U	10U	1U	1U	1 U	1U	1.0U	1.0U
PYRIDINE	null	3.7				10U	10U											
THIANAPHTHENE	null	null				10U	10U											

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-116								MW-117			
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	3/1/00	8/1/00	9/1/01	12/12/03	6/8/04	10/1/93	6/1/96	8/1/00	9/1/01
SVOCs (cont.)														
BIS(2-CHLOROETHOXY)METHANE	null	null	10U		BDL	10U	11U	10U	1U	1U	2000U		250000U	50000U
BIS(2-CHLOROETHYL)ETHER	55	96	10U		BDL	10U	11U	10U	1U	1U	2000U		250000U	50000U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	10U		1J	2B	11U	2B	2U	2U	2000U		250000U	50000U
BUTYLBENZYL PHTHALATE	2700	730	10U			10U	11U	10U	2U	2U	2000U		250000U	50000U
CAPROLACTAM	null	null				10U	0.2J	0.2J					250000U	50000U
CARBAZOLE	1200	3.3	10U	BDL	BDL	10U	11U	10U	1U	1U	2000U	42J	250000U	50000U
CHRYSENE	1.9	9.2	10U		BDL	10U	11U	10U	1U	1U	2000U		250000U	50000U
DI-N-BUTYL PHTHALATE	400000	370	10U		BDL	0.1B	11U	10U	2U	2U	2000U		250000U	50000U
DI-N-OCTYL PHTHALATE	3000	150	10U			10U	11U	10U	2U	2U	2000U		250000U	50000U
DIBENZIOTHIOPHENE	null	null				10U	11U	10U					250000U	50000U
DIBENZO(A,H)ANTHRACENE	0.6	92	10U		BDL	10U	11U	10U	1U	1U	2000U		250000U	50000U
DIBENZOFURAN	null	1.2	10U	BDL	BDL	10U	11U	10U	1U	1U	2000U	51J	250000U	50000U
DIETHYL PHTHALATE	1100000	2900	10U		BDL	10U	11U	10U	2U	2U	2000U		250000U	50000U
DIMETHYL PHTHALATE	null	37000	10U	BDL	BDL	10U	11U	10U	2U	2U	2000U	500	250000U	50000U
DIPHENYLETHER	null	null				10U	11U	10U					250000U	50000U
FLUORANTHENE	260	150	10U	BDL	BDL	10U	11U	10U	1U	1U	2000U	BDL	250000U	50000U
FLUORENE	1900	24	10U	BDL	BDL	10U	11U	10U	1U	1U	2000U	BDL	250000U	50000U
HEXACHLOROBENZENE	6	0.042	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
HEXACHLOROBUTADIENE	1000	0.73	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
HEXACHLOROCYCLOPENTADIENE	1800	22	10U			10U	11U	10U	5U	5U	2000U		250000U	50000U
HEXACHLOROETHANE	100	3.65	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
HEXANOIC ACID	null	null				10U	11U	10U					250000U	50000U
INDENO(1,2,3-CD)PYRENE	62	0.092	10U		BDL	10U	11U	10U	1U	1U	2000U		250000U	50000U
ISOPHORONE	100000	70	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
N-EIOCOSANE	null	null				10U	11U	10U					250000U	50000U
N-HEXADACANE	null	null				10U	11U	10U					250000U	50000U
N-NITROSO-DI-N-PROPYLAMINE	370	96	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
N-NITROSODIPHENYLAMINE	35000	14	10U			10U	11U	10U	2U	2U	2000U		250000U	50000U
N-TETRACDECANE	null	null				10U	11U	10U					250000U	50000U
N-TETRACOSANE	null	null				10U	11U	10U					250000U	50000U
NAPHTHALENE	30000	0.65	10U	BDL	1J	10U	11U	10U	1U	1U	3600	3200	11000J	2000J
NITROBENZENE	51000	0.35	10U		BDL	10U	11U	10U	1U	1U	2000U		250000U	50000U
P-ISOPROPYLTOLUENE	null	null				10U	11U	10U					250000U	50000U
PENTACHLOROPHENOL	1000	0.56	25U			25U	26U	25U	3U	3U	5000U		620000U	120000U
PHENANTHRENE	1100	null	10U	BDL	2J	10U	11U	10U	1U	1U	2000U	BDL	250000U	50000U
PHENOL	400000	1100	10U	BDL	86	10U	11U	10U	1U	1U	400000	**650000J**	**1500000**	200000
PYRENE	130	18	10U	BDL	BDL	10U	11U	10U	1U	1U	2000U	BDL	250000U	50000U
PYRIDINE	null	3.7				10U	11U	10U					250000U	50000U
THIANAPHTHENE	null	null				10U	11U	10U					250000U	50000U

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-116								MW-117			
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	12/1/98	3/1/00	8/1/00	9/1/01	12/12/03	6/8/04	10/1/93	6/1/96	8/1/00	9/1/01
SVOCs	Aquifers													
1,1'-BIPHENYL	null	30				10U	11U	10U					250000U	50000U
1,2,4-TRICHLOROBENZENE	44000	0.72	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
1,2-DICHLOROBENZENE	60000	27	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
1,3-DICHLOROBENZENE	60000	18	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
1,4-DICHLOROBENZENE	7500	0.47	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
2,4,5-TRICHLOROPHENOL	1000000	370	25U			25U	26U	25U	1U	1U	5000U		620000U	120000U
2,4,6-TRICHLOROPHENOL	31000	6.1	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
2,4-DICHLOROPHENOL	20000	11	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
2,4-DIMETHYLPHENOL	2000000	73	10U	BDL	3J	10U	11U	10U	1U	1U	7700	14000	52000J	6200J
2,4-DINITROPHENOL	410	7.3	25U			25U	26U	25U	19U	20U	5000U		620000U	120000U
2,4-DINITROTOLUENE	8400	7.3	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
2,6-DINITROTOLUENE	100000	3.7	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
2-CHLORONAPHTHALENE	8200	49	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
2-CHLOROPHENOL	40	3	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
2-METHYLNAPHTHALENE	2000	2.4	10U	BDL	BDL	10U	11U	10U	1U	1U	540J	360	250000U	50000U
2-METHYLPHENOL	510000	180	10U	BDL	5J	10U	11U	10U	1U	1U	15000	28000	65000J	12000J
2-NAPHTHYLAMINE	null	null				10U	11U	10U					250000U	50000U
2-NITROANILINE	5.8	11	25U			25U	26U	25U	1U	1U	5000U		620000U	120000U
2-NITROPHENOL	820000	null	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
3,3'-DICHLOROBENZIDINE	3100	0.15	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
3-NITROANILINE	5.8	1.1	25U			25U	26U	25U	1U	1U	5000U		620000U	120000U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	25U			25U	26U	25U	5U	5U	5000U		620000U	120000U
4-BROMOPHENYL PHENYL ETHER	null	null	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
4-CHLORO-3-METHYLPHENOL	510	null	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
4-CHLOROANILINE	410	15	10U		BDL	10U	11U	10U	1U	1U	2000U		250000U	50000U
4-CHLOROPHENYL PHENYL ETHER	null	null	10U			10U	11U	10U	1U	1U	2000U		250000U	50000U
4-METHYLPHENOL	510000	18	10U	BDL	11	10U	11U	10U	2U	2U	40000J	72000	170000J	34000J
4-NITROANILINE	5.8	3.3	25U			25U	26U	25U	1U	1U	5000U		620000U	120000U
4-NITROPHENOL	60000	null	25U			25U	26U	25U	10U	10U	5000U		620000U	120000U
ACENAPHTHENE	3800	37	10U	BDL	BDL	10U	11U	10U	1U	1U	2000U	53J	250000U	50000U
ACENAPHTHYLENE	16000	null	10U		BDL	10U	11U	10U	1U	1U	2000U		250000U	50000U
ACETOPHENONE	null	61				10U	11U	10U					8400B	1500J
ALPHA-NAPHTHYLAMINE	null	null				10U	11U	10U					250000U	50000U
ANTHRACENE	66	180	10U	BDL	BDL	10U	11U	10U	1U	1U	2000U	BDL	250000U	50000U
BENZALDEHYDE	null	370				10U	11U	10U					250000U	50000U
BENZO(A)ANTHRACENE	11	0.092	10U		BDL	10U	11U	10U	1U	1U	2000U		250000U	50000U
BENZO(A)PYRENE	3.8	0.0092	10U		BDL	10U	11U	10U	1U	1U	2000U		250000U	50000U
BENZO(B)FLUORANTHENE	1.2	0.092	10U		BDL	10U	11U	10U	1U	1U	2000U		250000U	50000U
BENZO(G,H,I)PERYLENE	0.26	null	10U		BDL	10U	11U	10U	1U	1U	2000U		250000U	50000U
BENZO(K)FLUORANTHENE	0.55	0.92	10U		BDL	10U	11U	10U	1U	1U	2000U		250000U	50000U
BENZOIC ACID	null	15000		BDL		10U	11U	10U				BDL	250000U	50000U

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-118																
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	4/1/04	6/9/04	12/13/04	6/15/05	8/11/06	6/6/07	6/6/07	6/27/08	6/27/08	6/10/09	6/10/09	6/16/10	6/17/11	6/17/11	6/14/12	6/14/12
										DUP				DUP			DUP		DUP
VOCs																			
1,1,1-TRICHLOROETHANE	2000	320	10U	0.8U	0.8U	0.8U	0.8U	5U	5U	5U	0.8UJ	0.8UJ	0.8U	0.8U	0.8 U	0.8U	0.8U	20U	20U
1,1,2,2-TETRACHLOROETHANE	30	0.053	10U	1U	1U	1U	1U	1U	1U	1U	1UJ	1UJ	1U	1U	1 U	1U	1U	20U	20U
1,1,2-TRICHLOROETHANE	50	0.19	10U	0.8U	0.8U	0.8U	0.8U	3U	3U	3U	0.8UJ	0.8UJ	0.8U	0.8U	0.8 U	0.8U	0.8U	20U	20U
1,1-DICHLOROETHANE	1100	80	10U	1U	1U	1U	1U	5U	5U	5U	1UJ	1UJ	1U	1U	1 U	1U	1U	20U	20U
1,1-DICHLOROETHENE	70	35	10U	0.8U	0.8U	0.8U	0.8U	2U	2U	2U	0.8UJ	0.8UJ	0.8U	0.8U	0.8 U	0.8U	0.8U	20U	20U
1,2-DICHLOROETHANE	50	0.12	10U	1U	1U	1U	1U	2U	2U	2U	1UJ	1UJ	1U	1U	1 U	1U	1U	20U	20U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	10U																
1,2-DICHLOROPROPANE	50	0.16	10U	1U	1U	1U	1U	1U	1U	1U	1UJ	1UJ	1U	1U	1 U	1U	1U	20U	20U
2-BUTANONE	580000	700	10U	3U	3U	3R	3U	5U	5UJ	5U	3UJ	3UJ	3U	3U	3 U	3U	3U	200U	200U
2-HEXANONE	null	null	10U	3U	3U	3U	3U	5U	5UJ	5UJ	3UJ	3UJ	3U	3U	3 U	3U	3U	100U	100U
4-METHYL-2-PENTANONE	41000	630	10U	3U	3U	3U	3U	5U	5UJ	5U	3UJ	3UJ	3U	3U	3 U	3U	3U	100U	100U
ACETONE	100000	550	6B	6U	6R	6R	6UJ	5U	5U	5U	6UJ	6UJ	6U	6U	6 U	6U	6U	200U	200U
ALPHA METHYL STYRENE	null	43	BDL																
BENZENE	500	0.34	10U	0.5U	7	0.5U	0.5U	1U	1U	1U	0.5UJ	0.5UJ	0.5U	0.5U	0.5 U	0.5U	0.5U	**2610**	**2530**
BROMODICHLOROMETHANE	100	0.17	10U	1U	1U	1U	1U	1U	1U	1U	1UJ	1UJ	1U	1U	1 U	1U	1U	20U	20U
BROMOFORM	10000	8.5	10U	1U	1U	1U	1U	4U	4U	4UJ	1UJ	1UJ	1U	1U	1 U	1U	1U	80U	80U
BROMOMETHANE	1000	0.85	10U	1U	1U	1U	1U	5U	5UJ	5U	1UJ	1UJ	1U	1U	1 U	1U	1U	40U	40U
CARBON DISULFIDE	4100	100	10U	1U	1U	1U	1U	5U	5U	5U	1UJ	1UJ	1U	1U	1 U	1U	1U	40U	40U
CARBON TETRACHLORIDE	50	0.16	10U	1U	1U	1U	1U	2U	2U	2U	1UJ	1UJ	1U	1U	1 U	1U	1U	20U	20U
CHLOROBENZENE	10000	11	10U	0.8U	0.8U	0.8U	0.8U	5U	5U	5U	0.8UJ	0.8UJ	0.8U	0.8U	0.8 U	0.8U	0.8U	20U	20U
CHLORODIBROMOMETHANE	10000	0.13	10U	1U	1U	1U	1U	5U	5U	5U	1UJ	1UJ	1U	1U	1 U	1U	1U	20U	20U
CHLOROETHANE	90000	3.6	10U	1U	1U	1U	1U	5U	5UJ	5U	1UJ	1UJ	1U	1U	1 U	1U	1U	20U	20U
CHLOROFORM	1000	0.15	10U	0.8U	0.8U	0.8U	0.8U	5U	5U	5U	0.8UJ	0.8UJ	0.8U	0.8U	0.8 U	0.8U	0.8U	20U	20U
CHLOROMETHANE	300	19	10U	1U	1U	1U	1U	5U	5U	5U	1UJ	1UJ	1U	1U	1 U	1U	1U	20U	20U
CIS-1,2-DICHLOROETHENE	700	6.1		0.8U	0.8U	0.8U	0.8U	5U	5U	5U	0.8UJ	0.8UJ	0.8U	0.8U	0.8 U	0.8U	0.8U	20U	20U
CIS-1,3-DICHLOROPROPENE	null	0.44	10U	1U	1U	1U	1U	5U	5U	5U	1UJ	1UJ	1U	1U	1 U	1U	1U	20U	20U
ETHYLBENZENE	70000	130	10U	0.8U	0.8U	0.8U	0.8U	4U	4U	4U	0.8UJ	0.8UJ	0.8U	0.8U	0.8 U	0.8U	0.8U	532	529
ISOPROPYLBENZENE	50000	66	BDL	1U	2J	1U	1U	5U	0.30J	0.5J	1UJ	1UJ	1U	1U	1 U	1U	1U	1880	1920
METHYL ACETATE	null	null																100U	100U
METHYL TERT-BUTYL ETHER	200	2.6		1J	1J		0.5U				0.5UJ	0.5UJ	0.5U	0.5U	0.5 U	0.5U	0.5U	20U	20U
METHYLCYCLOHEXANE	null	630																100U	100U
METHYLENE CHLORIDE	500	4.1		2U	2U	2U	2U	3U	3U	3U	2UJ	2UJ	2U	2U	2 U	2U	2U	40U	40U
STYRENE	10000	160	10U	1U	1U	1U	1U	5U	5U	5U	1UJ	1UJ	1U	1U	1 U	1U	1U	100U	100U
TERT-BUTYL ALCOHOL	null	null		10U	10U	10U	10U				10UJ	10UJ	10U	10U	10 U	10U	10U		
TETRACHLOROETHENE	50	0.1	10U	0.8U	0.8U	0.8U	0.8U	1U	1U	1U	0.8UJ	0.8UJ	0.8U	0.8U	0.8 U	0.8U	0.8U	20U	20U
TOLUENE	100000	75	10U	0.7U	0.7U	0.7U	0.7U	5U	5U	5U	0.7UJ	0.7UJ	0.70U	0.70U	0.7 U	0.7U	0.7U	20U	20U
TRANS-1,2-DICHLOROETHENE	1000	12		0.8U	0.8U	0.8U	0.8U	5U	5U	5U	0.8UJ	0.8UJ	0.8U	0.8U	0.8 U	0.8U	0.8U	20U	20U
TRANS-1,3-DICHLOROPROPENE	null		10U	1U	1U	1U	1U	5U	5U	5U	1UJ	1UJ	1U	1U	1 U	1U	1U	20U	20U
TRICHLOROETHENE	50	0.026	10U	1U	1U	1U	1U	1U	1U	1U	1UJ	1UJ	1U	1U	1 U	1U	1U	20U	20U
TRICHLOROFLUOROMETHANE	200000	130		2U	2U	2U	2U				2UJ	2UJ	2U	2U	2 U	2U	2U	100U	100U
VINYL CHLORIDE	20	0.015	10U	1U	1U	1U	1U	5U	5U	5U	1UJ	1UJ	1U	1U	1 U	1U	1U	20U	20U
XYLENES, TOTAL	180000	21	10U	0.8U	0.8U	0.8U	0.8U	5U	5U	5U	0.8UJ	0.8UJ	0.8U	0.8U	0.8 U	0.8U	0.8U	151	151

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-118																
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	4/1/04	6/9/04	12/13/04	6/15/05	8/11/06	6/6/07	6/6/07	6/27/08	6/27/08	6/10/09	6/10/09	6/16/10	6/17/11	6/17/11	6/14/12	6/14/12
SVOCs	Aquifers																		
1,1'-BIPHENYL	null	30																19.4	18.5
1,2,4-TRICHLOROBENZENE	44000	0.72	10U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1U	100U	100U
1,2-DICHLOROBENZENE	60000	27	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U	1 U	1U	1U	20U	20U
1,3-DICHLOROBENZENE	60000	18	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U	1 U	1U	1U	20U	20U
1,4-DICHLOROBENZENE	7500	0.47	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U	1 U	1U	1U	20U	20U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U	1 U	1U	1U	2.0U	2.0U
2,4,5-TRICHLOROPHENOL	1000000	370	25U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U		1U	1U	5.0U	5.0U
2,4,6-TRICHLOROPHENOL	31000	6.1	10U	1U	1U	1U	1U	10U	10UJ	10UJ	1U	1U	1U	1U		1U	1U	5.0U	5.0U
2,4-DICHLOROPHENOL	20000	11	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U		1U	1U	5.0U	5.0U
2,4-DIMETHYLPHENOL	2000000	73	10U	1U	1U	1U	3U	10U	10U	10U	3U	3U	3U	3U		3U	3U	5.0U	5.0U
2,4-DINITROPHENOL	410	7.3	25U	19U	21U	19U	20U	30U			21U	20U	21U	21U		10U	10U	20U	20U
2,4-DINITROTOLUENE	8400	7.3	10U	1U	1U	1U	1U	2U	2.10U	2.10U	1U	1U	1U	1U	1 U	1U	1U	2.0U	2.0U
2,6-DINITROTOLUENE	100000	3.7	10U	1U	1U	1U	1U	2U	2.10U	2.10U	1U	1U	1U	1U	1 U	1U	1U	2.0U	2.0U
2-CHLORONAPHTHALENE	8200	49	10U	1U	1U	1U	1U	10U	10U	10U	2U	2U	2U	2U	2 U	2U	2U	2.0U	2.0U
2-CHLOROPHENOL	40	3	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U		1U	1U	5.0U	5.0U
2-METHYLNAPHTHALENE	2000	2.4	10U	1U	1U	1U	1U	0.6J	10U	10U	1U	1U	1J	2J	1 U	1U	1U	2.2	2.2
2-METHYLPHENOL	510000	180	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U		1U	1U	2.0U	2.0U
2-NAPHTHYLAMINE	null	null																	
2-NITROANILINE	5.8	11	25U	1U	1U	1U	1U	20U	21U	21U	1U	1U	1U	1U	1 U	1U	1U	5.0U	5.0U
2-NITROPHENOL	820000	null	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U		1U	1U	5.0U	5.0U
3,3'-DICHLOROBENZIDINE	3100	0.15	10U	1U	1U	1U	2U	20U	21U	21U	2U	2U	2U	2U	2 U	2U	2U	5.0U	5.0U
3-NITROANILINE	5.8	1.1	25U	1U	1U	1U	1U	20U	21U	21U	1U	1U	1U	1U	1 U	1U	1U	5.0U	5.0U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	25U	5U	5U	5U	5U	30U			5U	5U	5U	5U		5U	5U	20U	20U
4-BROMOPHENYL PHENYL ETHER	null	null	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U	1 U	1U	1U	2.0U	2.0U
4-CHLORO-3-METHYLPHENOL	510	null	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U		1U	1U	5.0U	5.0U
4-CHLOROANILINE	410	15	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U	1 U	1U	1U	5.0U	5.0U
4-CHLOROPHENYL PHENYL ETHER	null	null	10U	1U	1U	1U	1U	10U	10U	10U	2U	2U	2U	2U	2 U	2U	2U	2.0U	2.0U
4-METHYLPHENOL	510000	18	10U	2U	2U	2U	2U	10U	10U	10U	2U	2U	2U	2U		2U	2U		
4-NITROANILINE	5.8	3.3	25U	1U	1U	1U	1U	20U	21U	21U	1U	1U	1U	1U	1 U	1U	1U	5.0U	5.0U
4-NITROPHENOL	60000	null	25U	10U	10U	10U	10U	30U	31U	31U	10U	10U	10U	10U		10U	10U	10U	10U
ACENAPHTHENE	3800	37	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U	1 U	1U	1U	13.1	13.2
ACENAPHTHYLENE	16000	null	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U	1 U	1U	1U	1.0U	1.0U
ACETOPHENONE	null	61																3.6	4.5
ALPHA-NAPHTHYLAMINE	null	null																	
ANTHRACENE	66	180	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U	1 U	1U	1U	1.0U	1.0U
BENZALDEHYDE	null	370																5.0U	5.0U
BENZO(A)ANTHRACENE	11	0.092	10U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1U	1.0U	1.0U
BENZO(A)PYRENE	3.8	0.0092	10U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1U	1.0U	1.0U
BENZO(B)FLUORANTHENE	1.2	0.092	10U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1U	1.0U	1.0U
BENZO(G,H,I)PERYLENE	0.26	null	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U	1 U	1U	1U	1.0U	1.0U
BENZO(K)FLUORANTHENE	0.55	0.92	10U	1U	1U	1U	1U	1U	1UJ	1UJ	1U	1U	1U	1U	1 U	1U	1U	1.0U	1.0U
BENZOIC ACID	null	15000																	

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-118																
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	4/1/04	6/9/04	12/13/04	6/15/05	8/11/06	6/6/07	6/6/07	6/27/08	6/27/08	6/10/09	6/10/09	6/16/10	6/17/11	6/17/11	6/14/12	6/14/12
SVOCs (cont.)																			
BIS(2-CHLOROETHOXY)METHANE	null	null	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U	1 U	1U	1U	2.0U	2.0U
BIS(2-CHLOROETHYL)ETHER	55	96	10U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1U	2.0U	2.0U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	10U	8J	2U	2U	2U	10U	10U	10U	2U	2U	2U	2U	2 U	2U	2U	2.0U	2.0U
BUTYLBENZYL PHTHALATE	2700	730	10U	2U	2U	2U	2U	10U	10U	10U	2U	2U	2U	2U	2 U	2U	2U	2.0U	2.0U
CAPROLACTAM	null	null											1U	1U				2.0U	2.0U
CARBAZOLE	1200	3.3	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U			1 U	1U	1U	1.1	1.2
CHRYSENE	1.9	9.2	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U	1 U	1U	1U	1.0U	1.0U
DI-N-BUTYL PHTHALATE	400000	370	10U	2U	2U	2U	2U	10U	10U	10U	2U	2U	2U	2U	2 U	2U	2U	2.0U	2.0U
DI-N-OCTYL PHTHALATE	3000	150	10U	2U	2U	2U	2U	10U	10U	10U	2U	2U	2U	2U	2 U	2U	2U	2.0U	2.0U
DIBENZIOTHIOPHENE	null	null																	
DIBENZO(A,H)ANTHRACENE	0.6	92	10U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1U	1.0U	1.0U
DIBENZOFURAN	null	1.2	10U	1U	1J	1U	1U	10U	10U	10U	1U	1U	1U	1U	1 U	1U	1U	9.6	9.5
DIETHYL PHTHALATE	1100000	2900	10U	2U	2U	2U	2U	10U	10U	10U	2U	2U	2U	2U	2 U	2U	2U	2.0U	2.0U
DIMETHYL PHTHALATE	null	37000	10U	2U	2U	2U	2U	10U	10U	10U	2U	2U	2U	2U	2 U	2U	2U	2.0U	2.0U
DIPHENYLETHER	null	null																	
FLUORANTHENE	260	150	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U	1 U	1U	1U	1.0U	1.0U
FLUORENE	1900	24	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U	1 U	1U	1U	3.6	3.7
HEXACHLOROBENZENE	6	0.042	10U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1U	1.0U	1.0U
HEXACHLOROBUTADIENE	1000	0.73	10U	1U	1U	1U	1U	2U	2.10U	2.10U	1U	1U	1U	1U	1 U	1U	1U	1.0U	1.0U
HEXACHLOROCYCLOPENTADIENE	1800	22	10U	5U	5U	5U	5U	10U	10UJ	10UJ	5U	5U	5U	5U	5 U	5U	5U	10U	10U
HEXACHLOROETHANE	100	3.65	10U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1U	2.0U	2.0U
HEXANOIC ACID	null	null																	
INDENO(1,2,3-CD)PYRENE	62	0.092	10U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1U	1.0U	1.0U
ISOPHORONE	100000	70	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U	1 U	1U	1U	2.0U	2.0U
N-EIOCOSANE	null	null																	
N-HEXADACANE	null	null																	
N-NITROSO-DI-N-PROPYLAMINE	370	96	10U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1U	2.0U	2.0U
N-NITROSODIPHENYLAMINE	35000	14	10U	2U	2U	2U	2U	10U	10U	10U	2U	2U	2U	2U	2 U	2U	2U	5.0U	5.0U
N-TETRACDECANE	null	null																	
N-TETRACOSANE	null	null																	
NAPHTHALENE	30000	0.65	10U	1U	1U	1U	1J	2	10U	10U	1U	1U	4J	5J	1 U	2J	1U	161	154
NITROBENZENE	51000	0.35	10U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	1U	1U	2.0U	2.0U
P-ISOPROPYLTOLUENE	null	null																	
PENTACHLOROPHENOL	1000	0.56	25U	3U	3U	3U	3U	30U	31UJ	31UJ	3U	3U	3U	3U		3U	3U	10U	10U
PHENANTHRENE	1100	null	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U	1 U	1U	1U	0.45J	0.47J
PHENOL	400000	1100	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U		1U	1U	5.2J	7.5J
PYRENE	130	18	10U	1U	1U	1U	1U	10U	10U	10U	1U	1U	1U	1U	1 U	1U	1U	1.0U	1.0U
PYRIDINE	null	3.7																	
THIANAPHTHENE	null	null																	

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	**MW-118**
SAMPLE DATE	Aquifer MSC	RBC	6/5/13
VOCs			
1,1,1-TRICHLOROETHANE	2000	320	5.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	5.0U
1,1,2-TRICHLOROETHANE	50	0.19	5.0U
1,1-DICHLOROETHANE	1100	80	5.0U
1,1-DICHLOROETHENE	70	35	5.0U
1,2-DICHLOROETHANE	50	0.12	5.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	
1,2-DICHLOROPROPANE	50	0.16	5.0U
2-BUTANONE	580000	700	50U
2-HEXANONE	null	null	25U
4-METHYL-2-PENTANONE	41000	630	25U
ACETONE	100000	550	50U
ALPHA METHYL STYRENE	null	43	
BENZENE	500	0.34	**1720**
BROMODICHLOROMETHANE	100	0.17	5.0U
BROMOFORM	10000	8.5	20U
BROMOMETHANE	1000	0.85	10U
CARBON DISULFIDE	4100	100	10U
CARBON TETRACHLORIDE	50	0.16	5.0U
CHLOROBENZENE	10000	11	5.0U
CHLORODIBROMOMETHANE	10000	0.13	5.0U
CHLOROETHANE	90000	3.6	5.0U
CHLOROFORM	1000	0.15	5.0U
CHLOROMETHANE	300	19	5.0U
CIS-1,2-DICHLOROETHENE	700	6.1	5.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	5.0U
ETHYLBENZENE	70000	130	198
ISOPROPYLBENZENE	50000	66	3270
METHYL ACETATE	null	null	25U
METHYL TERT-BUTYL ETHER	200	2.6	1.1J
METHYLCYCLOHEXANE	null	630	25U
METHYLENE CHLORIDE	500	4.1	10U
STYRENE	10000	160	25U
TERT-BUTYL ALCOHOL	null	null	
TETRACHLOROETHENE	50	0.1	5.0U
TOLUENE	100000	75	13.3
TRANS-1,2-DICHLOROETHENE	1000	12	5.0U
TRANS-1,3-DICHLOROPROPENE	null		5.0U
TRICHLOROETHENE	50	0.026	5.0U
TRICHLOROFLUOROMETHANE	200000	130	25U
VINYL CHLORIDE	20	0.015	5.0U
XYLENES, TOTAL	180000	21	676

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	**MW-118**
SAMPLE DATE	Aquifer MSC	RBC	6/5/13
SVOCs	Aquifers		
1,1'-BIPHENYL	null	30	3.9
1,2,4-TRICHLOROBENZENE	44000	0.72	25U
1,2-DICHLOROBENZENE	60000	27	5.0U
1,3-DICHLOROBENZENE	60000	18	5.0U
1,4-DICHLOROBENZENE	7500	0.47	5.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	2.0U
2,4,5-TRICHLOROPHENOL	1000000	370	5.1U
2,4,6-TRICHLOROPHENOL	31000	6.1	5.1U
2,4-DICHLOROPHENOL	20000	11	5.1U
2,4-DIMETHYLPHENOL	2000000	73	33.2
2,4-DINITROPHENOL	410	7.3	20U
2,4-DINITROTOLUENE	8400	7.3	2.0U
2,6-DINITROTOLUENE	100000	3.7	2.0U
2-CHLORONAPHTHALENE	8200	49	2.0U
2-CHLOROPHENOL	40	3	5.1U
2-METHYLNAPHTHALENE	2000	2.4	12.1
2-METHYLPHENOL	510000	180	1.3J
2-NAPHTHYLAMINE	null	null	
2-NITROANILINE	5.8	11	5.1U
2-NITROPHENOL	820000	null	5.1U
3,3'-DICHLOROBENZIDINE	3100	0.15	5.1U
3-NITROANILINE	5.8	1.1	5.1U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	20U
4-BROMOPHENYL PHENYL ETHER	null	null	2.0U
4-CHLORO-3-METHYLPHENOL	510	null	5.1U
4-CHLOROANILINE	410	15	5.1U
4-CHLOROPHENYL PHENYL ETHER	null	null	2.0U
4-METHYLPHENOL	510000	18	
4-NITROANILINE	5.8	3.3	5.1U
4-NITROPHENOL	60000	null	10U
ACENAPHTHENE	3800	37	19
ACENAPHTHYLENE	16000	null	1.0U
ACETOPHENONE	null	61	13.6
ALPHA-NAPHTHYLAMINE	null	null	
ANTHRACENE	66	180	0.42J
BENZALDEHYDE	null	370	5.1U
BENZO(A)ANTHRACENE	11	0.092	1.0U
BENZO(A)PYRENE	3.8	0.0092	1.0U
BENZO(B)FLUORANTHENE	1.2	0.092	1.0U
BENZO(G,H,I)PERYLENE	0.26	null	1.0U
BENZO(K)FLUORANTHENE	0.55	0.92	1.0U
BENZOIC ACID	null	15000	

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-118
SAMPLE DATE	Aquifer MSC	RBC	6/5/13
SVOCs (cont.)			
BIS(2-CHLOROETHOXY)METHANE	null	null	2.0U
BIS(2-CHLOROETHYL)ETHER	55	96	2.0U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	1.1J
BUTYLBENZYL PHTHALATE	2700	730	2.0U
CAPROLACTAM	null	null	2.0U
CARBAZOLE	1200	3.3	3.0
CHRYSENE	1.9	9.2	1.0U
DI-N-BUTYL PHTHALATE	400000	370	2.0U
DI-N-OCTYL PHTHALATE	3000	150	2.0U
DIBENZIOTHIOPHENE	null	null	
DIBENZO(A,H)ANTHRACENE	0.6	92	1.0U
DIBENZOFURAN	null	1.2	14.9
DIETHYL PHTHALATE	1100000	2900	2.0U
DIMETHYL PHTHALATE	null	37000	2.0U
DIPHENYLETHER	null	null	
FLUORANTHENE	260	150	1.0U
FLUORENE	1900	24	10.4
HEXACHLOROBENZENE	6	0.042	1.0U
HEXACHLOROBUTADIENE	1000	0.73	1.0U
HEXACHLOROCYCLOPENTADIENE	1800	22	10U
HEXACHLOROETHANE	100	3.65	2.0U
HEXANOIC ACID	null	null	
INDENO(1,2,3-CD)PYRENE	62	0.092	1.0U
ISOPHORONE	100000	70	2.0U
N-EIOCOSANE	null	null	
N-HEXADACANE	null	null	
N-NITROSO-DI-N-PROPYLAMINE	370	96	2.0U
N-NITROSODIPHENYLAMINE	35000	14	5.1U
N-TETRACDECANE	null	null	
N-TETRACOSANE	null	null	
NAPHTHALENE	30000	0.65	5.8
NITROBENZENE	51000	0.35	2.0U
P-ISOPROPYLTOLUENE	null	null	
PENTACHLOROPHENOL	1000	0.56	10U
PHENANTHRENE	1100	null	1.5
PHENOL	400000	1100	44.6
PYRENE	130	18	1.0U
PYRIDINE	null	3.7	
THIANAPHTHENE	null	null	

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-119						
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	4/1/04	6/9/04	12/13/04	6/15/05	6/5/13
VOCs									
1,1,1-TRICHLOROETHANE	2000	320	100U		8U	8U	8U	80U	5.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	100U		10U	10U	10U	100U	5.0U
1,1,2-TRICHLOROETHANE	50	0.19	100U		8U	8U	8U	80U	5.0U
1,1-DICHLOROETHANE	1100	80	100U		10U	10U	10U	100U	5.0U
1,1-DICHLOROETHENE	70	35	100U		8U	8U	8U	80U	5.0U
1,2-DICHLOROETHANE	50	0.12	100U		10U	10U	10U	100U	5.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	100U						
1,2-DICHLOROPROPANE	50	0.16	100U		10U	10U	10U	100U	5.0U
2-BUTANONE	580000	700	100U		30U	30U	30R	300U	50U
2-HEXANONE	null	null	100U		30U	30U	30U	300U	25U
4-METHYL-2-PENTANONE	41000	630	100U		30U	30U	30U	300U	25U
ACETONE	100000	550	100U	BDL	60U	60R	60R	600UJ	50U
ALPHA METHYL STYRENE	null	43	BDL	BDL					
BENZENE	500	0.34	**1300**	**1300**	**770**	**1500**	**2600**	**1500**	253
BROMODICHLOROMETHANE	100	0.17	100U		10U	10U	10U	100U	5.0U
BROMOFORM	10000	8.5	100U		10U	10U	10U	100U	20U
BROMOMETHANE	1000	0.85	100U		10U	10U	10U	100U	10U
CARBON DISULFIDE	4100	100	100U		10U	10U	10U	100U	10U
CARBON TETRACHLORIDE	50	0.16	100U		10U	10U	10U	100U	5.0U
CHLOROBENZENE	10000	11	100U	BDL	8U	8U	8U	80U	5.0U
CHLORODIBROMOMETHANE	10000	0.13	100U		10U	10U	10U	100U	5.0U
CHLOROETHANE	90000	3.6	100U		10U	10U	10U	100U	5.0U
CHLOROFORM	1000	0.15	100U	7	8U	8U	8U	80U	5.0U
CHLOROMETHANE	300	19	100U		10U	10U	10U	100U	5.0U
CIS-1,2-DICHLOROETHENE	700	6.1			8U	8U	8U	80U	5.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	100U		10U	10U	10U	100U	5.0U
ETHYLBENZENE	70000	130	380	710	470	580	500	620	251
ISOPROPYLBENZENE	50000	66	95J	51	38J	51	36J	100U	40.9
METHYL ACETATE	null	null							25U
METHYL TERT-BUTYL ETHER	200	2.6		BDL	5U	5U		50U	5.0U
METHYLCYCLOHEXANE	null	630							6.3J
METHYLENE CHLORIDE	500	4.1			20U	20U	20U	200U	10U
STYRENE	10000	160	530	120	100	10U	70U	820	127
TERT-BUTYL ALCOHOL	null	null			100U	100U	100U	1000U	
TETRACHLOROETHENE	50	0.1	100U		8U	8U	8U	80U	5.0U
TOLUENE	100000	75	4800	2800	1500	2800	590	5000	802
TRANS-1,2-DICHLOROETHENE	1000	12			8U	8U	8U	80U	5.0U
TRANS-1,3-DICHLOROPROPENE	null		100U		10U	10U	10U	100U	5.0U
TRICHLOROETHENE	50	0.026	100U		10U	10U	10U	100U	5.0U
TRICHLOROFLUOROMETHANE	200000	130			20U	20U	20U	200U	25U
VINYL CHLORIDE	20	0.015	100U		10U	10U	10U	100U	5.0U
XYLENES, TOTAL	180000	21	3500	3070	2000	2900	1300	4800	1180

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-119						
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	4/1/04	6/9/04	12/13/04	6/15/05	6/5/13
SVOCs	Aquifers								
1,1'-BIPHENYL	null	30							36.2
1,2,4-TRICHLOROBENZENE	44000	0.72	400U		1U	5U	10U	1U	25U
1,2-DICHLOROBENZENE	60000	27	400U		1U	5U	10U	1U	5.0U
1,3-DICHLOROBENZENE	60000	18	400U		1U	5U	10U	1U	5.0U
1,4-DICHLOROBENZENE	7500	0.47	400U		1U	5U	10U	1U	5.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	400U		1U	5U	10U	1U	2.0U
2,4,5-TRICHLOROPHENOL	1000000	370	1000U		1U	5U	10U	1U	5.0U
2,4,6-TRICHLOROPHENOL	31000	6.1	400U		1U	5U	10U	1U	5.0U
2,4-DICHLOROPHENOL	20000	11	400U		1U	5U	10U	1U	5.0U
2,4-DIMETHYLPHENOL	2000000	73	640	470	490	940	1500	610	103
2,4-DINITROPHENOL	410	7.3	1000U		19U	97U	200U	21U	20U
2,4-DINITROTOLUENE	8400	7.3	400U		1U	5U	10U	1U	2.0U
2,6-DINITROTOLUENE	100000	3.7	400U		1U	5U	10U	1U	2.0U
2-CHLORONAPHTHALENE	8200	49	400U		1U	5U	10U	1U	2.0U
2-CHLOROPHENOL	40	3	400U		1U	5U	10U	1U	5.0U
2-METHYLNAPHTHALENE	2000	2.4	530	BDL	340	490	790	550	363
2-METHYLPHENOL	510000	180	310J	250	160	93	130	120	203
2-NAPHTHYLAMINE	null	null							
2-NITROANILINE	5.8	11	1000U		1U	5U	10U	1U	5.0U
2-NITROPHENOL	820000	null	400U		1U	5U	10U	1U	5.0U
3,3'-DICHLOROBENZIDINE	3100	0.15	400U		1U	5U	10U	2U	5.0U
3-NITROANILINE	5.8	1.1	1000U		1U	5U	10U	1U	5.0U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	1000U		5U	24U	50U	5U	20U
4-BROMOPHENYL PHENYL ETHER	null	null	400U		1U	5U	10U	1U	2.0U
4-CHLORO-3-METHYLPHENOL	510	null	400U		1U	5U	10U	1U	5.0U
4-CHLOROANILINE	410	15	400U	BDL	1U	5U	10U	1U	5.0U
4-CHLOROPHENYL PHENYL ETHER	null	null	400U		1U	5U	10U	1U	2.0U
4-METHYLPHENOL	510000	18	480	190	300	130	140	160	
4-NITROANILINE	5.8	3.3	1000U		1U	5U	10U	1U	5.0U
4-NITROPHENOL	60000	null	1000U		10U	49U	100U	10U	10U
ACENAPHTHENE	3800	37	400U	39	60	110	180	76	43.6
ACENAPHTHYLENE	16000	null	400U	9	10	11J	21J	28	10.5
ACETOPHENONE	null	61							2.0U
ALPHA-NAPHTHYLAMINE	null	null							
ANTHRACENE	66	180	400U	9	29	38J	100	10J	15.9
BENZALDEHYDE	null	370							5.0U
BENZO(A)ANTHRACENE	11	0.092	400U	1J	4J	8J	37J	1U	1.2
BENZO(A)PYRENE	3.8	0.0092	400U	BDL	2J	5U	22J	1U	0.68J
BENZO(B)FLUORANTHENE	1.2	0.092	400U	BDL	2J	6J	28J	1U	0.73J
BENZO(G,H,I)PERYLENE	0.26	null	400U	BDL	1U	5U	11J	1U	1.0U
BENZO(K)FLUORANTHENE	0.55	0.92	400U	BDL	1J	5U	15J	1U	1.0U
BENZOIC ACID	null	15000							

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Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-119						
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	4/1/04	6/9/04	12/13/04	6/15/05	6/5/13
SVOCs (cont.)									
BIS(2-CHLOROETHOXY)METHANE	null	null	400U	BDL	1U	5U	10U	1U	2.0U
BIS(2-CHLOROETHYL)ETHER	55	96	400U	BDL	1U	5U	10U	1U	2.0U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	400U	2J	6J	10U	20U	2U	2.0U
BUTYLBENZYL PHTHALATE	2700	730	400U		2U	10U	20U	2U	2.0U
CAPROLACTAM	null	null							2.0U
CARBAZOLE	1200	3.3	400U	52	43	45J	71J	72	81.9
CHRYSENE	1.9	9.2	400U	BDL	3J	8J	31J	1U	1.1
DI-N-BUTYL PHTHALATE	400000	370	400U	BDL	2U	10U	20U	2U	2.0U
DI-N-OCTYL PHTHALATE	3000	150	400U		2U	10U	20U	2U	2.0U
DIBENZIOTHIOPHENE	null	null							
DIBENZO(A,H)ANTHRACENE	0.6	92	400U	BDL	1U	5U	10U	1U	1.0U
DIBENZOFURAN	null	1.2	100J	49	65	120	210	86	49.8
DIETHYL PHTHALATE	1100000	2900	400U	BDL	2U	10U	20U	2U	2.0U
DIMETHYL PHTHALATE	null	37000	400U	BDL	2U	10U	20U	2U	2.3
DIPHENYLETHER	null	null							
FLUORANTHENE	260	150	400U	10	19	44J	160	7J	7.1
FLUORENE	1900	24	400U	34B	60	94	180	56	61.1
HEXACHLOROBENZENE	6	0.042	400U		1U	5U	10U	1U	1.0U
HEXACHLOROBUTADIENE	1000	0.73	400U		1U	5U	10U	1U	1.0U
HEXACHLOROCYCLOPENTADIENE	1800	22	400U		5U	24U	50U	5U	10U
HEXACHLOROETHANE	100	3.65	400U		1U	5U	10U	1U	2.0U
HEXANOIC ACID	null	null							
INDENO(1,2,3-CD)PYRENE	62	0.092	400U	BDL	1J	5U	11J	1U	1.0U
ISOPHORONE	100000	70	400U		1U	5U	10U	1U	2.0U
N-EIOCOSANE	null	null							
N-HEXADACANE	null	null							
N-NITROSO-DI-N-PROPYLAMINE	370	96	400U		1U	5U	10U	1U	2.0U
N-NITROSODIPHENYLAMINE	35000	14	400U		2U	10U	20U	2U	5.0U
N-TETRACDECANE	null	null							
N-TETRACOSANE	null	null							
NAPHTHALENE	30000	0.65	8000	2800	4200	5100	8100	6900	2850
NITROBENZENE	51000	0.35	400U	BDL	1U	5U	10U	1U	2.0U
P-ISOPROPYLTOLUENE	null	null							
PENTACHLOROPHENOL	1000	0.56	1000U		3U	15U	30U	3U	10U
PHENANTHRENE	1100	null	400U	54	82	180	450	58	42.4
PHENOL	400000	1100	1200	240	500	120	140	140	966
PYRENE	130	18	400U	12	12	30J	110	4J	5.0
PYRIDINE	null	3.7							
THIANAPHTHENE	null	null							

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	Most	MW-120		MW-121													
SAMPLE DATE	Aquifer MSC	RBC	Stringent	10/1/93	6/1/96	10/1/93	6/1/96	8/1/00	9/1/01	12/12/03	6/7/04	12/13/04	6/14/05	8/11/06	6/6/07	6/27/08	6/10/09	6/17/10	6/15/11
VOCs																			
1,1,1-TRICHLOROETHANE	2000	320	200	10U	BDL	10U	BDL	10U	10U	0.8UL	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U
1,1,2,2-TETRACHLOROETHANE	30	0.053	0.053	10U		10U		10U	10U	1UL	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U
1,1,2-TRICHLOROETHANE	50	0.19	0.19	10U		10U		10U	10U	0.8UL	0.8U	0.8U	0.8U	3U	3U	0.8UJ	0.8U	0.8 U	0.8U
1,1-DICHLOROETHANE	1100	80	27	10U		10U		10U	10U	1UL	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U
1,1-DICHLOROETHENE	70	35	7	10U	BDL	10U	BDL	10U	10U	0.8UL	0.8U	0.8U	0.8U	2U	2U	0.8UJ	0.8U	0.8 U	0.8U
1,2-DICHLOROETHANE	50	0.12	0.12	10U	BDL	19B	BDL	10U	10U	1UL	1U	1U	1U	2U	2U	1UJ	1U	1 U	1U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	5.5	10U	BDL	10U	BDL	10U	10U										
1,2-DICHLOROPROPANE	50	0.16	0.16	10U		10U		10U	10U	1UL	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U
2-BUTANONE	580000	700	700	10U		10U		10U	10U	3UL	3U	3J	3U	5U	5UJ	3UJ	3U	3 U	3U
2-HEXANONE	null	null	null	10U		10U		10U	10U	3UL	3U	3U	3U	5U	5UJ	3UJ	3U	3 U	3U
4-METHYL-2-PENTANONE	41000	630	190	10U		10U		10U	10U	3UL	3U	3U	3U	5U	5UJ	3UJ	3U	3 U	3U
ACETONE	100000	550	550	10U	BDL	10U	BDL	10U	10U	6UL	6U	6R	6U	5U	5U	6UJ	7J	7 J	6U
ALPHA METHYL STYRENE	null	43	43	BDL		BDL		10U	10U										
BENZENE	500	0.34	0.34	10U	BDL	10U	BDL	10U	10U	0.5UL	0.5U	5B	0.5U	1U	1U	0.5UJ	0.5U	0.5 U	0.5U
BROMODICHLOROMETHANE	100	0.17	0.17	10U		10U		10U	10U	1UL	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U
BROMOFORM	10000	8.5	8.5	10U		10U		10U	10U	1UL	1U	1U	1U	4U	4U	1UJ	1U	1 U	1U
BROMOMETHANE	1000	0.85	0.85	10U		10U		10U	10U	1UL	1U	1U	1U	5U	5UJ	1UJ	1U	1 U	1U
CARBON DISULFIDE	4100	100	100	10U		10UJ		10U	10U	1UL	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U
CARBON TETRACHLORIDE	50	0.16	0.16	10U		10U		10U	10U	1UL	1U	1U	1U	2U	2U	1UJ	1U	1 U	1U
CHLOROBENZENE	10000	11	11	10U	BDL	10U	BDL	0.8J	10U	0.8UL	0.8U	0.8U	0.8U	5U	0.5J	0.8UJ	0.90J	0.8 U	0.8U
CHLORODIBROMOMETHANE	10000	0.13	0.13	10U		10U		10U	10U	1UL	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U
CHLOROETHANE	90000	3.6	3.6	10U		10U		10U	10U	1UL	1U	1U	1U	5U	5UJ	1UJ	1U	1 U	1U
CHLOROFORM	1000	0.15	0.15	10U	BDL	10U	BDL	10U	10U	0.8UL	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U
CHLOROMETHANE	300	19	3	10U		10U		10U	10U	1UL	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U
CIS-1,2-DICHLOROETHENE	700	6.1	6.1							0.8UL	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U
CIS-1,3-DICHLOROPROPENE	null	0.44	0.44	10U		10U		10U	10U	1U	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U
ETHYLBENZENE	70000	130	130	10U	BDL	10U	BDL	10U	10U	0.8UL	0.8U	4B	0.8U	4U	4U	0.8UJ	0.8U	0.8 U	0.8U
ISOPROPYLBENZENE	50000	66	66	BDL	BDL	BDL	BDL	10U	10U	1UL	1U	3J	1U	1.4J	9	1UJ	2J	1 U	1U
METHYL ACETATE	null	null	null					10U	10U										
METHYL TERT-BUTYL ETHER	200	2.6	2.6					30	1J	0.5UL	0.5U		0.5U			0.5UJ	0.5U	0.5 U	0.5U
METHYLCYCLOHEXANE	null	630	630					10U	10U										
METHYLENE CHLORIDE	500	4.1	4.1							2UL	2U	2U	2U	3U	3U	2UJ	2U	2 U	2U
STYRENE	10000	160	100	10U	BDL	10U	BDL	10U	10U	1UL	1U	2U	1U	5U	5U	1UJ	1U	1 U	1U
TERT-BUTYL ALCOHOL	null	null	null							10UL	10U	10U	10U			10UJ	10U	10 U	10U
TETRACHLOROETHENE	50	0.1	0.1	10U		10U		10U	10U	0.8UL	0.8U	0.8U	0.8U	1U	1U	0.8UJ	0.8U	0.8 U	0.8U
TOLUENE	100000	75	75	10U	BDL	10U	BDL	10U	10U	0.7UL	0.7U	19B	0.7U	5U	0.40J	0.7UJ	0.70U	0.7 U	0.7U
TRANS-1,2-DICHLOROETHENE	1000	12	12							0.8UL	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	1J
TRANS-1,3-DICHLOROPROPENE	null		0.44	10U		10U		10U	10U	1UL	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U
TRICHLOROETHENE	50	0.026	0.026	10U	BDL	10U	BDL	10U	10U	1UL	1U	1U	1U	1U	1U	1UJ	1U	1 U	1U
TRICHLOROFLUOROMETHANE	200000	130	130							2UL	2U	2U	2U			2UJ	2U	2 U	2U
VINYL CHLORIDE	20	0.015	0.015	10U		10U		10U	10U	1UL	1U	1U	1U	5U	5U	1UJ	1U	1 U	1U
XYLENES, TOTAL	180000	21	21	10U	BDL	10U	BDL	4J	10U	0.8UL	0.8U	26	0.8U	5U	0.40J	0.8UJ	0.8U	0.8 U	0.8U

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	Most	MW-120		MW-121													
SAMPLE DATE	Aquifer MSC	RBC	Stringent	10/1/93	6/1/96	10/1/93	6/1/96	8/1/00	9/1/01	12/12/03	6/7/04	12/13/04	6/14/05	8/11/06	6/6/07	6/27/08	6/10/09	6/17/10	6/15/11
SVOCs	Aquifers																		
1,1'-BIPHENYL	null	30	30					0.2J	10U										
1,2,4-TRICHLOROBENZENE	44000	0.72	0.72	10U		10U		10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	0.9 U	1U
1,2-DICHLOROBENZENE	60000	27	27	10U		10U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
1,3-DICHLOROBENZENE	60000	18	18	10U		10U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
1,4-DICHLOROBENZENE	7500	0.47	0.47	10U		10U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	0.26	10U		10U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
2,4,5-TRICHLOROPHENOL	1000000	370	370	25U		25U		25U	25U	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
2,4,6-TRICHLOROPHENOL	31000	6.1	6.1	10U		10U		10U	10U	1U	1U	1U	1U	10U	10UJ	1U	1U	0.9 U	1U
2,4-DICHLOROPHENOL	20000	11	11	10U		10U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
2,4-DIMETHYLPHENOL	2000000	73	73	10U	BDL	10U	BDL	0.6J		1U	1U	1U	3U	10U	10U	4U	3U	3 U	3U
2,4-DINITROPHENOL	410	7.3	7.3	25U		25UJ		25U	25U	22U	19U	20U	20U	30U		29U	21U	9 U	10U
2,4-DINITROTOLUENE	8400	7.3	2.1	10U		10U		10U	10U	1U	1U	1U	1U	2U	2.10U	1U	1U	0.9 U	1U
2,6-DINITROTOLUENE	100000	3.7	3.7	10U		10U		10U	10U	1U	1U	1U	1U	2U	2.10U	1U	1U	0.9 U	1U
2-CHLORONAPHTHALENE	8200	49	49	10U		10U		10U	10U	1U	1U	1U	1U	10U	10U	3U	2U	2 U	2U
2-CHLOROPHENOL	40	3	3	10U		10U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
2-METHYLNAPHTHALENE	2000	2.4	2.4	10U	BDL	10U	BDL	0.8J	10U	1U	1U	15B	1U	10U	10U	1U	1U	4 J	1U
2-METHYLPHENOL	510000	180	180	10U	BDL	10U	BDL	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
2-NAPHTHYLAMINE	null	null	0.37					10U	10U										
2-NITROANILINE	5.8	11	2.1	25U		25U		25U	25U	1U	1U	1U	1U	20U	21U	1U	1U	0.9 U	1U
2-NITROPHENOL	820000	null	290	10U		10U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
3,3'-DICHLOROBENZIDINE	3100	0.15	0.15	10U		10U		10U	10U	1U	1U	1U	2U	20U	21U	3U	2U	2 U	2U
3-NITROANILINE	5.8	1.1	1.1	25U		25U		25U	25U	1U	1U	1U	1U	20U	21U	1U	1U	0.9 U	1U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	0.37	25U		25U		25U	25U	6U	5U	5U	5U	30U		7U	5U	5 U	5U
4-BROMOPHENYL PHENYL ETHER	null	null	null	10U		10U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
4-CHLORO-3-METHYLPHENOL	510	null	180	10U		10U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
4-CHLOROANILINE	410	15	15	10U		10U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
4-CHLOROPHENYL PHENYL ETHER	null	null	null	10U		10U		10U	10U	1U	1U	1U	1U	10U	10U	3U	2U	2 U	2U
4-METHYLPHENOL	510000	18	18	10U	BDL	10U	BDL	0.1J	0.1J	2U	2U	2U	2U	10U	10U	3U	2U	2 U	2U
4-NITROANILINE	5.8	3.3	2.1	25U		25U		25U	25U	1U	1U	1U	1U	20U	21U	1U	1U	0.9 U	1U
4-NITROPHENOL	60000	null	60	25U		25U		25U	25U	11U	10U	10U	10U	30U	31U	14U	10U	9 U	10U
ACENAPHTHENE	3800	37	37	10U	BDL	10U	BDL	0.2J	10U	1U	1U	1B	1U	10U	10U	1U	1U	0.9 U	1U
ACENAPHTHYLENE	16000	null	2200	10U		10U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
ACETOPHENONE	null	61	61					10U	10U										
ALPHA-NAPHTHYLAMINE	null	null	0.37					10U	10U										
ANTHRACENE	66	180	66	10U	BDL	10U	BDL	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
BENZALDEHYDE	null	370	370					10U	0.2J										
BENZO(A)ANTHRACENE	11	0.092	0.092	10U		10U		10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	0.9 U	1U
BENZO(A)PYRENE	3.8	0.0092	0.0092	10U		10U		10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	0.9 U	1U
BENZO(B)FLUORANTHENE	1.2	0.092	0.092	10U		10U		10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	0.9 U	1U
BENZO(G,H,I)PERYLENE	0.26	null	0.26	10U		10U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
BENZO(K)FLUORANTHENE	0.55	0.92	0.55	10U		10U		10U	10U	1U	1U	1U	1U	1U	1UJ	1U	1U	0.9 U	1U
BENZOIC ACID	null	15000	15000		BDL		BDL	10U	10U										

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Reviewed by: JJH 9/13/2013

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Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	Most	MW-120		MW-121													
SAMPLE DATE	Aquifer MSC	RBC	Stringent	10/1/93	6/1/96	10/1/93	6/1/96	8/1/00	9/1/01	12/12/03	6/7/04	12/13/04	6/14/05	8/11/06	6/6/07	6/27/08	6/10/09	6/17/10	6/15/11
SVOCs (cont.)																			
BIS(2-CHLOROETHOXY)METHANE	null	null	null	10U		10U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
BIS(2-CHLOROETHYL)ETHER	55	96	96	10U		10U		10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	0.9 U	1U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	4.8	10U		10U		10U	10U	3J	2J	4J	2U	10U	10U	4J	2U	2 J	2U
BUTYLBENZYL PHTHALATE	2700	730	730	10U		10U		10U	10U	2U	2U	2U	2U	10U	10U	3U	2U	2 U	2U
CAPROLACTAM	null	null	null					10U	10U								1U		
CARBAZOLE	1200	3.3	3.3	10U	BDL	10U	BDL	10U	10U	1U	1U	1U	1U	10U	10U	1U		0.9 U	1U
CHRYSENE	1.9	9.2	1.9	10U		10U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
DI-N-BUTYL PHTHALATE	400000	370	370	10U		4B		10U	10U	2U	2U	2U	2U	10U	10U	3U	2U	2 U	2U
DI-N-OCTYL PHTHALATE	3000	150	150	10U		10U		10U	10U	2U	2U	2U	2U	10U	10U	3U	2U	2 U	2U
DIBENZIOTHIOPHENE	null	null	null					10U	10U										
DIBENZO(A,H)ANTHRACENE	0.6	92	92	10U		10U		10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	0.9 U	1U
DIBENZOFURAN	null	1.2	1.2	10U	BDL	10U	BDL	10U	10U	1U	1U	1J	1U	10U	10U	1U	1U	0.9 U	1U
DIETHYL PHTHALATE	1100000	2900	2900	10U		10U		10U	10U	2U	2U	2U	2U	10U	10U	3U	2U	2 U	2U
DIMETHYL PHTHALATE	null	37000	37000	10U	BDL	10U	BDL	10U	10U	2U	2U	2U	2U	10U	10U	3U	2U	2 U	2U
DIPHENYLETHER	null	null	null					10U	10U										
FLUORANTHENE	260	150	150	10U	BDL	10U	BDL	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 J	1J
FLUORENE	1900	24	24	10U	BDL	10U	BDL	0.2J	10U	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
HEXACHLOROBENZENE	6	0.042	0.042	10U		10U		10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	0.9 U	1U
HEXACHLOROBUTADIENE	1000	0.73	0.73	10U		10U		10U	10U	1U	1U	1U	1U	2U	2.10U	1U	1U	0.9 U	1U
HEXACHLOROCYCLOPENTADIENE	1800	22	22	10U		10U		10U	10U	6U	5U	5U	5U	10U	10UJ	7U	5U	5 U	5U
HEXACHLOROETHANE	100	3.65	1	10U		10U		10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	0.9 U	1U
HEXANOIC ACID	null	null	null					10U	10U										
INDENO(1,2,3-CD)PYRENE	62	0.092	0.092	10U		10U		10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	0.9 U	1U
ISOPHORONE	100000	70	70	10U		10U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
N-EIOCOSANE	null	null	null					10U	10U										
N-HEXADACANE	null	null	null					10U	10U										
N-NITROSO-DI-N-PROPYLAMINE	370	96	96	10U		10U		10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	0.9 U	1U
N-NITROSODIPHENYLAMINE	35000	14	14	10U		10U		10U	10U	2U	2U	2U	2U	10U	10U	3U	2U	2 U	2U
N-TETRACDECANE	null	null	null					10U	10U										
N-TETRACOSANE	null	null	null					10U	10U										
NAPHTHALENE	30000	0.65	0.65	10U	BDL	10U	BDL	1J	0.2J	1U	1U	200	1U	10U	10U	1U	4J	110	1U
NITROBENZENE	51000	0.35	0.35	10U		10U		10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	0.9 U	1U
P-ISOPROPYLTOLUENE	null	null	null					10U	10U										
PENTACHLOROPHENOL	1000	0.56	0.56	25U		25U		25U	25U	3U	3U	3U	3U	30U	31UJ	4U	3U	3 U	3U
PHENANTHRENE	1100	null	1100	10U	BDL	10U	BDL	10U	10U	1U	1U	1B	1U	10U	10U	1U	1U	0.9 U	1U
PHENOL	400000	1100	1100	10U	BDL	10U	BDL	0.5J	0.9J	1U	1U	1U	1U	10U	10U	1U	1U	0.9 U	1U
PYRENE	130	18	18	10U	BDL	10U	BDL	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 J	1J
PYRIDINE	null	3.7	3.7					10U	10U										
THIANAPHTHENE	null	null	null					10U	10U										

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Reviewed by: JJH 9/13/2013

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Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-121	
SAMPLE DATE	Aquifer MSC	RBC	6/14/12	6/5/13
VOCs				
1,1,1-TRICHLOROETHANE	2000	320	1.0U	1.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	1.0U	1.0U
1,1,2-TRICHLOROETHANE	50	0.19	1.0U	1.0U
1,1-DICHLOROETHANE	1100	80	1.0U	1.0U
1,1-DICHLOROETHENE	70	35	1.0U	1.0U
1,2-DICHLOROETHANE	50	0.12	1.0U	1.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5		
1,2-DICHLOROPROPANE	50	0.16	1.0U	1.0U
2-BUTANONE	580000	700	10U	10U
2-HEXANONE	null	null	5.0U	5.0U
4-METHYL-2-PENTANONE	41000	630	5.0U	5.0U
ACETONE	100000	550	10U	10U
ALPHA METHYL STYRENE	null	43		
BENZENE	500	0.34	1.0U	0.98J
BROMODICHLOROMETHANE	100	0.17	1.0U	1.0U
BROMOFORM	10000	8.5	4.0U	4.0U
BROMOMETHANE	1000	0.85	2.0U	2.0U
CARBON DISULFIDE	4100	100	2.0U	2.0U
CARBON TETRACHLORIDE	50	0.16	1.0U	1.0U
CHLOROBENZENE	10000	11	0.36J	0.70J
CHLORODIBROMOMETHANE	10000	0.13	1.0U	1.0U
CHLOROETHANE	90000	3.6	1.0U	1.0U
CHLOROFORM	1000	0.15	1.0U	1.0U
CHLOROMETHANE	300	19	1.0U	1.0U
CIS-1,2-DICHLOROETHENE	700	6.1	1.0U	1.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	1.0U	1.0U
ETHYLBENZENE	70000	130	1.0U	0.38J
ISOPROPYLBENZENE	50000	66	18.2	48.5
METHYL ACETATE	null	null	5.0U	5.0U
METHYL TERT-BUTYL ETHER	200	2.6	1.0U	1.0U
METHYLCYCLOHEXANE	null	630	5.0U	5.0U
METHYLENE CHLORIDE	500	4.1	2.0U	2.0U
STYRENE	10000	160	5.0U	5.0U
TERT-BUTYL ALCOHOL	null	null		
TETRACHLOROETHENE	50	0.1	1.0U	1.0U
TOLUENE	100000	75	1.0U	0.53J
TRANS-1,2-DICHLOROETHENE	1000	12	1.0U	1.0U
TRANS-1,3-DICHLOROPROPENE	null		1.0U	1.0U
TRICHLOROETHENE	50	0.026	1.0U	1.0U
TRICHLOROFLUOROMETHANE	200000	130	5.0U	5.0U
VINYL CHLORIDE	20	0.015	1.0U	1.0U
XYLENES, TOTAL	180000	21	0.27J	1.7

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WELL ID	Nonuse	USEPA	MW-121	
SAMPLE DATE	Aquifer MSC	RBC	6/14/12	6/5/13
SVOCs	Aquifers			
1,1'-BIPHENYL	null	30	1.1U	1.0U
1,2,4-TRICHLOROBENZENE	44000	0.72	5.0U	5.0U
1,2-DICHLOROBENZENE	60000	27	1.0U	1.0U
1,3-DICHLOROBENZENE	60000	18	1.0U	1.0U
1,4-DICHLOROBENZENE	7500	0.47	1.0U	1.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	2.2U	2.0U
2,4,5-TRICHLOROPHENOL	1000000	370	5.6U	5.0U
2,4,6-TRICHLOROPHENOL	31000	6.1	5.6U	5.0U
2,4-DICHLOROPHENOL	20000	11	5.6U	5.0U
2,4-DIMETHYLPHENOL	2000000	73	5.6U	5.0U
2,4-DINITROPHENOL	410	7.3	22U	20U
2,4-DINITROTOLUENE	8400	7.3	2.2U	2.0U
2,6-DINITROTOLUENE	100000	3.7	2.2U	2.0U
2-CHLORONAPHTHALENE	8200	49	2.2U	2.0U
2-CHLOROPHENOL	40	3	5.6U	5.0U
2-METHYLNAPHTHALENE	2000	2.4	1.3	1.0U
2-METHYLPHENOL	510000	180	2.2U	2.0U
2-NAPHTHYLAMINE	null	null		
2-NITROANILINE	5.8	11	5.6U	5.0U
2-NITROPHENOL	820000	null	5.6U	5.0U
3,3'-DICHLOROBENZIDINE	3100	0.15	5.6U	5.0U
3-NITROANILINE	5.8	1.1	5.6U	5.0U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	22U	20U
4-BROMOPHENYL PHENYL ETHER	null	null	2.2U	2.0U
4-CHLORO-3-METHYLPHENOL	510	null	5.6U	5.0U
4-CHLOROANILINE	410	15	5.6U	5.0U
4-CHLOROPHENYL PHENYL ETHER	null	null	2.2U	2.0U
4-METHYLPHENOL	510000	18		
4-NITROANILINE	5.8	3.3	5.6U	5.0U
4-NITROPHENOL	60000	null	11U	10U
ACENAPHTHENE	3800	37	1.1U	1.0U
ACENAPHTHYLENE	16000	null	1.1U	1.0U
ACETOPHENONE	null	61	3.5	3.4
ALPHA-NAPHTHYLAMINE	null	null		
ANTHRACENE	66	180	1.1U	1.0U
BENZALDEHYDE	null	370	5.6U	5.0U
BENZO(A)ANTHRACENE	11	0.092	1.1U	1.0U
BENZO(A)PYRENE	3.8	0.0092	1.1U	1.0U
BENZO(B)FLUORANTHENE	1.2	0.092	1.1U	1.0U
BENZO(G,H,I)PERYLENE	0.26	null	1.1U	1.0U
BENZO(K)FLUORANTHENE	0.55	0.92	1.1U	1.0U
BENZOIC ACID	null	15000		

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-121	
SAMPLE DATE	Aquifer MSC	RBC	6/14/12	6/5/13
SVOCs (cont.)				
BIS(2-CHLOROETHOXY)METHANE	null	null	2.2U	2.0U
BIS(2-CHLOROETHYL)ETHER	55	96	2.2U	2.0U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	1.6J	1.8J
BUTYLBENZYL PHTHALATE	2700	730	2.2U	2.0U
CAPROLACTAM	null	null	2.2U	2.0U
CARBAZOLE	1200	3.3	1.1U	1.0U
CHRYSENE	1.9	9.2	1.1U	1.0U
DI-N-BUTYL PHTHALATE	400000	370	2.2U	2.0U
DI-N-OCTYL PHTHALATE	3000	150	2.2U	2.0U
DIBENZIOTHIOPHENE	null	null		
DIBENZO(A,H)ANTHRACENE	0.6	92	1.1U	1.0U
DIBENZOFURAN	null	1.2	5.6U	5.0U
DIETHYL PHTHALATE	1100000	2900	2.2U	1.4J
DIMETHYL PHTHALATE	null	37000	2.2U	2.0U
DIPHENYLETHER	null	null		
FLUORANTHENE	260	150	0.84J	1.0U
FLUORENE	1900	24	1.1U	1.0U
HEXACHLOROBENZENE	6	0.042	1.1U	1.0U
HEXACHLOROBUTADIENE	1000	0.73	1.1U	1.0U
HEXACHLOROCYCLOPENTADIENE	1800	22	11U	10U
HEXACHLOROETHANE	100	3.65	2.2U	2.0U
HEXANOIC ACID	null	null		
INDENO(1,2,3-CD)PYRENE	62	0.092	1.1U	1.0U
ISOPHORONE	100000	70	2.2U	2.0U
N-EIOCOSANE	null	null		
N-HEXADACANE	null	null		
N-NITROSO-DI-N-PROPYLAMINE	370	96	2.2U	2.0U
N-NITROSODIPHENYLAMINE	35000	14	5.6U	5.0U
N-TETRACDECANE	null	null		
N-TETRACOSANE	null	null		
NAPHTHALENE	30000	0.65	54.4	3.0
NITROBENZENE	51000	0.35	2.2U	2.0U
P-ISOPROPYLTOLUENE	null	null		
PENTACHLOROPHENOL	1000	0.56	11U	10U
PHENANTHRENE	1100	null	0.61J	1.0U
PHENOL	400000	1100	2.2U	2.0U
PYRENE	130	18	0.63J	1.0U
PYRIDINE	null	3.7		
THIANAPHTHENE	null	null		

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	Most	MW-122															
SAMPLE DATE	Aquifer MSC	RBC	Stringent	10/1/93	12/1/98	8/1/00	9/1/01	12/12/03	6/7/04	12/13/04	6/14/05	8/11/06	6/6/07	6/27/08	6/10/09	6/17/10	6/15/11	6/14/12	6/5/13
VOCs																			
1,1,1-TRICHLOROETHANE	2000	320	200	10U		500U	100U	4UL	16U	8U	0.8U	1200U	1000U	16UJ	0.8U	4 U	0.8U	10U	5.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	0.053	10U		500U	100U	5UL	20U	10U	1U	250U	200U	20UJ	1U	5 U	1U	10U	5.0U
1,1,2-TRICHLOROETHANE	50	0.19	0.19	10U		500U	100U	4UL	16U	8U	0.8U	750U	600U	16UJ	0.8U	4 U	0.8U	10U	5.0U
1,1-DICHLOROETHANE	1100	80	27	10U		500U	100U	5UL	20U	10U	1U	1200U	1000U	20UJ	1U	5 U	1U	10U	5.0U
1,1-DICHLOROETHENE	70	35	7	10U		500U	100U	4UL	16U	8U	0.8U	500U	400U	16UJ	0.8U	4 U	0.8U	10U	5.0U
1,2-DICHLOROETHANE	50	0.12	0.12	10U		500U	100U	5UL	20U	10U	1U	500U	400U	20UJ	1U	5 U	1U	10U	5.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	5.5	10U		500U	100U												
1,2-DICHLOROPROPANE	50	0.16	0.16	10U		500U	100U	5UL	20U	10U	1U	250U	200U	20UJ	1U	5 U	1U	10U	5.0U
2-BUTANONE	580000	700	700	10U		500U	100U	15UL	60U	30R	3U	1200U	1000UJ	60UJ	3U	15 U	3U	100U	50U
2-HEXANONE	null	null	null	10U		500U	100U	15UL	60U	30U	3U	1200U	1000UJ	60UJ	3U	15 U	3U	50U	25U
4-METHYL-2-PENTANONE	41000	630	190	10U		500U	100U	15UL	60U	30U	3U	1200U	1000UJ	60UJ	3U	15 U	3U	50U	25U
ACETONE	100000	550	550	11B	BDL	500U	100U	30UL	120U	60R	6U	1200U	1000U	120UJ	7J	30 U	6U	100U	50U
ALPHA METHYL STYRENE	null	43	43	BDL	BDL	500U	100U												
BENZENE	500	0.34	0.34	52	BDL	65J	49J	47L	31J	30B	32	250U	200U	57J	34	28	30	30.3	32.1
BROMODICHLOROMETHANE	100	0.17	0.17	10U		500U	100U	5UL	20U	10U	1U	250U	200U	20UJ	1U	5 U	1U	10U	5.0U
BROMOFORM	10000	8.5	8.5	10U		500U	100U	5UL	20U	10U	1U	1000U	800U	20UJ	1U	5 U	1U	40U	20U
BROMOMETHANE	1000	0.85	0.85	10U		500U	100U	5UL	20U	10U	1U	1200U	1000UJ	20UJ	1U	5 U	1U	20U	10U
CARBON DISULFIDE	4100	100	100	10U		500U	100U	5UL	20U	10U	1U	1200U	1000U	20UJ	1U	5 U	1U	20U	10U
CARBON TETRACHLORIDE	50	0.16	0.16	10U		500U	100U	5UL	20U	10U	1U	500U	400U	20UJ	1U	5 U	1U	10U	5.0U
CHLOROBENZENE	10000	11	11	10U	BDL	500U	100U	4UL	16U	8U	0.8U	1200U	1000U	16UJ	0.8U	4 U	0.8U	10U	5.0U
CHLORODIBROMOMETHANE	10000	0.13	0.13	10U		500U	100U	5UL	20U	10U	1U	1200U	1000U	20UJ	1U	5 U	1U	10U	5.0U
CHLOROETHANE	90000	3.6	3.6	10U		500U	100U	5UL	20U	10U	1U	1200U	1000UJ	20UJ	1U	5 U	1U	10U	5.0U
CHLOROFORM	1000	0.15	0.15	10U	BDL	500U	100U	4UL	16U	8U	0.8U	1200U	1000U	16UJ	0.8U	4 U	0.8U	10U	5.0U
CHLOROMETHANE	300	19	3	10U		500U	100U	5UL	20U	10U	1U	1200U	1000U	20UJ	1U	5 U	1U	10U	5.0U
CIS-1,2-DICHLOROETHENE	700	6.1	6.1					4UL	16U	8U	0.8U	1200U	1000U	16UJ	0.8U	4 U	0.8U	10U	5.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	0.44	10U		500U	100U	5UL	20U	10U	1U	1200U	1000U	20UJ	1U	5 U	1U	10U	5.0U
ETHYLBENZENE	70000	130	130	80	BDL	65J	71J	64L	59J	58	80	1000U	64J	110J	76	71	79	72.5	75.8
ISOPROPYLBENZENE	50000	66	66	15J	BDL	500U	10J	8J	20U	10U	10	1200U	1000U	20UJ	9	8 J	10	9.9J	9.5J
METHYL ACETATE	null	null	null			500U	100U											50U	25U
METHYL TERT-BUTYL ETHER	200	2.6	2.6			500U	100U	3UL	10U		0.5U			10UJ	0.5U	3 U	0.5U	10U	5.0U
METHYLCYCLOHEXANE	null	630	630			500U	100U											50U	25U
METHYLENE CHLORIDE	500	4.1	4.1					10UL	40U	20U	2U	750U	600U	40UJ	2U	10 U	2U	20U	10U
STYRENE	10000	160	100	10U	BDL	500U	100U	5UL	20U	10U	1U	1200U	1000U	20UJ	1U	5 U	1U	50U	25U
TERT-BUTYL ALCOHOL	null	null	null					50UL	200U	100U	10U			200UJ	10U	50 U	10U		
TETRACHLOROETHENE	50	0.1	0.1	10U		500U	100U	4UL	16U	8U	0.8U	250U	200U	16UJ	0.8U	4 U	0.8U	10U	5.0U
TOLUENE	100000	75	75	82	BDL	98J	85J	67L	50J	49B	59	1200U	79J	95J	59	53	54	52.9	58.3
TRANS-1,2-DICHLOROETHENE	1000	12	12					4UL	16U	8U	0.8U	1200U	1000U	16UJ	0.8U	4 U	0.8U	10U	5.0U
TRANS-1,3-DICHLOROPROPENE	null		0.44	10U		500U	100U	5UL	20U	10U	1U	1200U	1000U	20UJ	1U	5 U	1U	10U	5.0U
TRICHLOROETHENE	50	0.026	0.026	10U		500U	100U	5UL	20U	10U	1U	250U	200U	20UJ	1U	5 U	1U	10U	5.0U
TRICHLOROFLUOROMETHANE	200000	130	130					10UL	40U	20U	2U			40UJ	2U	10 U	2U	50U	25U
VINYL CHLORIDE	20	0.015	0.015	10U		500U	100U	5UL	20U	10U	1U	1200U	1000U	20UJ	1U	5 U	1U	10U	5.0U
XYLENES, TOTAL	180000	21	21	250	280J	230J	230	220L	200	180B	250	1200U	98J	370J	240	220	260	232	236

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	Most	MW-122															
SAMPLE DATE	Aquifer MSC	RBC	Stringent	10/1/93	12/1/96	8/1/00	9/1/01	12/12/03	6/7/04	12/13/04	6/14/05	8/11/06	6/6/07	6/27/08	6/10/09	6/17/10	6/15/11	6/14/12	6/5/13
SVOCs (cont.)																			
BIS(2-CHLOROETHOXY)METHANE	null	null	null	200U	BDL	500U	100U	10U	10U	10U	5U	500U	510U	11U	10U	1 U	1U	4.2U	2.2U
BIS(2-CHLOROETHYL)ETHER	55	96	96	200U	BDL	500U	100U	10U	10U	10U	5U	50U	51U	11U	10U	1 U	1U	4.2U	2.2U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	4.8	200U	BDL	500U	100U	20U	20U	19U	10U	500U	510U	21U	20U	2 U	2U	4.2U	2.2U
BUTYLBENZYL PHTHALATE	2700	730	730	200U		500U	100U	20U	20U	19U	10U	500U	510U	21U	20U	2 U	2U	4.2U	2.2U
CAPROLACTAM	null	null	null			500U	100U								37J			4.2U	2.2U
CARBAZOLE	1200	3.3	3.3	71J	63	500U	100U	68J	83J	41J	52	29J	17J	52J		61	49	53.8	36.5
CHRYSENE	1.9	9.2	1.9	200U	5J	500U	100U	16J	26J	10U	5U	500U	510U	11U	10U	2 J	1U	1.5J	1.1U
DI-N-BUTYL PHTHALATE	400000	370	370	200U	BDL	500U	100U	20U	20U	19U	10U	500U	510U	21U	20U	2 U	2U	4.2U	2.2U
DI-N-OCTYL PHTHALATE	3000	150	150	200U		500U	100U	20U	20U	19U	10U	500U	510U	21U	20U	2 U	2U	4.2U	2.2U
DIBENZIOTHIOPHENE	null	null	null			500U	100U												
DIBENZO(A,H)ANTHRACENE	0.6	92	92	200U	BDL	500U	100U	10U	10U	10U	5U	50U	51U	11U	10U	1 U	1U	2.1U	1.1U
DIBENZOFURAN	null	1.2	1.2	190J	210	110J	130J	510	800	160	160	56J	46J	130	93	180	110	136	74.9
DIETHYL PHTHALATE	1100000	2900	2900	200U	BDL	500U	100U	20U	20U	19U	10U	500U	510U	21U	20U	2 U	2U	4.2U	2.2U
DIMETHYL PHTHALATE	null	37000	37000	200U	BDL	500U	100U	20U	20U	19U	10U	500U	510U	21U	20U	2 U	2U	4.2U	2.2U
DIPHENYLETHER	null	null	null			500U	100U												
FLUORANTHENE	260	150	150	200U	43	500U	100U	130	190	21J	18J	500U	510U	11U	10U	16	5J	11.7	3.2
FLUORENE	1900	24	24	130J	180B	63J	70J	430	640	110	100	30J	510U	77	56	100	67	89.8	56.3
HEXACHLOROBENZENE	6	0.042	0.042	200U		500U	100U	10U	10U	10U	5U	50U	51U	11U	10U	1 U	1U	2.1U	1.1U
HEXACHLOROBUTADIENE	1000	0.73	0.73	200U		500U	100U	10U	10U	10U	5U	100U	100U	11U	10U	1 U	1U	2.1U	1.1U
HEXACHLOROCYCLOPENTADIENE	1800	22	22	200U		500U	100U	51U	49U	48U	24U	500U	510U	53U	49U	5 U	6U	21U	11U
HEXACHLOROETHANE	100	3.65	1	200U		500U	100U	10U	10U	10U	5U	50U	51U	11U	10U	1 U	1U	4.2U	2.2U
HEXANOIC ACID	null	null	null			500U	100U												
INDENO(1,2,3-CD)PYRENE	62	0.092	0.092	200U	1J	500U	100U	10U	10U	10U	5U	50U	51U	11U	10U	1 U	1U	2.1U	1.1U
ISOPHORONE	100000	70	70	200U		500U	100U	10U	10U	10U	5U	500U	510U	11U	10U	1 U	1U	4.2U	2.2U
N-EIOCOSANE	null	null	null			500U	100U												
N-HEXADACANE	null	null	null			500U	100U												
N-NITROSO-DI-N-PROPYLAMINE	370	96	96	200U		500U	100U	10U	10U	10U	5U	50U	51U	11U	10U	1 U	1U	4.2U	2.2U
N-NITROSODIPHENYLAMINE	35000	14	14	200U		500U	100U	20U	20U	19U	10U	500U	510U	21U	20U	2 U	2U	11U	5.6U
N-TETRACDECANE	null	null	null			500U	100U												
N-TETRACOSANE	null	null	null			500U	100U												
NAPHTHALENE	30000	0.65	0.65	43000	300	24000	21000	33000	35000	22000	23000	9000	5300	18000	15000	19000	10000	20500	9390
NITROBENZENE	51000	0.35	0.35	200U	BDL	500U	100U	10U	10U	10U	5U	50U	51U	11U	10U	1 U	1U	4.2U	2.2U
P-ISOPROPYLTOLUENE	null	null	null			500U	100U												
PENTACHLOROPHENOL	1000	0.56	0.56	500U		1200U	1200U	31U	29U	29U	14U	1500U	1500U	32U	29U	3 U	3U	21U	11U
PHENANTHRENE	1100	null	1100	140J	190	500U	63J	600	1100	120B	100	21J	13J	61	47J	100	56	87	41.7
PHENOL	400000	1100	1100	340	110	90J	1100J	35J	19J	24J	15J	500U	510U	33J	38J	19	21	11.1	20.6
PYRENE	130	18	18	200U	27	500U	100U	85J	140	12J	9J	500U	510U	11U	10U	10	3J	6.9	1.7
PYRIDINE	null	3.7	3.7			500U	100U												
THIANAPHTHENE	null	null	null			500U	100U												

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	Most	MW-122															
SAMPLE DATE	Aquifer MSC	RBC	Stringent	10/1/93	12/1/98	8/1/00	9/1/01	12/12/03	6/7/04	12/13/04	6/14/05	8/11/06	6/6/07	6/27/08	6/10/09	6/17/10	6/15/11	6/14/12	6/5/13
SVOCs	Aquifers																		
1,1'-BIPHENYL	null	30	30			68J	100U											93.1	53.8
1,2,4-TRICHLOROBENZENE	44000	0.72	0.72	200U		500U	100U	10U	10U	10U	5U	50U	51U	11U	10U	1 U	1U	50U	25U
1,2-DICHLOROBENZENE	60000	27	27	200U		500U	100U	10U	10U	10U	5U	500U	510U	11U	10U	1 U	1U	10U	5.0U
1,3-DICHLOROBENZENE	60000	18	18	200U		500U	100U	10U	10U	10U	5U	500U	510U	11U	10U	1 U	1U	10U	5.0U
1,4-DICHLOROBENZENE	7500	0.47	0.47	200U		500U	100U	10U	10U	10U	5U	500U	510U	11U	10U	1 U	1U	10U	5.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	0.26	200U		500U	100U	10U	10U	10U	5U	500U	510U	11U	10U	1 U	1U	4.2U	2.2U
2,4,5-TRICHLOROPHENOL	1000000	370	370	500U		1200U	1200U	10U	10U	10U	5U	500U	510U	11U	10U	1 U	1U	11U	5.6U
2,4,6-TRICHLOROPHENOL	31000	6.1	6.1	200U		500U	100U	10U	10U	10U	5U	500U	510U	11U	10U	1 U	1U	11U	5.6U
2,4-DICHLOROPHENOL	20000	11	11	200U		500U	100U	10U	10U	10U	5U	500U	510U	11U	10U	1 U	1U	11U	5.6U
2,4-DIMETHYLPHENOL	2000000	73	73	2200	140	1000J	830J	920	480	460	380	340J	270J	570	330	450	240	154	375
2,4-DINITROPHENOL	410	7.3	7.3	500U		1200U	1200U	200U	200U	190U	97U	1500U	1500UJ	210U	200U	10 U	12U	42U	22U
2,4-DINITROTOLUENE	8400	7.3	2.1	200U		500U	100U	10U	10U	10U	5U	100U	100U	11U	10U	1 U	1U	4.2U	2.2U
2,6-DINITROTOLUENE	100000	3.7	3.7	200U		500U	100U	10U	10U	10U	5U	100U	100U	11U	10U	1 U	1U	4.2U	2.2U
2-CHLORONAPHTHALENE	8200	49	49	200U		500U	100U	10U	10U	10U	5U	500U	510U	21U	20U	2 U	2U	4.2U	2.2U
2-CHLOROPHENOL	40	3	3	200U		500U	100U	10U	10U	10U	5U	500U	510U	11U	10U	1 U	1U	11U	5.6U
2-METHYLNAPHTHALENE	2000	2.4	2.4	**3000**	160	**2600J**	**2800J**	**6800**	**8100**	**3100J**	**3000**	1500	1000	**3000**	1800J	**3400**	1900	1840	1800
2-METHYLPHENOL	510000	180	180	460	140	230J	190J	110	76J	82J	57	54J	38J	96	56	56	43	36.1	48.9
2-NAPHTHYLAMINE	null	null	0.37			500U	100U												
2-NITROANILINE	5.8	11	2.1	500U		1200U	1200U	10U	10U	10U	5U	1000U	1000U	11U	10U	1 U	1U	11U	5.6U
2-NITROPHENOL	820000	null	290	200U		500U	100U	10U	10U	10U	5U	500U	510U	11U	10U	1 U	1U	11U	5.6U
3,3'-DICHLOROBENZIDINE	3100	0.15	0.15	200U		500U	100U	10U	10U	10U	10U	1000U	1000U	21U	20U	2 U	2U	11U	5.6U
3-NITROANILINE	5.8	1.1	1.1	200U		1200U	1200U	10U	10U	10U	5U	1000U	1000U	11U	10U	1 U	1U	11U	5.6U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	0.37	500U		1200U	1200U	51U	49U	48U	24U	1500U	1500U	53U	49U	5 U	6U	42U	22U
4-BROMOPHENYL PHENYL ETHER	null	null	null	200U		500U	100U	10U	10U	10U	5U	500U	510U	11U	10U	1 U	1U	4.2U	2.2U
4-CHLORO-3-METHYLPHENOL	510	null	180	200U		500U	100U	10U	10U	10U	5U	500U	510U	11U	10U	1 U	1U	11U	5.6U
4-CHLOROANILINE	410	15	15	200U	BDL	500U	100U	10U	10U	10U	5U	500U	510U	11U	10U	1 U	1U	11U	5.6U
4-CHLOROPHENYL PHENYL ETHER	null	null	null	200U		500U	100U	10U	10U	10U	5U	500U	510U	21U	20U	2 U	2U	4.2U	2.2U
4-METHYLPHENOL	510000	18	18	410	140	120J	290J	82J	60J	54J	47J	56J	30J	88	49J	49	42		
4-NITROANILINE	5.8	3.3	2.1	500U		1200U	1200U	10U	10U	10U	5U	1000U	1000U	11U	10U	1 U	1U	11U	5.6U
4-NITROPHENOL	60000	null	60	500U		1200U	1200U	100U	98U	95U	48U	1500U	1500U	110U	98U	10 U	12U	21U	11U
ACENAPHTHENE	3800	37	37	180J	210	110J	140J	520	770	170	160	58J	42J	130	97	170	110	131	86.0
ACENAPHTHYLENE	16000	null	2200	200U	39	500U	100U	49J	64J	23J	22J	500U	510U	18J	14J	21	14	12.3	10.6
ACETOPHENONE	null	61	61			500U	100U											4.2U	2.2U
ALPHA-NAPHTHYLAMINE	null	null	0.37			500U	100U												
ANTHRACENE	66	180	66	200U	**79**	500U	100U	**240**	**390**	42J	32J	500U	510U	13J	10U	30	12	24.8	8.3
BENZALDEHYDE	null	370	370			500U	100U											11U	5.6U
BENZO(A)ANTHRACENE	11	0.092	0.092	200U	6J	500U	100U	**18J**	**26J**	10U	5U	50U	51U	11U	10U	2 J	1U	2.0J	1.1U
BENZO(A)PYRENE	3.8	0.0092	0.0092	200U	2J	500U	100U	10U	**11J**	10U	5U	50U	51U	11U	10U	1 J	1U	2.1U	1.1U
BENZO(B)FLUORANTHENE	1.2	0.092	0.092	200U	**3J**	500U	100U	10U	**14J**	10U	5U	50U	51U	11U	10U	1 J	1U	2.1U	1.1U
BENZO(G,H,I)PERYLENE	0.26	null	0.26	200U	**1J**	500U	100U	10U	10U	10U	5U	500U	510U	11U	10U	1 U	1U	2.1U	1.1U
BENZO(K)FLUORANTHENE	0.55	0.92	0.55	200U	**2J**	500U	100U	10U	10U	10U	5U	50U	51U	11U	10U	1 U	1U	2.1U	1.1U
BENZOIC ACID	null	15000	15000			500U	100U												

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

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Honeywell Resins and Chemicals
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Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-123												
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	8/1/00	9/1/01	6/7/04	6/14/05	8/10/06	6/7/07	6/26/08	6/17/10	6/16/11	6/14/12	6/6/13
VOCs															
1,1,1-TRICHLOROETHANE	2000	320	10U	BDL	10U	10U	0.8U	0.8U	5U	5U	0.8UJ	0.8 U	0.8U	1.0U	1.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	10U		10U	10U	1U	1U	1U	1U	1UJ	1 U	1U	1.0U	1.0U
1,1,2-TRICHLOROETHANE	50	0.19	10U		10U	10U	0.8U	0.8U	3U	3U	0.8UJ	0.8 U	0.8U	1.0U	1.0U
1,1-DICHLOROETHANE	1100	80	10U		10U	10U	1U	1U	5U	5U	1UJ	1 U	1U	1.0U	1.0U
1,1-DICHLOROETHENE	70	35	10U	BDL	10U	10U	0.8U	0.8U	2U	2U	0.8UJ	0.8 U	0.8U	1.0U	1.0U
1,2-DICHLOROETHANE	50	0.12	10U	BDL	10U	10U	1U	1U	2U	2U	1UJ	1 U	1U	1.0U	1.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	10U	BDL	10U	10U									
1,2-DICHLOROPROPANE	50	0.16	10U		10U	10U	1U	1U	1U	1U	1UJ	1 U	1U	1.0U	1.0U
2-BUTANONE	580000	700	10U		10U	10U	3U	3U	5U	5UJ	3UJ	3 U	3U	10U	10U
2-HEXANONE	null	null	10U		10U	10U	3U	3U	5U	5UJ	3UJ	3 U	3U	5.0U	5.0U
4-METHYL-2-PENTANONE	41000	630	10U		10U	10U	3U	3U	5U	5UJ	3UJ	3 U	3U	5.0U	5.0U
ACETONE	100000	550	10UJ	BDL	10U	10U	6U	9U	5U	5U	6UJ	6 U	6U	10U	10U
ALPHA METHYL STYRENE	null	43	BDL		10U	10U									
BENZENE	500	0.34	10U	BDL	10U	10U	0.5U	0.5U	1U	1U	0.5UJ	0.5 U	0.5U	1.0U	1.0U
BROMODICHLOROMETHANE	100	0.17	6B		10U	10U	1U	1U	1U	1U	1UJ	1 U	1U	1.0U	1.0U
BROMOFORM	10000	8.5	10U		10U	10U	1U	1U	4U	4U	1UJ	1 U	1U	4.0U	4.0U
BROMOMETHANE	1000	0.85	10U		10U	10U	1U	1U	5U	5UJ	1UJ	1 U	1U	2.0U	2.0U
CARBON DISULFIDE	4100	100	10U		10U	10U	1U	1U	5U	5U	1UJ	1 U	1U	2.0U	2.0U
CARBON TETRACHLORIDE	50	0.16	10U		10U	10U	1U	1U	2U	2U	1UJ	1 U	1U	1.0U	1.0U
CHLOROBENZENE	10000	11	10U	BDL	10U	10U	0.8U	0.8U	5U	5U	0.8UJ	0.8 U	0.8U	1.0U	1.0U
CHLORODIBROMOMETHANE	10000	0.13	10U		10U	10U	1U	1U	5U	5U	1UJ	1 U	1U	1.0U	1.0U
CHLOROETHANE	90000	3.6	10UJ		10U	10U	1U	1U	5U	5UJ	1UJ	1 U	1U	1.0U	1.0U
CHLOROFORM	1000	0.15	3B	BDL	10U	10U	0.8U	0.8U	5U	5U	0.8UJ	0.8 U	0.8U	1.0U	1.0U
CHLOROMETHANE	300	19	10U		10U	10U	1U	1U	5U	5U	1UJ	1 U	1U	1.0U	1.0U
CIS-1,2-DICHLOROETHENE	700	6.1					0.8U	0.8U	5U	5U	0.8UJ	0.8 U	0.8U	1.0U	1.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	10U		10U	10U	1U	1U	5U	5U	1UJ	1 U	1U	1.0U	1.0U
ETHYLBENZENE	70000	130	10U	BDL	10U	10U	0.8U	0.8U	4U	4U	0.8UJ	0.8 U	0.8U	1.0U	1.0U
ISOPROPYLBENZENE	50000	66	BDL	BDL	10U	10U	1U	1U	5U	5U	1UJ	1 U	1U	2.0U	0.89J
METHYL ACETATE	null	null			10U	10U								5.0U	5.0U
METHYL TERT-BUTYL ETHER	200	2.6			6J	10U	0.5U	0.5U			0.5UJ	0.5 U	0.5U	1.0U	1.0U
METHYLCYCLOHEXANE	null	630			10U	10U								5.0U	5.0U
METHYLENE CHLORIDE	500	4.1					2U	2U	3U	3U	2UJ	2 U	2U	2.0U	2.0U
STYRENE	10000	160	10U	BDL	10U	10U	1U	1U	5U	5U	1UJ	1 U	1U	5.0U	5.0U
TERT-BUTYL ALCOHOL	null	null					10U	10U			10UJ	10 U	10U		
TETRACHLOROETHENE	50	0.1	10U		10U	10U	0.8U	0.8U	1U	1U	0.8UJ	0.8 U	0.8U	1.0U	1.0U
TOLUENE	100000	75	10U	BDL	10U	10U	0.7U	0.7U	5U	5U	0.7UJ	0.7 U	0.7U	1.0U	1.0U
TRANS-1,2-DICHLOROETHENE	1000	12					0.8U	0.8U	5U	5U	0.8UJ	0.8 U	0.8U	1.0U	1.0U
TRANS-1,3-DICHLOROPROPENE	null		10U		10U	10U	1U	1U	5U	5U	1UJ	1 U	1U	1.0U	1.0U
TRICHLOROETHENE	50	0.026	10U	BDL	10U	10U	1U	1U	1U	1U	1UJ	1 U	1U	1.0U	1.0U
TRICHLOROFLUOROMETHANE	200000	130					2U	2U			2UJ	2 U	2U	5.0U	5.0U
VINYL CHLORIDE	20	0.015	10U		10U	10U	1U	1U	5U	5U	1UJ	1 U	1U	1.0U	1.0U
XYLENES, TOTAL	180000	21	10U	BDL	10U	10U	0.8U	0.8U	5U	5U	0.8UJ	0.8 U	0.8U	1.0U	1.0U

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Honeywell Resins and Chemicals
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Philadelphia, Pennsylvania

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SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	8/1/00	9/1/01	6/7/04	6/14/05	8/10/06	6/7/07	6/26/08	6/17/10	6/16/11	6/14/12	6/6/13
SVOCs	Aquifers														
1,1'-BIPHENYL	null	30			10U	10U								1.0U	1.0U
1,2,4-TRICHLOROBENZENE	44000	0.72	10U		10U	10U	1U	1U	1U	1U	1U	1 U	1U	5.0U	5.0U
1,2-DICHLOROBENZENE	60000	27	10U		10U	10U	1U	1U	10U	10U	1U	1 U	1U	1.0U	1.0U
1,3-DICHLOROBENZENE	60000	18	10U		10U	10U	1U	1U	10U	10U	1U	1 U	1U	1.0U	1.0U
1,4-DICHLOROBENZENE	7500	0.47	10U		10U	10U	1U	1U	10U	10U	1U	1 U	1U	1.0U	1.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	10U		10U	10U	1U	1U	10U	10U	1U	1 U	1U	2.0U	2.1U
2,4,5-TRICHLOROPHENOL	1000000	370	25U		25U	25U	1U	1U	10U	10U	1U	1 U	1U	5.0U	5.2U
2,4,6-TRICHLOROPHENOL	31000	6.1	10U		10U	10U	1U	1U	10U	10UJ	1U	1 U	1U	5.0U	5.2U
2,4-DICHLOROPHENOL	20000	11	10U		10U	10U	1U	1U	10U	10U	1U	1 U	1U	5.0U	5.2U
2,4-DIMETHYLPHENOL	2000000	73	10U	BDL	10U	10U	1U	3U	10U	10U	3U	3 U	3U	5.0U	5.2U
2,4-DINITROPHENOL	410	7.3	25UJ		25U	25U	19U	20U	30U		20U	10 U	10U	20U	21U
2,4-DINITROTOLUENE	8400	7.3	10U		10U	10U	1U	1U	2U	2U	1U	1 U	1U	2.0U	2.1U
2,6-DINITROTOLUENE	100000	3.7	10U		10U	10U	1U	1U	2U	2U	1U	1 U	1U	2.0U	2.1U
2-CHLORONAPHTHALENE	8200	49	10U		10U	10U	1U	1U	10U	10U	2U	2 U	2U	2.0U	2.1U
2-CHLOROPHENOL	40	3	10U		10U	10U	1U	1U	10U	10U	1U	1 U	1U	5.0U	5.2U
2-METHYLNAPHTHALENE	2000	2.4	10U	BDL	10U	10U	1U	1U	10U	10U	1U	1 U	1U	1.0U	1.0U
2-METHYLPHENOL	510000	180	10U	BDL	10U	10U	1U	1U	10U	10U	1U	1 U	1U	2.0U	2.1U
2-NAPHTHYLAMINE	null	null			10U	10U									
2-NITROANILINE	5.8	11	25U		25U	25U	1U	1U	20U	20U	1U	1 U	1U	5.0U	5.2U
2-NITROPHENOL	820000	null	10U		10U	10U	1U	1U	10U	10U	1U	1 U	1U	5.0U	5.2U
3,3'-DICHLOROBENZIDINE	3100	0.15	10U		10U	10U	1U	2U	20U	20U	2U	2 U	2U	5.0U	5.2U
3-NITROANILINE	5.8	1.1	25U		25U	25U	1U	1U	20U	20U	1U	1 U	1U	5.0U	5.2U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	25U		25U	25U	5U	5U	30U		5U	5 U	5U	20U	21U
4-BROMOPHENYL PHENYL ETHER	null	null	10U		10U	10U	1U	1U	10U	10U	1U	1 U	1U	2.0U	2.1U
4-CHLORO-3-METHYLPHENOL	510	null	10U		10U	10U	1U	1U	10U	10U	1U	1 U	1U	5.0U	5.2U
4-CHLOROANILINE	410	15	10U		10U	10U	1U	1U	10U	10U	1U	1 U	1U	5.0U	5.2U
4-CHLOROPHENYL PHENYL ETHER	null	null	10U		10U	10U	1U	1U	10U	10U	2U	2 U	2U	2.0U	2.1U
4-METHYLPHENOL	510000	18	10U	BDL	10U	10U	2U	2U	10U	10U	2U	2 U	2U		
4-NITROANILINE	5.8	3.3	25U		25U	25U	1U	1U	20U	20U	1U	1 U	1U	5.0U	5.2U
4-NITROPHENOL	60000	null	25U		25U	25U	10U	10U	30U	30U	10U	10 U	10U	10U	10U
ACENAPHTHENE	3800	37	10U	BDL	10U	10U	1U	1U	10U	10U	1U	1 U	1U	1.0U	1.0U
ACENAPHTHYLENE	16000	null	10U		10U	10U	1U	1U	10U	10U	1U	1 U	1U	1.0U	1.0U
ACETOPHENONE	null	61			10U	10U								0.71J	2.1U
ALPHA-NAPHTHYLAMINE	null	null			10U	10U									
ANTHRACENE	66	180	10U	BDL	10U	10U	1U	1U	10U	10U	1U	1 U	1U	1.0U	1.0U
BENZALDEHYDE	null	370			10U	10U								5.0U	5.2U
BENZO(A)ANTHRACENE	11	0.092	10U		10U	10U	1U	1U	1U	1U	1U	1 U	1J	1.0U	1.0U
BENZO(A)PYRENE	3.8	0.0092	10U		10U	10U	1U	1U	1U	1U	1U	1 U	1J	1.0U	1.0U
BENZO(B)FLUORANTHENE	1.2	0.092	10U		10U	10U	1U	1U	1U	1U	1U	1 U	1J	1.0U	1.0U
BENZO(G,H,I)PERYLENE	0.26	null	10U		10U	10U	1U	1U	10U	10U	1U	1 U	1J	1.0U	1.0U
BENZO(K)FLUORANTHENE	0.55	0.92	10U		10U	10U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U
BENZOIC ACID	null	15000		BDL	10U	10U									

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WELL ID	Nonuse	USEPA	MW-123												
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	6/1/96	8/1/00	9/1/01	6/7/04	6/14/05	8/10/06	6/7/07	6/26/08	6/17/10	6/16/11	6/14/12	6/6/13
SVOCs (cont.)															
BIS(2-CHLOROETHOXY)METHANE	null	null	10U		10U	10U	1U	1U	10U	10U	1U	1 U	1U	2.0U	2.1U
BIS(2-CHLOROETHYL)ETHER	55	96	10U		10U	10U	1U	1U	1U	1U	1U	1 U	1U	2.0U	2.1U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	10U		1J	10U	2U	2U	10U	10U	2U	2 U	2U	1.3J	6.6
BUTYLBENZYL PHTHALATE	2700	730	10U		10U	10U	2U	2U	10U	10U	2U	2 U	2U	2.0U	2.1U
CAPROLACTAM	null	null			0.1J	10U						1U		2.0U	2.1U
CARBAZOLE	1200	3.3	10U	BDL	10U	10U	1U	1U	10U	10U	1U	1 U	1U	1.0U	1.0U
CHRYSENE	1.9	9.2	10U		10U	10U	1U	1U	10U	10U	1U	1 U	1J	1.0U	1.0U
DI-N-BUTYL PHTHALATE	400000	370	10U		10U	10U	2U	2U	10U	10U	2U	2 U	2U	2.0U	2.1U
DI-N-OCTYL PHTHALATE	3000	150	10U		10U	10U	2U	2U	10U	10U	2U	2 U	2U	2.0U	2.1U
DIBENZIOTHIOPHENE	null	null			10U	10U									
DIBENZO(A,H)ANTHRACENE	0.6	92	10U		10U	10U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.0U
DIBENZOFURAN	null	1.2	10U	BDL	10U	10U	1U	1U	10U	10U	1U	1 U	1U	5.0U	5.2U
DIETHYL PHTHALATE	1100000	2900	10U		10U	10U	2U	2U	10U	10U	2U	2 U	2U	2.0U	1.6J
DIMETHYL PHTHALATE	null	37000	10U	BDL	10U	10U	2U	2U	10U	10U	2U	2 U	2U	2.0U	2.1U
DIPHENYLETHER	null	null			10U	10U									
FLUORANTHENE	260	150	10U	BDL	10U	10U	1U	1U	10U	10U	1U	1 U	2J	1.0U	1.0U
FLUORENE	1900	24	10U	BDL	10U	10U	1U	1U	10U	10U	1U	1 U	1U	1.0U	1.0U
HEXACHLOROBENZENE	6	0.042	10U		10U	10U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.0U
HEXACHLOROBUTADIENE	1000	0.73	10U		10U	10U	1U	1U	2U	2U	1U	1 U	1U	1.0U	1.0U
HEXACHLOROCYCLOPENTADIENE	1800	22	10U		10U	10U	5U	5U	10U	10UJ	5U	5 U	5U	10U	10U
HEXACHLOROETHANE	100	3.65	10U		10U	10U	1U	1U	1U	1U	1U	1 U	1U	2.0U	2.1U
HEXANOIC ACID	null	null			10U	10U									
INDENO(1,2,3-CD)PYRENE	62	0.092	10U		10U	10U	1U	1U	1U	1U	1U	1 U	1U	1.0U	1.0U
ISOPHORONE	100000	70	10U		10U	10U	1U	1U	10U	10U	1U	1 U	1U	2.0U	2.1U
N-EIOCOSANE	null	null			10U	10U									
N-HEXADACANE	null	null			10U	10U									
N-NITROSO-DI-N-PROPYLAMINE	370	96	10U		10U	10U	1U	1U	1U	1U	1U	1 U	1U	2.0U	2.1U
N-NITROSODIPHENYLAMINE	35000	14	10U		10U	10U	2U	2U	10U	10U	2U	2 U	2U	5.0U	5.2U
N-TETRACDECANE	null	null			10U	10U									
N-TETRACOSANE	null	null			10U	10U									
NAPHTHALENE	30000	0.65	10U	BDL	10U	10U	1U	1U	10U	10U	1U	1 U	1U	0.55J	0.51J
NITROBENZENE	51000	0.35	10U		10U	10U	1U	1U	1U	1U	1U	1 U	1U	2.0U	2.1U
P-ISOPROPYLTOLUENE	null	null			10U	10U									
PENTACHLOROPHENOL	1000	0.56	25U		25U	25U	3U	3U	30U	30UJ	3U	3 U	3U	10U	10U
PHENANTHRENE	1100	null	10U	BDL	10U	10U	1U	1U	10U	10U	1U	1 U	1U	1.0U	1.0U
PHENOL	400000	1100	10U	BDL	0.2J	0.5J	1U	1U	10U	10U	1U	1 U	1U	2.0U	2.1U
PYRENE	130	18	10U	BDL	10U	10U	1U	1U	10U	10U	1U	1 U	2J	1.0U	1.0U
PYRIDINE	null	3.7			10U	10U									
THIANAPHTHENE	null	null			10U	10U									

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-201		MW-204		MW-206			MW-208	MW-209	
SAMPLE DATE	Aquifer MSC	RBC	4/1/04	6/10/04	10/1/93	12/1/98	4/1/04	6/9/04	6/9/04 DUP	6/9/04	6/10/04	6/10/04 DUP
VOCs												
1,1,1-TRICHLOROETHANE	2000	320	2U	8U	1000U		40U	20U	20U	20U	32U	16U
1,1,2,2-TETRACHLOROETHANE	30	0.053	3U	10U	1000U		50U	25U	25U	25U	40U	20U
1,1,2-TRICHLOROETHANE	50	0.19	2U	8U	1000U		40U	20U	20U	20U	32U	16U
1,1-DICHLOROETHANE	1100	80	3U	10U	1000U		50U	25U	25U	25U	40U	20U
1,1-DICHLOROETHENE	70	35	2U	8U	1000U		40U	20U	20U	20U	32U	16U
1,2-DICHLOROETHANE	50	0.12	3U	10U	1000U		50U	25U	25U	25U	40U	20U
1,2-DICHLOROETHENE (TOTAL)	null	5.5			1000U							
1,2-DICHLOROPROPANE	50	0.16	3U	10U	1000U		50U	25U	25U	25U	40U	20U
2-BUTANONE	580000	700	13J	30U	1000U		150U	75U	75U	75U	420	570
2-HEXANONE	null	null	8J	30U	1000U		150U	75U	75U	75U	120U	76J
4-METHYL-2-PENTANONE	41000	630	25J	30U	1000U		150U	75U	75U	75U	180J	240
ACETONE	100000	550	840	850L	1300B	BDL	300U	150R	150R	460J	**140000**	230000L
ALPHA METHYL STYRENE	null	43			BDL	BDL						
BENZENE	500	0.34	**3200**	**4500**	**12000**	**8900**	**37000**	**38000**	**40000**	**21000**	**11000**	**15000**
BROMODICHLOROMETHANE	100	0.17	3U	10U	1000U		50U	25U	25U	25U	40U	20U
BROMOFORM	10000	8.5	3U	10U	1000U		50U	25U	25U	25U	40U	20U
BROMOMETHANE	1000	0.85	3U	10U	1000U		50U	25U	25U	25U	40U	20U
CARBON DISULFIDE	4100	100	3U	10U	1000U		50U	25U	25U	25U	40U	20U
CARBON TETRACHLORIDE	50	0.16	3U	10U	1000U		50U	25U	25U	25U	40U	20U
CHLOROBENZENE	10000	11	2U	8U	1000U	BDL	40U	20U	20U	20U	32U	16U
CHLORODIBROMOMETHANE	10000	0.13	3U	10U	1000U		50U	25U	25U	25U	40U	20U
CHLOROETHANE	90000	3.6	3U	10U	1000U		50U	25U	25U	25U	40U	20U
CHLOROFORM	1000	0.15	2U	8U	1000U	BDL	40U	20U	20U	20U	32U	16U
CHLOROMETHANE	300	19	3U	10U	1000U		50U	25U	25U	25U	40U	20U
CIS-1,2-DICHLOROETHENE	700	6.1	2U	8U			40U	20U	20U	20U	32U	16U
CIS-1,3-DICHLOROPROPENE	null	0.44	3U	10U	1000U		50U	25U	25U	25U	40U	20U
ETHYLBENZENE	70000	130	690	720	2600	6100	2800	3000	3700	3100	2400	2800
ISOPROPYLBENZENE	50000	66	490	570	720J	31000	260	440	440	18000	260	310
METHYL ACETATE	null	null										
METHYL TERT-BUTYL ETHER	200	2.6	1U	5U			25U	13U	13U	13U	20U	10U
METHYLCYCLOHEXANE	null	630										
METHYLENE CHLORIDE	500	4.1	5U	20U			100U	50U	50U	50U	80U	40U
STYRENE	10000	160	600	730	1000U	6600	50U	360	450	1100	3400	3900
TERT-BUTYL ALCOHOL	null	null	100J	100U			500U	250U	250U	250U	400U	200U
TETRACHLOROETHENE	50	0.1	2U	8U	1000U		40U	20U	20U	25J	32U	16U
TOLUENE	100000	75	3800	5300	19000	13000	34000	39000	41000	29000	14000	19000
TRANS-1,2-DICHLOROETHENE	1000	12	2U	8U			40U	20U	20U	20U	32U	16U
TRANS-1,3-DICHLOROPROPENE	null		3U	10U	1000U		50U	25U	25U	25U	40U	20U
TRICHLOROETHENE	50	0.026	3U	10U	1000U		50U	25U	25U	25U	40U	20U
TRICHLOROFLUOROMETHANE	200000	130	5U	20U			100U	50U	50U	50U	80U	40U
VINYL CHLORIDE	20	0.015	3U	10U	1000U		50U	25U	25U	25U	40U	20U
XYLENES, TOTAL	180000	21	4800	5000	21000	51000	21000	21000	25000	19000	15000	16000

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-201		MW-204		MW-206			MW-208	MW-209	
SAMPLE DATE	Aquifer MSC	RBC	4/1/04	6/10/04	10/1/93	12/1/98	4/1/04	6/9/04	6/9/04	6/9/04	6/10/04	6/10/04
SVOCs (cont.)												
BIS(2-CHLOROETHOXY)METHANE	null	null	24U	10U	200U	BDL	5U	5U	5U	5U	10U	10U
BIS(2-CHLOROETHYL)ETHER	55	96	24U	10U	200U	BDL	5U	5U	5U	5U	10U	10U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	95J	27J	200U	BDL	49	**590**	**480**	**1800**	20U	22J
BUTYLBENZYL PHTHALATE	2700	730	48U	20U	200U		10U	10U	10U	10U	20U	20U
CAPROLACTAM	null	null										
CARBAZOLE	1200	3.3	160J	59J	200U	340J	5J	9J	7J	**140**	160L	**160**
CHRYSENE	1.9	9.2	**240J**	**65J**	200U	**250J**	5U	**10J**	**8J**	**16J**	**21J**	**25J**
DI-N-BUTYL PHTHALATE	400000	370	150J	47J	200U	BDL	26J	220	180	**490**	20U	20U
DI-N-OCTYL PHTHALATE	3000	150	48U	20U	200U		10U	15J	10U	16J	20U	20U
DIBENZIOTHIOPHENE	null	null										
DIBENZO(A,H)ANTHRACENE	0.6	92	24U	10U	200U	BDL	5U	5U	5U	5U	10U	10U
DIBENZOFURAN	null	1.2	7700	2300	310	12000	19J	86	70	330	770L	830
DIETHYL PHTHALATE	1100000	2900	48U	20U	200U	BDL	10U	10U	10U	10U	20U	20U
DIMETHYL PHTHALATE	null	37000	48U	20U	200U	BDL	190	130	140	10U	20U	20U
DIPHENYLETHER	null	null										
FLUORANTHENE	260	150	**1800**	**410**	200U	**1600**	6J	39J	31J	87	110L	130
FLUORENE	1900	24	**4900**	1400	210	**7200B**	20J	72	59	250	690L	750
HEXACHLOROBENZENE	6	0.042	24U	10U	200U		5U	5U	5U	5U	10U	10U
HEXACHLOROBUTADIENE	1000	0.73	24U	10U	200U		5U	5U	5U	5U	10U	10U
HEXACHLOROCYCLOPENTADIENE	1800	22	120U	50U	200U		24U	26U	25U	26U	50U	50U
HEXACHLOROETHANE	100	3.65	24U	10U	48J		5U	5U	5U	5U	10U	10U
HEXANOIC ACID	null	null										
INDENO(1,2,3-CD)PYRENE	62	0.092	52J	14J	200U	BDL	5U	5U	5U	5U	10U	10U
ISOPHORONE	100000	70	24U	10U	200U		5U	5U	5U	5U	10U	10U
N-EIOCOSANE	null	null										
N-HEXADACANE	null	null										
N-NITROSO-DI-N-PROPYLAMINE	370	96	24U	10U	200U		5U	5U	5U	5U	10U	10U
N-NITROSODIPHENYLAMINE	35000	14	48U	20U	200U		10U	10U	10U	10U	20U	20U
N-TETRACDECANE	null	null										
N-TETRACOSANE	null	null										
NAPHTHALENE	30000	0.65	26000	18000	10000	**86000**	4500	5900	5200	8800	4900J	9800
NITROBENZENE	51000	0.35	24U	10U	200U	BDL	5U	5U	5U	5U	10U	10U
P-ISOPROPYLTOLUENE	null	null										
PENTACHLOROPHENOL	1000	0.56	72U	30U	500U		14U	16U	15U	15U	30U	30U
PHENANTHRENE	1100	null	**6300**	**1400**	190J	**6300**	17J	110	84	280	300L	360
PHENOL	400000	1100	20000	42000	56000	160000	64	84	67	250	25000L	42000
PYRENE	130	18	**1000**	**290**	200U	**1300J**	5U	26J	22J	58	85J	87J
PYRIDINE	null	3.7										
THIANAPHTHENE	null	null										

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-201		MW-204		MW-206			MW-208	MW-209	
SAMPLE DATE	Aquifer MSC	RBC	4/1/04	6/10/04	10/1/93	12/1/98	4/1/04	6/9/04	6/9/04	6/9/04	6/10/04	6/10/04
SVOCs	Aquifers											
1,1'-BIPHENYL	null	30										
1,2,4-TRICHLOROBENZENE	44000	0.72	24U	10U	200U		5U	5U	5U	5U	10U	10U
1,2-DICHLOROBENZENE	60000	27	24U	10U	200U		5U	5U	5U	5U	10U	10U
1,3-DICHLOROBENZENE	60000	18	24U	10U	200U		5U	5U	5U	5U	10U	10U
1,4-DICHLOROBENZENE	7500	0.47	24U	10U	200U		5U	5U	5U	5U	10U	10U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	24U	10U	200U		5U	5U	5U	5U	10U	10U
2,4,5-TRICHLOROPHENOL	1000000	370	24U	10U	500U		5U	5U	5U	5U	10U	10U
2,4,6-TRICHLOROPHENOL	31000	6.1	24U	10U	200U		5U	5U	5U	5U	10U	10U
2,4-DICHLOROPHENOL	20000	11	24U	10U	200U		5U	5U	5U	5U	10U	10U
2,4-DIMETHYLPHENOL	2000000	73	8600	14000	25000	58000	5100	5800	5500	93	2800L	3300
2,4-DINITROPHENOL	410	7.3	480U	200U	500U		95U	100U	100U	100U	200U	200U
2,4-DINITROTOLUENE	8400	7.3	24U	10U	200U		5U	5U	5U	5U	10U	10U
2,6-DINITROTOLUENE	100000	3.7	24U	10U	200U		5U	5U	5U	5U	10U	10U
2-CHLORONAPHTHALENE	8200	49	24U	10U	200U		5U	5U	5U	5U	10U	10U
2-CHLOROPHENOL	40	3	24U	10U	200U		5U	5U	5U	5U	10U	10U
2-METHYLNAPHTHALENE	2000	2.4	**17000**	**8900J**	840	**26000**	220	460	400	2000	2100L	2800
2-METHYLPHENOL	510000	180	11000	19000	9200	15000	640	490	470	88	690L	700L
2-NAPHTHYLAMINE	null	null										
2-NITROANILINE	5.8	11	24U	10U	500U		5U	5U	5U	5U	10U	10U
2-NITROPHENOL	820000	null	24U	10U	200U		5U	5U	5U	5U	10U	10U
3,3'-DICHLOROBENZIDINE	3100	0.15	24U	10U	200U		5U	5U	5U	5U	10U	10U
3-NITROANILINE	5.8	1.1	24U	10U	500U		5U	5U	5U	5U	10U	10U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	120U	50U	500U		24U	26U	25U	26U	50U	50U
4-BROMOPHENYL PHENYL ETHER	null	null	24U	10U	200U		5U	5U	5U	5U	10U	10U
4-CHLORO-3-METHYLPHENOL	510	null	24U	10U	200U		5U	5U	5U	5U	10U	10U
4-CHLOROANILINE	410	15	24U	10U	200U	BDL	5U	5U	5U	5U	10U	10U
4-CHLOROPHENYL PHENYL ETHER	null	null	24U	10U	200U		5U	5U	5U	5U	10U	10U
4-METHYLPHENOL	510000	18	13000	30000	16000	18000	540	360	340	38J	20U	1200L
4-NITROANILINE	5.8	3.3	24U	10U	500U		5U	5U	5U	5U	10U	10U
4-NITROPHENOL	60000	null	240U	99U	500U		48U	52U	51U	52U	100U	100U
ACENAPHTHENE	3800	37	**7800**	**2500**	**330**	**13000**	18J	**79**	**65**	**310**	680L	**750**
ACENAPHTHYLENE	16000	null	470	210	200U	410J	5U	5U	5U	25J	50J	54J
ACETOPHENONE	null	61										
ALPHA-NAPHTHYLAMINE	null	null										
ANTHRACENE	66	180	**1300**	**350**	200U	**1700**	5U	21J	18J	**77**	170L	**170**
BENZALDEHYDE	null	370										
BENZO(A)ANTHRACENE	11	0.092	**280**	**77J**	200U	**210J**	5U	9J	8J	**17J**	**24J**	**23J**
BENZO(A)PYRENE	3.8	0.0092	**110J**	**32J**	200U	BDL	5U	**5J**	5U	**9J**	**10J**	10U
BENZO(B)FLUORANTHENE	1.2	0.092	**170J**	**46J**	200U	BDL	5U	**9J**	**6J**	**13J**	**13J**	**13J**
BENZO(G,H,I)PERYLENE	0.26	null	46J	12J	200U	BDL	5U	5U	5U	5U	10U	10U
BENZO(K)FLUORANTHENE	0.55	0.92	**68J**	**19J**	200U	BDL	5U	5U	5U	5U	10U	10U
BENZOIC ACID	null	15000										

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-210	MW-211	MW-213	MW-214	MW-215	MW-216	MW-218
SAMPLE DATE	Aquifer MSC	RBC	6/9/04	6/10/04	6/9/04	6/9/04	6/9/04	6/9/04	6/10/04
VOCs									
1,1,1-TRICHLOROETHANE	2000	320	20U	20U	0.8U	20U	20U	16U	16U
1,1,2,2-TETRACHLOROETHANE	30	0.053	25U	25U	1U	25U	25U	20U	20U
1,1,2-TRICHLOROETHANE	50	0.19	20U	20U	0.8U	20U	20U	16U	16U
1,1-DICHLOROETHANE	1100	80	25U	25U	1U	25U	25U	20U	20U
1,1-DICHLOROETHENE	70	35	20U	20U	0.8U	20U	20U	16U	16U
1,2-DICHLOROETHANE	50	0.12	25U	25U	1U	25U	25U	20U	20U
1,2-DICHLOROETHENE (TOTAL)	null	5.5							
1,2-DICHLOROPROPANE	50	0.16	25U	25U	1U	25U	25U	20U	20U
2-BUTANONE	580000	700	75U	110J	8J	75U	120J	60U	60U
2-HEXANONE	null	null	75U	75U	3U	75U	75U	60U	60U
4-METHYL-2-PENTANONE	41000	630	75U	180J	3U	75U	75U	60U	60U
ACETONE	100000	550	150U	120000L	23	1200	12000	1500	120R
ALPHA METHYL STYRENE	null	43							
BENZENE	500	0.34	**9600**	420	5	**27000**	**18000**	**250**	10U
BROMODICHLOROMETHANE	100	0.17	25U	25U	5J	25U	25U	20U	20U
BROMOFORM	10000	8.5	25U	25U	1U	25U	25U	20U	20U
BROMOMETHANE	1000	0.85	25U	25U	1U	25U	25U	20U	20U
CARBON DISULFIDE	4100	100	25U	25U	1J	25U	25U	20U	20U
CARBON TETRACHLORIDE	50	0.16	25U	25U	1U	25U	25U	20U	20U
CHLOROBENZENE	10000	11	20U	20U	0.8U	20U	20U	16U	16U
CHLORODIBROMOMETHANE	10000	0.13	25U	25U	1U	25U	25U	20U	20U
CHLOROETHANE	90000	3.6	25U	25U	2J	25U	25U	20U	20U
CHLOROFORM	1000	0.15	20U	20U	37	20U	20U	16U	16U
CHLOROMETHANE	300	19	25U	25U	2J	25U	25U	20U	20U
CIS-1,2-DICHLOROETHENE	700	6.1	20U	20U	0.8U	20U	20U	16U	16U
CIS-1,3-DICHLOROPROPENE	null	0.44	25U	25U	1U	25U	25U	20U	20U
ETHYLBENZENE	70000	130	1100	890	1J	5300	3100	410	16U
ISOPROPYLBENZENE	50000	66	37000	**57000**	22	5100	49000	36000	28000
METHYL ACETATE	null	null							
METHYL TERT-BUTYL ETHER	200	2.6	13U	13U	1J	13U	13U	10U	10U
METHYLCYCLOHEXANE	null	630							
METHYLENE CHLORIDE	500	4.1	50U	50U	4J	50U	50U	40U	40U
STYRENE	10000	160	460	25U	6	25U	25U	20U	20U
TERT-BUTYL ALCOHOL	null	null	250U	250U	10U	250U	250U	200U	200U
TETRACHLOROETHENE	50	0.1	30J	20U	0.8U	40J	28J	16U	16U
TOLUENE	100000	75	10000	18J	6	13000	20000	390	16J
TRANS-1,2-DICHLOROETHENE	1000	12	20U	20U	0.8U	20U	20U	16U	16U
TRANS-1,3-DICHLOROPROPENE	null		25U	25U	1U	25U	25U	20U	20U
TRICHLOROETHENE	50	0.026	25U	25U	1U	25U	25U	20U	20U
TRICHLOROFLUOROMETHANE	200000	130	50U	50U	2U	50U	50U	40U	40U
VINYL CHLORIDE	20	0.015	25U	25U	1U	25U	25U	20U	20U
XYLENES, TOTAL	180000	21	9000	20U	10	21000	9900	1400	18J

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-210	MW-211	MW-213	MW-214	MW-215	MW-216	MW-218
SAMPLE DATE	Aquifer MSC	RBC	6/9/04	6/10/04	6/9/04	6/9/04	6/9/04	6/9/04	6/10/04
SVOCs	Aquifers								
1,1'-BIPHENYL	null	30							
1,2,4-TRICHLOROBENZENE	44000	0.72	5U	5U	1U	5U	40U	5U	1U
1,2-DICHLOROBENZENE	60000	27	5U	5U	1U	5U	40U	5U	1U
1,3-DICHLOROBENZENE	60000	18	5U	5U	1U	5U	40U	5U	1U
1,4-DICHLOROBENZENE	7500	0.47	5U	5U	1U	5U	40U	5U	1U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	5U	5U	1U	5U	40U	5U	1U
2,4,5-TRICHLOROPHENOL	1000000	370	5U	5U	1U	5U	40U	5U	1U
2,4,6-TRICHLOROPHENOL	31000	6.1	5U	5U	1U	5U	40U	5U	1U
2,4-DICHLOROPHENOL	20000	11	5U	5U	1U	5U	40U	5U	1U
2,4-DIMETHYLPHENOL	2000000	73	560	5U	6J	220	640	15J	1U
2,4-DINITROPHENOL	410	7.3	110U	100U	19U	100U	800U	110U	23U
2,4-DINITROTOLUENE	8400	7.3	5U	5U	1U	5U	40U	5U	1U
2,6-DINITROTOLUENE	100000	3.7	5U	5U	1U	5U	40U	5U	1U
2-CHLORONAPHTHALENE	8200	49	5U	5U	1U	5U	40U	5U	1U
2-CHLOROPHENOL	40	3	5U	5U	1U	5U	40U	5U	1U
2-METHYLNAPHTHALENE	2000	2.4	6300	26J	1U	640J	8000	**330**	4J
2-METHYLPHENOL	510000	180	120	12J	1U	22J	100J	5U	1U
2-NAPHTHYLAMINE	null	null							
2-NITROANILINE	5.8	11	5U	5U	1U	5U	40U	5U	1U
2-NITROPHENOL	820000	null	5U	5U	1U	5U	40U	5U	1U
3,3'-DICHLOROBENZIDINE	3100	0.15	5U	5U	1U	5U	40U	5U	1U
3-NITROANILINE	5.8	1.1	5U	5U	1U	5U	40U	5U	1U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	27U	26U	5U	26U	200U	26U	6U
4-BROMOPHENYL PHENYL ETHER	null	null	5U	5U	1U	5U	40U	5U	1U
4-CHLORO-3-METHYLPHENOL	510	null	5U	5U	1U	5U	40U	5U	1U
4-CHLOROANILINE	410	15	5U	5U	1U	5U	40U	5U	1U
4-CHLOROPHENYL PHENYL ETHER	null	null	5U	5U	1U	5U	40U	5U	1U
4-METHYLPHENOL	510000	18	94	10U	2U	43J	360J	41J	2U
4-NITROANILINE	5.8	3.3	5U	5U	1U	5U	40U	5U	1U
4-NITROPHENOL	60000	null	54U	52U	10U	52U	400U	53U	11U
ACENAPHTHENE	3800	37	1100	21J	1U	78	1900	36J	4J
ACENAPHTHYLENE	16000	null	43J	5U	1U	9J	75J	5U	1U
ACETOPHENONE	null	61							
ALPHA-NAPHTHYLAMINE	null	null							
ANTHRACENE	66	180	**250**	36J	1U	11J	**390J**	5J	9J
BENZALDEHYDE	null	370							
BENZO(A)ANTHRACENE	11	0.092	**58**	**47J**	1U	5J	**210J**	5U	7J
BENZO(A)PYRENE	3.8	0.0092	**27J**	**35J**	1U	5U	**120J**	5U	**5J**
BENZO(B)FLUORANTHENE	1.2	0.092	**37J**	**46J**	**2J**	**6J**	**170J**	5U	**8J**
BENZO(G,H,I)PERYLENE	0.26	null	**9J**	**18J**	1J	5U	**65J**	5U	**3J**
BENZO(K)FLUORANTHENE	0.55	0.92	**16J**	**18J**	1U	5U	**66J**	5U	**3J**
BENZOIC ACID	null	15000							

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

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Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-210	MW-211	MW-213	MW-214	MW-215	MW-216	MW-218
SAMPLE DATE	Aquifer MSC	RBC	6/9/04	6/10/04	6/9/04	6/9/04	6/9/04	6/9/04	6/10/04
SVOCs (cont.)									
BIS(2-CHLOROETHOXY)METHANE	null	null	5U	5U	1U	5U	40U	5U	1U
BIS(2-CHLOROETHYL)ETHER	55	96	5U	5U	1U	5U	40U	5U	1U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	**6700**	110	84	**630**	**7500**	51J	**25**
BUTYLBENZYL PHTHALATE	2700	730	11U	10U	2U	10U	80U	11U	2U
CAPROLACTAM	null	null							
CARBAZOLE	1200	3.3	**73**	14J	1U	46J	140J	17J	1U
CHRYSENE	1.9	9.2	**54J**	**43J**	1J	**5J**	**200J**	5U	**8J**
DI-N-BUTYL PHTHALATE	400000	370	**3900**	13J	2U	10U	**460**	11U	2U
DI-N-OCTYL PHTHALATE	3000	150	53J	10U	2U	17J	230J	11U	2U
DIBENZIOTHIOPHENE	null	null							
DIBENZO(A,H)ANTHRACENE	0.6	92	5U	5U	1U	5U	40U	5U	1U
DIBENZOFURAN	null	1.2	1200	23J	1U	75	1500	34J	4J
DIETHYL PHTHALATE	1100000	2900	11U	10U	2U	10U	80U	11U	2U
DIMETHYL PHTHALATE	null	37000	11U	10U	2U	10U	80U	11U	2U
DIPHENYLETHER	null	null							
FLUORANTHENE	260	150	**300**	110	2J	19J	**880**	7J	26
FLUORENE	1900	24	870J	33J	1U	55	1100	22J	6J
HEXACHLOROBENZENE	6	0.042	5U	5U	1U	5U	40U	5U	1U
HEXACHLOROBUTADIENE	1000	0.73	5U	5U	1U	5U	40U	5U	1U
HEXACHLOROCYCLOPENTADIENE	1800	22	27U	26U	5U	26U	200U	26U	6U
HEXACHLOROETHANE	100	3.65	5U	5U	1U	5U	40U	5U	1U
HEXANOIC ACID	null	null							
INDENO(1,2,3-CD)PYRENE	62	0.092	11J	21J	1J	5U	**68J**	5U	3J
ISOPHORONE	100000	70	5U	5U	1U	5U	40U	5U	1U
N-EIOCOSANE	null	null							
N-HEXADACANE	null	null							
N-NITROSO-DI-N-PROPYLAMINE	370	96	5U	5U	1U	5U	40U	5U	1U
N-NITROSODIPHENYLAMINE	35000	14	11U	10U	2U	10U	80U	11U	2U
N-TETRACDECANE	null	null							
N-TETRACOSANE	null	null							
NAPHTHALENE	30000	0.65	12000	64	1J	6800	**33000**	**2500**	**13**
NITROBENZENE	51000	0.35	5U	5U	1U	5U	40U	5U	1U
P-ISOPROPYLTOLUENE	null	null							
PENTACHLOROPHENOL	1000	0.56	16U	16U	3U	16U	120U	16U	3U
PHENANTHRENE	1100	null	1100J	140	1J	64	**2100**	26J	26
PHENOL	400000	1100	68	800	1U	770J	18000	870	8J
PYRENE	130	18	**210**	98	1J	17J	**700**	5U	**20**
PYRIDINE	null	3.7							
THIANAPHTHENE	null	null							

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

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Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-301											
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	12/10/03	6/9/04	6/14/05	8/10/06	6/8/07	6/26/08	6/16/10	6/16/11	6/14/12	6/6/13
VOCs														
1,1,1-TRICHLOROETHANE	2000	320	10U		0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8U	1.0U	2.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	9J		1U	1U	1U	1U	1U	1UJ	1U	1U	1.0U	2.0U
1,1,2-TRICHLOROETHANE	50	0.19	10U		0.8U	0.8U	0.8U	3U	3U	0.8UJ	0.8U	0.8U	1.0U	2.0U
1,1-DICHLOROETHANE	1100	80	10U		1U	1U	1U	5U	5U	1UJ	1U	1U	1.0U	2.0U
1,1-DICHLOROETHENE	70	35	10U		0.8U	0.8U	0.8U	2U	2U	0.8UJ	0.8U	0.8U	1.0U	2.0U
1,2-DICHLOROETHANE	50	0.12	10U		1U	1U	1U	2U	2U	1UJ	1U	1U	1.0U	2.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	10U								1.8U			
1,2-DICHLOROPROPANE	50	0.16	10U		1U	1U	1U	1U	1U	1UJ	1U	1U	1.0U	2.0U
2-BUTANONE	580000	700	6J		3R	3U	3U	5U	5UJ	3UJ	3U	3U	10U	20U
2-HEXANONE	null	null	10U		3U	3U	3U	5U	5UJ	3UJ	3U	3U	5.0U	10U
4-METHYL-2-PENTANONE	41000	630	17J		3U	3U	3U	5U	5UJ	3UJ	3U	3U	5.0U	10U
ACETONE	100000	550	270	10B	6R	6R	15U	5U	5U	6UJ	15U	6U	25.8	20U
ALPHA METHYL STYRENE	null	43	BDL	BDL										
BENZENE	500	0.34	14000J	11	23	29	12	1U	0.8J	7J	0.5 J	1J	5.7	2.0U
BROMODICHLOROMETHANE	100	0.17	10U		1U	1U	1U	1U	1U	1UJ	1U	1U	1.0U	2.0U
BROMOFORM	10000	8.5	10U		1U	1U	1U	4U	4U	1UJ	1U	1U	4.0U	8.0U
BROMOMETHANE	1000	0.85	10U		1U	1U	1U	5U	5UJ	1UJ	1U	1U	2.0U	4.0U
CARBON DISULFIDE	4100	100	10U		1U	1U	1U	5U	5U	1UJ	1U	1U	2.0U	4.0U
CARBON TETRACHLORIDE	50	0.16	10U		1U	1U	1U	2U	2U	1UJ	1U	1U	1.0U	2.0U
CHLOROBENZENE	10000	11	10	BDL	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8U	1.0U	2.0U
CHLORODIBROMOMETHANE	10000	0.13	10U		1U	1U	1U	5U	5U	1UJ	1U	1U	1.0U	2.0U
CHLOROETHANE	90000	3.6	10U		1U	1U	1U	5U	5UJ	1UJ	1U	1U	1.0U	2.0U
CHLOROFORM	1000	0.15	10	BDL	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8U	1.0U	2.0U
CHLOROMETHANE	300	19	10U		1U	1U	1U	5U	5U	1UJ	1U	1U	0.41J	2.0U
CIS-1,2-DICHLOROETHENE	700	6.1			0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8U	0.20J	2.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	10U		1U	1U	1U	5U	5U	1UJ	1U	1U	1.0U	2.0U
ETHYLBENZENE	70000	130	420J	BDL	7	11	5	4U	0.40J	5J	5	0.8U	0.87J	2.0U
ISOPROPYLBENZENE	50000	66	9200J	BDL	520J	730	760	140	110	440J	160	490	7390	362
METHYL ACETATE	null	null											5.0U	10U
METHYL TERT-BUTYL ETHER	200	2.6			0.6J	0.5U	0.5U			0.5UJ	0.5U	0.5U	2.1	2.0U
METHYLCYCLOHEXANE	null	630											5.0U	10U
METHYLENE CHLORIDE	500	4.1			2U	2U	2U	3U	3U	2UJ	2U	2U	2.0U	4.0U
STYRENE	10000	160	100U	4	1U	1U	1U	5U	5U	1UJ	1U	1U	5.0U	10U
TERT-BUTYL ALCOHOL	null	null			10U	10U	10U			10UJ	10U	10U		
TETRACHLOROETHENE	50	0.1	10U		0.8U	0.8U	0.8U	1U	1U	0.8UJ	0.8U	0.8U	1.0U	2.0U
TOLUENE	100000	75	9J	BDL	0.7U	0.7U	0.7U	5U	5U	0.7UJ	0.7U	0.7U	0.48J	2.0U
TRANS-1,2-DICHLOROETHENE	1000	12			0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8U	1.0U	2.0U
TRANS-1,3-DICHLOROPROPENE	null		10U		1U	1U	1U	5U	5U	1UJ	1U	1U	1.0U	2.0U
TRICHLOROETHENE	50	0.026	10U		1U	1U	1U	1U	1U	1UJ	1U	1U	1.0U	2.0U
TRICHLOROFLUOROMETHANE	200000	130			2U	2U	2U			2UJ	2U	2U	5.0U	10U
VINYL CHLORIDE	20	0.015	10U		1U	1U	1U	5U	5U	1UJ	1U	1U	1.0U	2.0U
XYLENES, TOTAL	180000	21	4J	BDL	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8U	1.4	2.0U

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Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-301											
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	12/10/03	6/9/04	6/14/05	8/10/06	6/8/07	6/26/08	6/16/10	6/16/11	6/14/12	6/6/13
SVOCs	Aquifers													
1,1'-BIPHENYL	null	30											1.1U	1.0U
1,2,4-TRICHLOROBENZENE	44000	0.72	10U		1U	1U	1U	1U	1.10U	1U	1U	1U	5.0U	10U
1,2-DICHLOROBENZENE	60000	27	10U		1U	1U	1U	10U	11U	1U	1U	1U	1.0U	2.0U
1,3-DICHLOROBENZENE	60000	18	10U		1U	1U	1U	10U	11U	1U	1U	1U	1.0U	2.0U
1,4-DICHLOROBENZENE	7500	0.47	10U		1U	1U	1U	10U	11U	1U	1U	1U	1.0U	2.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	10U		1U	1U	1U	10U	11U	1U	1U	1U	2.1U	2.0U
2,4,5-TRICHLOROPHENOL	1000000	370	25U		1U	1U	1U	10U	11U	1U	1U	1U	5.3U	5.0U
2,4,6-TRICHLOROPHENOL	31000	6.1	10U		1U	1U	1U	10U	11UJ	1U	1U	1U	5.3U	5.0U
2,4-DICHLOROPHENOL	20000	11	10U		1U	1U	1U	10U	11U	1U	1U	1U	5.3U	5.0U
2,4-DIMETHYLPHENOL	2000000	73	32	1J	1U	1U	3J	10U	11U	3U	3U	3U	5.3U	5.7
2,4-DINITROPHENOL	410	7.3	25UJ		22U	19U	20U	30U		21U	10U	10U	21U	20U
2,4-DINITROTOLUENE	8400	7.3	10U		1U	1U	1U	2U	2.10U	1U	1U	1U	2.1U	2.0U
2,6-DINITROTOLUENE	100000	3.7	10U		1U	1U	1U	2U	2.10U	1U	1U	1U	2.1U	2.0U
2-CHLORONAPHTHALENE	8200	49	10U		1U	1U	1U	10U	11U	2U	2U	2U	2.1U	2.0U
2-CHLOROPHENOL	40	3	10U		1U	1U	1U	10U	11U	1U	1U	1U	5.3U	5.0U
2-METHYLNAPHTHALENE	2000	2.4	12	BDL	1U	1J	22	10U	11U	1U	1U	1U	1.1U	2.8
2-METHYLPHENOL	510000	180	10U	BDL	1U	1U	1U	10U	11U	1U	1U	1U	2.1U	2.0U
2-NAPHTHYLAMINE	null	null												
2-NITROANILINE	5.8	11	25U		1U	1U	1U	20U	21U	1U	1U	1U	5.3U	5.0U
2-NITROPHENOL	820000	null	10U		1U	1U	1U	10U	11U	1U	1U	1U	5.3U	5.0U
3,3'-DICHLOROBENZIDINE	3100	0.15	10U		1U	1U	2U	20U	21U	2U	2U	2U	5.3U	5.0U
3-NITROANILINE	5.8	1.1	25U		1U	1U	1U	20U	21U	1U	1U	1U	5.3U	5.0U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	25U		5U	5U	5U	30U		5U	5U	5U	21U	20U
4-BROMOPHENYL PHENYL ETHER	null	null	10U		1U	1U	1U	10U	11U	1U	1U	1U	2.1U	2.0U
4-CHLORO-3-METHYLPHENOL	510	null	10U		1U	1U	1U	10U	11U	1U	1U	1U	5.3U	5.0U
4-CHLOROANILINE	410	15	10U	BDL	1U	1U	1U	10U	11U	1U	1U	1U	5.3U	5.0U
4-CHLOROPHENYL PHENYL ETHER	null	null	10U		1U	1U	1U	10U	11U	2U	2U	2U	2.1U	2.0U
4-METHYLPHENOL	510000	18	46	BDL	2U	2U	2U	10U	11U	2U	2U	2U		
4-NITROANILINE	5.8	3.3	25U		1U	1U	1U	20U	21U	1U	1U	1U	5.3U	5.0U
4-NITROPHENOL	60000	null	25U		11U	10U	10U	30U	32U	10U	10U	10U	11U	10U
ACENAPHTHENE	3800	37	7J	BDL	1U	1J	30	10U	11U	1U	1U	1J	12.7	1.0U
ACENAPHTHYLENE	16000	null	10U	BDL	1U	1U	1U	10U	11U	1U	1U	1U	1.1U	1.0U
ACETOPHENONE	null	61											32.9	2.0U
ALPHA-NAPHTHYLAMINE	null	null												
ANTHRACENE	66	180	10U	BDL	1U	1U	1U	10U	11U	1U	1U	1U	1.1U	1.0U
BENZALDEHYDE	null	370											5.3U	5.0U
BENZO(A)ANTHRACENE	11	0.092	10U	BDL	1U	1U	1U	1U	1.10U	1U	1U	1U	1.1U	1.0U
BENZO(A)PYRENE	3.8	0.0092	10U	BDL	1U	1U	1U	1U	1.10U	1U	1U	1U	1.1U	1.0U
BENZO(B)FLUORANTHENE	1.2	0.092	10U	BDL	1U	1U	1U	1U	1.10U	1U	1U	1U	1.1U	1.0U
BENZO(G,H,I)PERYLENE	0.26	null	10U	BDL	1U	1U	1U	10U	11U	1U	1U	1U	1.1U	1.0U
BENZO(K)FLUORANTHENE	0.55	0.92	10U	BDL	1U	1U	1U	1U	1.10UJ	1U	1U	1U	1.1U	1.0U
BENZOIC ACID	null	15000												

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-301											
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	12/10/03	6/9/04	6/14/05	8/10/06	6/8/07	6/26/08	6/16/10	6/16/11	6/14/12	6/6/13
SVOCs (cont.)														
BIS(2-CHLOROETHOXY)METHANE	null	null	10U	BDL	1U	1U	1U	10U	11U	1U	1U	1U	2.1U	2.0U
BIS(2-CHLOROETHYL)ETHER	55	96	10U	BDL	1U	1U	1U	1U	1.10U	1U	1U	1U	2.1U	2.0U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	10U	4J	4J	2J	2U	10U	11U	4J	13	7J	2.1U	1.5J
BUTYLBENZYL PHTHALATE	2700	730	10U		2U	2U	2U	10U	11U	2U	2U	2U	2.1U	2.0U
CAPROLACTAM	null	null											2.1U	2.0U
CARBAZOLE	1200	3.3	10U	BDL	1U	1U	5J	10U	11U	1U	1U	1U	0.76J	1.0U
CHRYSENE	1.9	9.2	10U	BDL	1U	1U	1U	10U	11U	1U	1U	1U	1.1U	1.0U
DI-N-BUTYL PHTHALATE	400000	370	10U	BDL	2U	2U	2U	10U	11U	2U	2U	2U	2.1U	2.0U
DI-N-OCTYL PHTHALATE	3000	150	10U		2U	2U	2U	10U	11U	2U	2U	2U	2.1U	2.0U
DIBENZIOTHIOPHENE	null	null												
DIBENZO(A,H)ANTHRACENE	0.6	92	10U	BDL	1U	1U	1U	1U	1.10U	1U	1U	1U	1.1U	1.0U
DIBENZOFURAN	null	1.2	10U	BDL	1U	1U	6J	10U	11U	1U	1U	1U	2.0J	5.0U
DIETHYL PHTHALATE	1100000	2900	10U	BDL	2U	2U	2U	10U	11U	2U	2U	2U	2.1U	1.1J
DIMETHYL PHTHALATE	null	37000	10U	BDL	2U	2U	2U	10U	11U	2U	2U	2U	2.1U	2.0U
DIPHENYLETHER	null	null												
FLUORANTHENE	260	150	10U	BDL	1U	1U	1U	10U	11U	1U	1U	1U	1.1U	1.0U
FLUORENE	1900	24	10U	BDL	1U	1U	4J	10U	11U	1U	1U	1U	1.9	1.0U
HEXACHLOROBENZENE	6	0.042	10U		1U	1U	1U	1U	1.10U	1U	1U	1U	1.1U	1.0U
HEXACHLOROBUTADIENE	1000	0.73	10U		1U	1U	1U	2U	2.10U	1U	1U	1U	1.1U	1.0U
HEXACHLOROCYCLOPENTADIENE	1800	22	10U		5U	5U	5U	10U	11UJ	5U	5U	5U	11U	10U
HEXACHLOROETHANE	100	3.65	10U		1U	1U	1U	1U	1.10U	1U	1U	1U	2.1U	2.0U
HEXANOIC ACID	null	null												
INDENO(1,2,3-CD)PYRENE	62	0.092	10U	BDL	1U	1U	1U	1U	1.10U	1U	1U	1U	1.1U	1.0U
ISOPHORONE	100000	70	10U		1U	1U	1U	10U	11U	1U	1U	1U	2.1U	2.0U
N-EIOCOSANE	null	null												
N-HEXADACANE	null	null												
N-NITROSO-DI-N-PROPYLAMINE	370	96	10U		1U	1U	1U	1U	1.10U	1U	1U	1U	2.1U	2.0U
N-NITROSODIPHENYLAMINE	35000	14	10U		2U	2U	2U	10U	11U	2U	2U	2U	5.3U	5.0U
N-TETRACDECANE	null	null												
N-TETRACOSANE	null	null												
NAPHTHALENE	30000	0.65	110	BDL	1U	1U	2J	10U	11U	1U	1U	1U	1.1U	1.6
NITROBENZENE	51000	0.35	10U	BDL	1U	1U	1U	1U	1.10U	1U	1U	1U	2.1U	2.0U
P-ISOPROPYLTOLUENE	null	null												
PENTACHLOROPHENOL	1000	0.56	25U		3U	3U	3U	30U	32UJ	3U	3U	3U	11U	10U
PHENANTHRENE	1100	null	10U	1J	1U	1U	1U	10U	11U	1U	1U	1U	1.1U	1.0U
PHENOL	400000	1100	160	5J	1U	1U	4J	10U	11U	1U	1U	1U	1.7J	2.0U
PYRENE	130	18	10U	BDL	1U	1U	1U	10U	11U	1U	1U	1U	1.1U	1.0U
PYRIDINE	null	3.7												
THIANAPHTHENE	null	null												

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-302		MW-303													
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	10/1/93	6/1/96	12/1/98	12/10/03	6/9/04	6/15/05	8/10/06	6/8/07	6/27/08	6/10/09	6/16/10	6/16/11	6/14/12	6/5/13
VOCs																		
1,1,1-TRICHLOROETHANE	2000	320	200U		10U	BDL		0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8UJ	0.8 U	0.8U	1.0U	1.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	200U		10U			1U	1U	1U	1U	1U	1UJ	1UJ	1 U	1U	1.0U	1.0U
1,1,2-TRICHLOROETHANE	50	0.19	200U		10U			0.8U	0.8U	0.8U	3U	3U	0.8UJ	0.8UJ	0.8 U	0.8U	1.0U	1.0U
1,1-DICHLOROETHANE	1100	80	200U		10U			1U	1U	1U	5U	5U	1UJ	1UJ	1 U	1U	1.0U	1.0U
1,1-DICHLOROETHENE	70	35	200U		10U	BDL		0.8U	0.8U	0.8U	2U	2U	0.8UJ	0.8UJ	0.8 U	0.8U	1.0U	1.0U
1,2-DICHLOROETHANE	50	0.12	200U		10U	BDL		1U	1U	1U	2U	2U	1UJ	1UJ	1 U	1U	1.0U	1.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	200U		10U	BDL												
1,2-DICHLOROPROPANE	50	0.16	200U		10U			1U	1U	1U	1U	1U	1UJ	1UJ	1 U	1U	1.0U	1.0U
2-BUTANONE	580000	700	200U		10U			3U	3U	3U	5U	5UJ	3UJ	3UJ	3 U	3U	10U	10U
2-HEXANONE	null	null	200U		10U			3U	3U	3U	5U	5UJ	3UJ	3UJ	3 U	3U	5.0U	5.0U
4-METHYL-2-PENTANONE	41000	630	200U		10U			3U	3U	3U	5U	5UJ	3UJ	3UJ	3 U	3U	5.0U	5.0U
ACETONE	100000	550	520J	BDL	9B	BDL	BDL	6U	12J	130UJ	5U	56	13J	32J	48	440	10U	10U
ALPHA METHYL STYRENE	null	43	94J	BDL	BDL		BDL											
BENZENE	500	0.34	**3000**	**5300**	5J	BDL	BDL	0.5R	0.6J	0.5U	1U	1U	0.5UJ	0.5UJ	0.5 U	0.5U	0.67J	1.0U
BROMODICHLOROMETHANE	100	0.17	200U		10U			1U	1U	1U	1U	1U	1UJ	1UJ	1 U	1U	1.0U	1.0U
BROMOFORM	10000	8.5	200U		10U			1U	1U	1U	4U	4U	1UJ	1UJ	1 U	1U	4.0U	4.0U
BROMOMETHANE	1000	0.85	200U		10U			1U	1U	1U	5U	5UJ	1UJ	1UJ	1 U	1U	2.0U	2.0U
CARBON DISULFIDE	4100	100	200U		10U			1U	1U	1U	5U	5U	1UJ	1UJ	1 U	1U	2.0U	2.0U
CARBON TETRACHLORIDE	50	0.16	200U		10U			1U	1U	1U	2U	2U	1UJ	1UJ	1 U	1U	1.0U	1.0U
CHLOROBENZENE	10000	11	200	BDL	10U	BDL	BDL	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8UJ	0.8 U	0.8U	1.0U	1.0U
CHLORODIBROMOMETHANE	10000	0.13	200U		10U			1U	1U	1U	5U	5U	1UJ	1UJ	1 U	1U	1.0U	1.0U
CHLOROETHANE	90000	3.6	200U		10U			1U	1U	1U	5U	5UJ	1UJ	1UJ	1 U	1U	1.0U	1.0U
CHLOROFORM	1000	0.15	200U	BDL	10U	BDL	BDL	0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8UJ	0.8 U	0.8U	1.0U	1.0U
CHLOROMETHANE	300	19	200U		10U			1U	1U	1U	5U	5U	1UJ	1UJ	1 U	1U	1.0U	1.0U
CIS-1,2-DICHLOROETHENE	700	6.1						0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8UJ	0.8 U	0.8U	1.0U	1.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	200U		10U			1U	1U	1U	5U	5U	1UJ	1UJ	1 U	1U	1.0U	1.0U
ETHYLBENZENE	70000	130	1200	1400	10U	BDL	BDL	0.8U	0.8U	0.8U	4U	4U	0.8UJ	0.8UJ	0.8 U	0.8U	1.0U	1.0U
ISOPROPYLBENZENE	50000	66	58J	BDL	10B	BDL	4	1U	4J	1U	4.3J	0.70J	1UJ	2J	1 U	1J	0.63J	2.0U
METHYL ACETATE	null	null															5.0U	5.0U
METHYL TERT-BUTYL ETHER	200	2.6						0.5U	0.5U	0.5U			0.5UJ	0.5UJ	0.5 U	0.5U	1.0U	1.0U
METHYLCYCLOHEXANE	null	630															5.0U	5.0U
METHYLENE CHLORIDE	500	4.1						2U	2U	2U	3U	3U	2UJ	2UJ	2 U	2U	2.0U	2.0U
STYRENE	10000	160	660	640	10U	BDL	BDL	1U	1U	1U	5U	5U	1UJ	1UJ	1 U	1U	5.0U	5.0U
TERT-BUTYL ALCOHOL	null	null						10U	10U	10U				10UJ	10 U	10U		
TETRACHLOROETHENE	50	0.1	200U		10U			0.8U	0.8U	0.8U	1U	1U	0.8UJ	0.8UJ	0.8 U	0.8U	1.0U	1.0U
TOLUENE	100000	75	2700	4400	10U	BDL	BDL	0.7U	1J	0.7U	5U	0.40J	0.7UJ	0.90J	0.7 U	0.7U	1.0U	1.0U
TRANS-1,2-DICHLOROETHENE	1000	12						0.8U	0.8U	0.8U	5U	5U	0.8UJ	0.8UJ	0.8 U	0.8U	1.0U	1.0U
TRANS-1,3-DICHLOROPROPENE	null		200U		10U			1U	1U	1U	5U	5U	1UJ	1UJ	1 U	1U	1.0U	1.0U
TRICHLOROETHENE	50	0.026	200U		10U	BDL		1U	1U	1U	1U	1U	1UJ	1UJ	1 U	1U	1.0U	1.0U
TRICHLOROFLUOROMETHANE	200000	130						2U	2U	2U			2UJ	2UJ	2 U	2U	5.0U	5.0U
VINYL CHLORIDE	20	0.015	200U		10U			1U	1U	1U	5U	5U	1UJ	1UJ	1 U	1U	1.0U	1.0U
XYLENES, TOTAL	180000	21	4700	5200	10U	BDL	BDL	0.8U	1J	0.8U	5U	5U	0.8UJ	4J	0.8 U	0.8U	1.0U	1.0U

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Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-302		MW-303													
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	10/1/93	6/1/96	12/1/98	12/10/03	6/9/04	6/15/05	8/10/06	6/8/07	6/27/08	6/10/09	6/16/10	6/16/11	6/14/12	6/5/13
SVOCs	Aquifers																	
1,1'-BIPHENYL	null	30															1.1U	1.1U
1,2,4-TRICHLOROBENZENE	44000	0.72	200U		40U			1U	1U	1U	1U	1U	1U	1U	5 U	1U	5.0U	5.0U
1,2-DICHLOROBENZENE	60000	27	200U		40U			1U	1U	1U	10U	10U	1U	1U	5 U	1U	1.0U	1.0U
1,3-DICHLOROBENZENE	60000	18	200U		40U			1U	1U	1U	10U	10U	1U	1U	5 U	1U	1.0U	1.0U
1,4-DICHLOROBENZENE	7500	0.47	200U		40U			1U	1U	1U	10U	10U	1U	1U	5 U	1U	1.0U	1.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	200U		40U			1U	1U	1U	10U	10U	1U	1U	5 U	1U	2.1U	2.2U
2,4,5-TRICHLOROPHENOL	1000000	370	500U		100U			1U	1U	1U	10U	10U	1U	1U	5 U	1U	5.3U	5.6U
2,4,6-TRICHLOROPHENOL	31000	6.1	200U		40U			1U	1U	1U	10U	10U	1U	1U	5 U	1U	5.3U	5.6U
2,4-DICHLOROPHENOL	20000	11	200U		40U			1U	1U	1U	10U	10U	1U	1U	5 U	1U	5.3U	5.6U
2,4-DIMETHYLPHENOL	2000000	73	2400	14000	20J	BDL	2J	1U	1U	3U	0.4J	10U	3U	3U	14 U	18	55	14.9
2,4-DINITROPHENOL	410	7.3	500U		100U			19U	20U	19U	30U	31UJ	21U	21U	48 U	11U	21U	22U
2,4-DINITROTOLUENE	8400	7.3	200U		40U			1U	1U	1U	2U	2.10U	1U	1U	5 U	1U	2.1U	2.2U
2,6-DINITROTOLUENE	100000	3.7	200U		40U			1U	1U	1U	2U	2.10U	1U	1U	5 U	1U	2.1U	2.2U
2-CHLORONAPHTHALENE	8200	49	200U		40U			1U	1U	1U	10U	10U	2U	2U	10 U	2U	2.1U	2.2U
2-CHLOROPHENOL	40	3	200U		40U			1U	1U	1U	10U	10U	1U	1U	5 U	1U	5.3U	5.6U
2-METHYLNAPHTHALENE	2000	2.4	**2600**	**11000**	40U	BDL	BDL	1U	1U	1U	0.3J	10U	3J	2J	6 J	1U	1.1U	1.1U
2-METHYLPHENOL	510000	180	490	7000	40U	BDL	2J	1U	1U	2J	0.2J	0.40J	2J	1J	5 U	1U	2.1U	2.2U
2-NAPHTHYLAMINE	null	null																
2-NITROANILINE	5.8	11	500U		100U			1U	1U	1U	20U	21U	1U	1U	5 U	1U	5.3U	5.6U
2-NITROPHENOL	820000	null	200U		40U			1U	1U	1U	10U	10U	1U	1U	5 U	1U	5.3U	5.6U
3,3'-DICHLOROBENZIDINE	3100	0.15	200U		40U			1U	1U	2U	20U	21U	2U	2U	10 U	2U	5.3U	5.6U
3-NITROANILINE	5.8	1.1	500U		100U			1U	1U	1U	20U	21U	1U	1U	5 U	1U	5.3U	5.6U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	500U		100U			5U	5U	5U	30U	31U	5U	5U	24 U	5U	21U	22U
4-BROMOPHENYL PHENYL ETHER	null	null	200U		40U			1U	1U	1U	10U	10U	1U	1U	5 U	1U	2.1U	2.2U
4-CHLORO-3-METHYLPHENOL	510	null	200U		40U			1U	1U	1U	10U	10U	1U	1U	5 U	1U	5.3U	5.6U
4-CHLOROANILINE	410	15	200U	BDL	40U		BDL	1U	1U	1U	10U	10U	1U	1U	5 U	1U	5.3U	5.6U
4-CHLOROPHENYL PHENYL ETHER	null	null	200U		40U			1U	1U	1U	10U	10U	2U	2U	10 U	2U	2.1U	2.2U
4-METHYLPHENOL	510000	18	3200	19000	20J	BDL	2J	2U	2U	3J	1J	1.70J	2U	2U	10 U	2U		
4-NITROANILINE	5.8	3.3	500U		100U			1U	1U	1U	20U	21U	1U	1U	5 U	1U	5.3U	5.6U
4-NITROPHENOL	60000	null	500U		100U			10U	10U	10U	30U	0.70J	10U	10U	48 U	11U	11U	11U
ACENAPHTHENE	3800	37	430	2500	40U	BDL	BDL	1U	1U	1U	10U	10U	1U	1U	5 U	1U	1.1U	1.1U
ACENAPHTHYLENE	16000	null	100J	510	40U		BDL	1U	1U	1U	10U	10U	1U	1U	5 U	1U	1.1U	1.1U
ACETOPHENONE	null	61															2.1U	2.2U
ALPHA-NAPHTHYLAMINE	null	null																
ANTHRACENE	66	180	**110J**	**1200**	40U	BDL	BDL	1U	1U	1U	10U	10U	1U	1U	5 U	1U	1.1U	1.1U
BENZALDEHYDE	null	370															5.3U	5.3J
BENZO(A)ANTHRACENE	11	0.092	200U	**200**	40U		BDL	1U	1U	1U	1U	1U	1U	1U	5 U	1U	1.1U	0.67J
BENZO(A)PYRENE	3.8	0.0092	200U	**85J**	40U		BDL	1U	1U	1U	1U	1U	1U	1U	5 U	1U	1.1U	0.82J
BENZO(B)FLUORANTHENE	1.2	0.092	200U	**74J**	40U		BDL	1U	1U	1U	1U	1U	1U	1U	5 U	1U	1.1U	1.1
BENZO(G,H,I)PERYLENE	0.26	null	200U	**29J**	40U		BDL	1U	1U	1U	10U	10U	1U	1U	5 U	1U	1.1U	**0.64J**
BENZO(K)FLUORANTHENE	0.55	0.92	200U	**91J**	40U		BDL	1U	1U	1U	1U	1U	1U	1U	5 U	1U	1.1U	1.1U
BENZOIC ACID	null	15000				BDL												

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Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-302		MW-303													
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	10/1/93	6/1/96	12/1/98	12/10/03	6/9/04	6/15/05	8/10/06	6/8/07	6/27/08	6/10/09	6/16/10	6/16/11	6/14/12	6/5/13
SVOCs (cont.)																		
BIS(2-CHLOROETHOXY)METHANE	null	null	200U	BDL	40U		BDL	1U	1U	1U	10U	10U	1U	1U	5 U	1U	2.1U	2.2U
BIS(2-CHLOROETHYL)ETHER	55	96	200U	BDL	40U		BDL	1U	1U	1U	1U	1U	1U	1U	5 U	1U	2.1U	2.2U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	200U	140J	40U		4J	3J	2U	2U	10U	10U	**15**	9	18 J	12J	2.1U	2.5
BUTYLBENZYL PHTHALATE	2700	730	200U		40U			2U	2U	2U	10U	10U	2U	2U	10 U	2U	2.1U	2.2U
CAPROLACTAM	null	null												1U			2.1U	2.2U
CARBAZOLE	1200	3.3	140J	420	40U	BDL	BDL	1U	1U	1U	10U	10U	1U		5 U	1U	1.1U	1.1U
CHRYSENE	1.9	9.2	200U	**210**	40U		BDL	1U	1U	1U	10U	10U	1U	1U	5 U	1U	1.1U	0.70J
DI-N-BUTYL PHTHALATE	400000	370	200	BDL	40U		BDL	2U	2U	2U	10U	2.40J	2U	2J	10 U	2U	2.1U	1.3J
DI-N-OCTYL PHTHALATE	3000	150	200U		40U			2U	2U	2U	10U	10U	2U	2U	10 U	2U	2.1U	2.2U
DIBENZIOTHIOPHENE	null	null																
DIBENZO(A,H)ANTHRACENE	0.6	92	200U	**20J**	40U		BDL	1U	1U	1U	1U	1U	1U	1U	5 U	1U	1.1U	1.1U
DIBENZOFURAN	null	1.2	200	2900	40U	BDL	BDL	1U	1U	1U	10U	10U	1U	1U	5 U	1U	5.3U	5.6U
DIETHYL PHTHALATE	1100000	2900	200U	BDL	40U		BDL	2U	2U	2U	10U	10U	2U	2U	10 U	2U	2.1U	2.2U
DIMETHYL PHTHALATE	null	37000	200	BDL	40U	BDL	BDL	2U	2U	2U	10U	10U	2U	2U	10 U	2U	2.1U	2.2U
DIPHENYLETHER	null	null																
FLUORANTHENE	260	150	99J	**1300**	40U	BDL	BDL	1U	1U	1U	10U	10U	1U	1U	5 U	1U	1.1U	0.99J
FLUORENE	1900	24	360	**2700B**	40U	BDL	BDL	1U	1U	1U	10U	10U	1U	1U	5 U	1U	1.1U	1.1U
HEXACHLOROBENZENE	6	0.042	200U		40U			1U	1U	1U	1U	1U	1U	1U	5 U	1U	1.1U	1.1U
HEXACHLOROBUTADIENE	1000	0.73	200U		40U			1U	1U	1U	2U	2.10U	1U	1U	5 U	1U	1.1U	1.1U
HEXACHLOROCYCLOPENTADIENE	1800	22	200U		40U			5U	5U	5U	10U	10U	5U	5U	24 U	5U	11U	11U
HEXACHLOROETHANE	100	3.65	200U		40U			1U	1U	1U	1U	1U	1U	1U	5 U	1U	2.1U	2.2U
HEXANOIC ACID	null	null																
INDENO(1,2,3-CD)PYRENE	62	0.092	200U	33J	40U		BDL	1U	1U	1U	1U	1U	1U	1U	5 U	1U	1.1U	0.66J
ISOPHORONE	100000	70	200U		40U			1U	1U	1U	10U	10U	1U	1U	5 U	1U	2.1U	2.2U
N-EIOCOSANE	null	null																
N-HEXADACANE	null	null																
N-NITROSO-DI-N-PROPYLAMINE	370	96	200U		40U			1U	1U	1U	1U	1U	1U	1U	5 U	1U	2.1U	2.2U
N-NITROSODIPHENYLAMINE	35000	14	200U		40U			2U	2U	2U	10U	10U	2U	2U	10 U	2U	5.3U	5.6U
N-TETRACDECANE	null	null																
N-TETRACOSANE	null	null																
NAPHTHALENE	30000	0.65	16000	**47000**	40U	BDL	6J	1U	1J	1J	1.3	0.5J	4J	4J	12 J	1U	1.1U	0.59J
NITROBENZENE	51000	0.35	200U	BDL	40U		BDL	1U	1U	1U	1U	1U	1U	1U	5 U	1U	2.1U	2.2U
P-ISOPROPYLTOLUENE	null	null																
PENTACHLOROPHENOL	1000	0.56	500U		100U			3U	3U	3U	30U	31U	3U	3U	14 U	3U	11U	11U
PHENANTHRENE	1100	null	450	**3000**	40U	BDL	BDL	1U	1U	1U	10U	10U	1U	1U	5 U	1U	1.1U	1.1U
PHENOL	400000	1100	570	65000	140	BDL	46	2J	5J	6J	1.1J	8.90J	15	37	6 J	2J	2.1U	2.2U
PYRENE	130	18	67J	**870**	40U	BDL	BDL	1U	1U	1U	10U	10U	1U	1U	5 U	1U	1.1U	0.88J
PYRIDINE	null	3.7																
THIANAPHTHENE	null	null																

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-304												
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	12/11/03	6/7/04	6/14/05	8/11/06	6/7/07	6/26/08	6/10/09	6/16/10	6/15/11	6/14/12	6/5/13
VOCs															
1,1,1-TRICHLOROETHANE	2000	320	10U		0.8UL	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	10U		1UL	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U
1,1,2-TRICHLOROETHANE	50	0.19	10U		0.8UL	0.8U	0.8U	3U	3U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
1,1-DICHLOROETHANE	1100	80	10U		1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
1,1-DICHLOROETHENE	70	35	10U		0.8UL	0.8U	0.8U	2U	2U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
1,2-DICHLOROETHANE	50	0.12	16B		1UL	1U	1U	2U	2U	1UJ	1U	1 U	1U	1.0U	1.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	10U												
1,2-DICHLOROPROPANE	50	0.16	10U		1UL	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U
2-BUTANONE	580000	700	10U		3UL	3U	3U	5U	5UJ	3UJ	3U	3 U	3U	10U	10U
2-HEXANONE	null	null	10U		3UL	3U	3U	5U	5UJ	3UJ	3U	3 U	3U	5.0U	5.0U
4-METHYL-2-PENTANONE	41000	630	10U		3UL	3U	3U	5U	5UJ	3UJ	3U	3 U	3U	5.0U	5.0U
ACETONE	100000	550	10U	BDL	12J	6U	6U	5U	5U	6UJ	6U	6 U	6U	10U	10U
ALPHA METHYL STYRENE	null	43	BDL	BDL											
BENZENE	500	0.34	10U	BDL	0.5UL	0.5U	0.5U	1U	1U	0.5UJ	0.5U	0.5 U	0.5U	1.0U	1.0U
BROMODICHLOROMETHANE	100	0.17	10U		1UL	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U
BROMOFORM	10000	8.5	10U		1UL	1U	1U	4U	4U	1UJ	1U	1 U	1U	4.0U	4.0U
BROMOMETHANE	1000	0.85	10U		1UL	1U	1U	5U	5UJ	1UJ	1U	1 U	1U	2.0U	2.0U
CARBON DISULFIDE	4100	100	10UJ		1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	2.0U	2.0U
CARBON TETRACHLORIDE	50	0.16	10U		1UL	1U	1U	2U	2U	1UJ	1U	1 U	1U	1.0U	1.0U
CHLOROBENZENE	10000	11	10U	BDL	0.8UL	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
CHLORODIBROMOMETHANE	10000	0.13	10U		1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
CHLOROETHANE	90000	3.6	10U		1UL	1U	1U	5U	5UJ	1UJ	1U	1 U	1U	1.0U	1.0U
CHLOROFORM	1000	0.15	3B	2	4J	33	26	54	7	3J	2J	0.9 J	0.8U	0.37J	0.84J
CHLOROMETHANE	300	19	10U		1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
CIS-1,2-DICHLOROETHENE	700	6.1			0.8UL	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	10U		1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
ETHYLBENZENE	70000	130	10U	BDL	0.8UL	0.8U	0.8U	4U	4U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
ISOPROPYLBENZENE	50000	66	BDL	BDL	1UL	1U	1U	1.4J	5U	1UJ	1J	1 U	8	2.0U	2.0U
METHYL ACETATE	null	null												5.0U	5.0U
METHYL TERT-BUTYL ETHER	200	2.6			0.5UL	0.5U	0.5U			0.5UJ	0.5U	0.5 U	0.5U	1.0U	1.0U
METHYLCYCLOHEXANE	null	630												5.0U	5.0U
METHYLENE CHLORIDE	500	4.1			2UL	2U	2U	3U	3U	2UJ	2U	2 U	2U	2.0U	2.0U
STYRENE	10000	160	10U	BDL	1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	5.0U	5.0U
TERT-BUTYL ALCOHOL	null	null			10UL	10U	10U			10UJ	10U	10 U	10U		
TETRACHLOROETHENE	50	0.1	10U		0.8UL	0.8U	0.8U	1U	1U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
TOLUENE	100000	75	10U	BDL	0.7UL	0.7U	0.7U	5U	5U	0.7UJ	0.70U	0.7 U	0.7U	1.0U	1.0U
TRANS-1,2-DICHLOROETHENE	1000	12			0.8UL	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
TRANS-1,3-DICHLOROPROPENE	null		10U		1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
TRICHLOROETHENE	50	0.026	10U		1UL	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U
TRICHLOROFLUOROMETHANE	200000	130			2UL	2U	2U			2UJ	2U	2 U	2U	5.0U	5.0U
VINYL CHLORIDE	20	0.015	10U		1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
XYLENES, TOTAL	180000	21	10U	BDL	1J	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U

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Reviewed by: JJH 9/13/2013

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Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-304												
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	12/11/03	6/7/04	6/14/05	8/11/06	6/7/07	6/26/08	6/10/09	6/16/10	6/15/11	6/14/12	6/5/13
SVOCs	Aquifers														
1,1'-BIPHENYL	null	30												1.0U	1.0U
1,2,4-TRICHLOROBENZENE	44000	0.72	10U		1U	1U	1U	1U	1.10U	1U	0.90U	1 U	1U	5.0U	5.0U
1,2-DICHLOROBENZENE	60000	27	10U		1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	1.0U	1.0U
1,3-DICHLOROBENZENE	60000	18	10U		1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	1.0U	1.0U
1,4-DICHLOROBENZENE	7500	0.47	10U		1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	1.0U	1.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	10U		1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	2.0U	2.0U
2,4,5-TRICHLOROPHENOL	1000000	370	25U		1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	5.0U	5.0U
2,4,6-TRICHLOROPHENOL	31000	6.1	10U		1U	1U	1U	10U	11UJ	1U	0.90U	1 U	1U	5.0U	5.0U
2,4-DICHLOROPHENOL	20000	11	10U		1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	5.0U	5.0U
2,4-DIMETHYLPHENOL	2000000	73	10U	BDL	1U	1U	3U	10U	11U	3U	3U	3 U	3U	5.0U	5.0U
2,4-DINITROPHENOL	410	7.3	25UJ		20U	21U	19U	30U		19U	19U	10 U	11U	20U	20U
2,4-DINITROTOLUENE	8400	7.3	10U		1U	1U	1U	2U	2.10U	1U	0.90U	1 U	1U	2.0U	2.0U
2,6-DINITROTOLUENE	100000	3.7	10U		1U	1U	1U	2U	2.10U	1U	0.90U	1 U	1U	2.0U	2.0U
2-CHLORONAPHTHALENE	8200	49	10U		1U	1U	1U	10U	11U	2U	2U	2 U	2U	2.0U	2.0U
2-CHLOROPHENOL	40	3	10U		1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	5.0U	5.0U
2-METHYLNAPHTHALENE	2000	2.4	10U	BDL	1U	1U	1U	10U	11U	1U	0.90U	2 J	1U	1.0U	1.0U
2-METHYLPHENOL	510000	180	10U	BDL	1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	2.0U	2.0U
2-NAPHTHYLAMINE	null	null													
2-NITROANILINE	5.8	11	25U		1U	1U	1U	20U	21U	1U	0.90U	1 U	1U	5.0U	5.0U
2-NITROPHENOL	820000	null	10U		1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	5.0U	5.0U
3,3'-DICHLOROBENZIDINE	3100	0.15	10U		1U	1U	2U	20U	21U	2U	2U	2 U	2U	5.0U	5.0U
3-NITROANILINE	5.8	1.1	25U		1U	1U	1U	20U	21U	1U	0.90U	1 U	1U	5.0U	5.0U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	25U		5U	5U	5U	30U		5U	5U	5 U	5U	20U	20U
4-BROMOPHENYL PHENYL ETHER	null	null	10U		1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	2.0U	2.0U
4-CHLORO-3-METHYLPHENOL	510	null	10U		1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	5.0U	5.0U
4-CHLOROANILINE	410	15	10U	BDL	1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	5.0U	5.0U
4-CHLOROPHENYL PHENYL ETHER	null	null	10U		1U	1U	1U	10U	11U	2U	2U	2 U	2U	2.0U	2.0U
4-METHYLPHENOL	510000	18	10U	BDL	2U	2U	2U	10U	11U	2U	2U	2 U	2U		
4-NITROANILINE	5.8	3.3	25U		1U	1U	1U	20U	21U	1U	0.90U	1 U	1U	5.0U	5.0U
4-NITROPHENOL	60000	null	25U		10U	10U	10U	30U	32U	10U	9U	10 U	11U	10U	10U
ACENAPHTHENE	3800	37	10U	BDL	1U	1U	1U	10U	11U	1U	0.90U	1 J	1U	1.0U	1.0U
ACENAPHTHYLENE	16000	null	10U	BDL	1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	1.0U	1.0U
ACETOPHENONE	null	61												2.0U	2.0U
ALPHA-NAPHTHYLAMINE	null	null													
ANTHRACENE	66	180	10U	BDL	1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	1.0U	1.0U
BENZALDEHYDE	null	370												5.0U	5.0U
BENZO(A)ANTHRACENE	11	0.092	10U	BDL	1U	1U	1U	1U	1.10U	1U	0.90U	1 U	1U	1.0U	1.0U
BENZO(A)PYRENE	3.8	0.0092	10U	BDL	1U	1U	1U	1U	1.10U	1U	0.90U	1 U	1U	1.0U	1.0U
BENZO(B)FLUORANTHENE	1.2	0.092	10U	BDL	1U	1U	1U	1U	1.10U	1U	0.90U	1 U	1U	1.0U	1.0U
BENZO(G,H,I)PERYLENE	0.26	null	10U	BDL	1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	1.0U	1.0U
BENZO(K)FLUORANTHENE	0.55	0.92	10U	BDL	1U	1U	1U	1U	1.10UJ	1U	0.90U	1 U	1U	1.0U	1.0U
BENZOIC ACID	null	15000													

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WELL ID	Nonuse	USEPA	MW-304												
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	12/11/03	6/7/04	6/14/05	8/11/06	6/7/07	6/26/08	6/10/09	6/16/10	6/15/11	6/14/12	6/5/13
SVOCs (cont.)															
BIS(2-CHLOROETHOXY)METHANE	null	null	10U	BDL	1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	2.0U	2.0U
BIS(2-CHLOROETHYL)ETHER	55	96	10U	BDL	1U	1U	1U	1U	1.10U	1U	0.90U	1 U	1U	2.0U	2.0U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	10U	2J	16	2U	2U	10U	11U	2U	8	9	7	2.0U	1.1J
BUTYLBENZYL PHTHALATE	2700	730	10U		2U	2U	2U	10U	11U	2U	2U	2 U	2U	2.0U	2.0U
CAPROLACTAM	null	null									0.90U			2.0U	2.0U
CARBAZOLE	1200	3.3	10U	BDL	1U	1U	1U	10U	11U	1U		1 U	1U	1.0U	1.0U
CHRYSENE	1.9	9.2	10U	BDL	1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	1.0U	1.0U
DI-N-BUTYL PHTHALATE	400000	370	10U	BDL	2U	2U	2U	10U	11U	2U	2U	2 U	2U	2.0U	2.0U
DI-N-OCTYL PHTHALATE	3000	150	10U		2J	2U	2U	10U	11U	2U	2U	2 U	2U	2.0U	2.0U
DIBENZIOTHIOPHENE	null	null													
DIBENZO(A,H)ANTHRACENE	0.6	92	10U	BDL	1U	1U	1U	1U	1.10U	1U	0.90U	1 U	1U	1.0U	1.0U
DIBENZOFURAN	null	1.2	10U	BDL	1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	5.0U	5.0U
DIETHYL PHTHALATE	1100000	2900	10U	BDL	2U	2U	2U	10U	11U	2U	2U	2 U	2U	2.0U	1.2J
DIMETHYL PHTHALATE	null	37000	10U	BDL	2U	2U	2U	10U	11U	2U	2U	2 U	2U	2.0U	2.0U
DIPHENYLETHER	null	null													
FLUORANTHENE	260	150	10U	BDL	1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	1.0U	1.0U
FLUORENE	1900	24	10U	BDL	1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	1.0U	1.0U
HEXACHLOROBENZENE	6	0.042	10U		1U	1U	1U	1U	1.10U	1U	0.90U	1 U	1U	1.0U	1.0U
HEXACHLOROBUTADIENE	1000	0.73	10U		1U	1U	1U	2U	2.10U	1U	0.90U	1 U	1U	1.0U	1.0U
HEXACHLOROCYCLOPENTADIENE	1800	22	10U		5U	5U	5U	10U	11UJ	5U	5U	5 U	5U	10U	10U
HEXACHLOROETHANE	100	3.65	10U		1U	1U	1U	1U	1.10U	1U	0.90U	1 U	1U	2.0U	2.0U
HEXANOIC ACID	null	null													
INDENO(1,2,3-CD)PYRENE	62	0.092	10U	BDL	1U	1U	1U	1U	1.10U	1U	0.90U	1 U	1U	1.0U	1.0U
ISOPHORONE	100000	70	10U		1U	1U	1U	10U	11U	1U	0.90U	1 U	1U	2.0U	2.0U
N-EIOCOSANE	null	null													
N-HEXADACANE	null	null													
N-NITROSO-DI-N-PROPYLAMINE	370	96	10U		1U	1U	1U	1U	1.10U	1U	0.90U	1 U	1U	2.0U	2.0U
N-NITROSODIPHENYLAMINE	35000	14	10U		2U	2U	2U	10U	11U	2U	2U	2 U	2U	5.0U	5.0U
N-TETRACDECANE	null	null													
N-TETRACOSANE	null	null													
NAPHTHALENE	30000	0.65	10U	1J	1U	1U	1U	10U	11U	1U	0.90U	2 J	1U	1.0U	1.7
NITROBENZENE	51000	0.35	10U	BDL	1U	1U	1U	1U	1.10U	1U	0.90U	1 U	1U	2.0U	2.0U
P-ISOPROPYLTOLUENE	null	null													
PENTACHLOROPHENOL	1000	0.56	25U		3U	3U	3U	30U	32UJ	3U	3U	3 U	3U	10U	10U
PHENANTHRENE	1100	null	10U	BDL	1U	1U	1U	10U	0.30J	1U	0.90U	1 U	1U	1.0U	1.0U
PHENOL	400000	1100	10U	BDL	1U	1U	1U	2J	11U	1U	0.90U	1 U	1U	2.0U	2.0U
PYRENE	130	18	10U	BDL	1U	1U	1U	10U	0.30J	1U	0.90U	1 U	1U	1.0U	1.0U
PYRIDINE	null	3.7													
THIANAPHTHENE	null	null													

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-305		
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	6/10/04
VOCs					
1,1,1-TRICHLOROETHANE	2000	320	500U		8U
1,1,2,2-TETRACHLOROETHANE	30	0.053	500U		10U
1,1,2-TRICHLOROETHANE	50	0.19	500U		8U
1,1-DICHLOROETHANE	1100	80	500U		10U
1,1-DICHLOROETHENE	70	35	500U		8U
1,2-DICHLOROETHANE	50	0.12	500U		10U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	500U		
1,2-DICHLOROPROPANE	50	0.16	500U		10U
2-BUTANONE	580000	700	500U		150
2-HEXANONE	null	null	500U		30U
4-METHYL-2-PENTANONE	41000	630	500U		30U
ACETONE	100000	550	130000B	BDL	45000L
ALPHA METHYL STYRENE	null	43	BDL	BDL	
BENZENE	500	0.34	**42000**	**59000**	**13000**
BROMODICHLOROMETHANE	100	0.17	500U		10U
BROMOFORM	10000	8.5	500U		10U
BROMOMETHANE	1000	0.85	500U		10U
CARBON DISULFIDE	4100	100	500U		10U
CARBON TETRACHLORIDE	50	0.16	500U		10U
CHLOROBENZENE	10000	11	500U	BDL	8U
CHLORODIBROMOMETHANE	10000	0.13	500U		10U
CHLOROETHANE	90000	3.6	500UJ		10U
CHLOROFORM	1000	0.15	500U	BDL	8U
CHLOROMETHANE	300	19	500U		10U
CIS-1,2-DICHLOROETHENE	700	6.1			8U
CIS-1,3-DICHLOROPROPENE	null	0.44	500U		10U
ETHYLBENZENE	70000	130	720	1400	210
ISOPROPYLBENZENE	50000	66	**130000J**	**4500**	**770**
METHYL ACETATE	null	null			
METHYL TERT-BUTYL ETHER	200	2.6			5U
METHYLCYCLOHEXANE	null	630			
METHYLENE CHLORIDE	500	4.1			20U
STYRENE	10000	160	500U	BDL	14J
TERT-BUTYL ALCOHOL	null	null			320J
TETRACHLOROETHENE	50	0.1	500U		8U
TOLUENE	100000	75	19000	23000	5300
TRANS-1,2-DICHLOROETHENE	1000	12			8U
TRANS-1,3-DICHLOROPROPENE	null		500U		10U
TRICHLOROETHENE	50	0.026	500U		10U
TRICHLOROFLUOROMETHANE	200000	130			20U
VINYL CHLORIDE	20	0.015	500U		10U
XYLENES, TOTAL	180000	21	5400	7700	1400

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Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-305		
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	6/10/04
SVOCs	Aquifers				
1,1'-BIPHENYL	null	30			
1,2,4-TRICHLOROBENZENE	44000	0.72	5000U		5U
1,2-DICHLOROBENZENE	60000	27	5000U		5U
1,3-DICHLOROBENZENE	60000	18	5000U		5U
1,4-DICHLOROBENZENE	7500	0.47	5000U		5U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	5000U		5U
2,4,5-TRICHLOROPHENOL	1000000	370	12000U		5U
2,4,6-TRICHLOROPHENOL	31000	6.1	5000U		5U
2,4-DICHLOROPHENOL	20000	11	5000U		5U
2,4-DIMETHYLPHENOL	2000000	73	86000J	110000	7200J
2,4-DINITROPHENOL	410	7.3	12000U		100U
2,4-DINITROTOLUENE	8400	7.3	5000U		5U
2,6-DINITROTOLUENE	100000	3.7	12000U		5U
2-CHLORONAPHTHALENE	8200	49	5000U		5U
2-CHLOROPHENOL	40	3	5000U		5U
2-METHYLNAPHTHALENE	2000	2.4	5000U	BDL	72
2-METHYLPHENOL	510000	180	190000J	120000	11000
2-NAPHTHYLAMINE	null	null			
2-NITROANILINE	5.8	11	12000U		5U
2-NITROPHENOL	820000	null	5000U		5U
3,3'-DICHLOROBENZIDINE	3100	0.15	5000U		5U
3-NITROANILINE	5.8	1.1	12000U		5U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	12000U		26U
4-BROMOPHENYL PHENYL ETHER	null	null	5000U		5U
4-CHLORO-3-METHYLPHENOL	510	null	5000U		5U
4-CHLOROANILINE	410	15	5000U	BDL	5U
4-CHLOROPHENYL PHENYL ETHER	null	null	5000U		5U
4-METHYLPHENOL	510000	18	**530000J**	310000	24000
4-NITROANILINE	5.8	3.3	12000U		5U
4-NITROPHENOL	60000	null	12000U		52U
ACENAPHTHENE	3800	37	5000U	BDL	5U
ACENAPHTHYLENE	16000	null	12000U	BDL	5U
ACETOPHENONE	null	61			
ALPHA-NAPHTHYLAMINE	null	null			
ANTHRACENE	66	180	5000U	BDL	5U
BENZALDEHYDE	null	370			
BENZO(A)ANTHRACENE	11	0.092	5000U	BDL	5U
BENZO(A)PYRENE	3.8	0.0092	5000U	BDL	5U
BENZO(B)FLUORANTHENE	1.2	0.092	5000U	BDL	5U
BENZO(G,H,I)PERYLENE	0.26	null	5000U	BDL	5U
BENZO(K)FLUORANTHENE	0.55	0.92	5000U	BDL	5U
BENZOIC ACID	null	15000			

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Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-305		
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	6/10/04
SVOCs (cont.)					
BIS(2-CHLOROETHOXY)METHANE	null	null	5000U	BDL	5U
BIS(2-CHLOROETHYL)ETHER	55	96	5000U	BDL	5U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	5000U	BDL	26J
BUTYLBENZYL PHTHALATE	2700	730	5000U		10U
CAPROLACTAM	null	null			
CARBAZOLE	1200	3.3	5000U	BDL	5U
CHRYSENE	1.9	9.2	5000U	BDL	5U
DI-N-BUTYL PHTHALATE	400000	370	5000U	BDL	10U
DI-N-OCTYL PHTHALATE	3000	150	5000U		10U
DIBENZIOTHIOPHENE	null	null			
DIBENZO(A,H)ANTHRACENE	0.6	92	5000U	BDL	5U
DIBENZOFURAN	null	1.2	5000U	BDL	5U
DIETHYL PHTHALATE	1100000	2900	5000U	BDL	10U
DIMETHYL PHTHALATE	null	37000	12000U	BDL	10U
DIPHENYLETHER	null	null			
FLUORANTHENE	260	150	5000U	BDL	5U
FLUORENE	1900	24	5000U	BDL	5U
HEXACHLOROBENZENE	6	0.042	5000U		5U
HEXACHLOROBUTADIENE	1000	0.73	5000U		5U
HEXACHLOROCYCLOPENTADIENE	1800	22	5000U		26U
HEXACHLOROETHANE	100	3.65	5000U		5U
HEXANOIC ACID	null	null			
INDENO(1,2,3-CD)PYRENE	62	0.092	5000U	BDL	5U
ISOPHORONE	100000	70	5000U		5U
N-EIOCOSANE	null	null			
N-HEXADACANE	null	null			
N-NITROSO-DI-N-PROPYLAMINE	370	96	5000U		5U
N-NITROSODIPHENYLAMINE	35000	14	5000U		10U
N-TETRACDECANE	null	null			
N-TETRACOSANE	null	null			
NAPHTHALENE	30000	0.65	4500J	BDL	520
NITROBENZENE	51000	0.35	5000U	BDL	5U
P-ISOPROPYLTOLUENE	null	null			
PENTACHLOROPHENOL	1000	0.56	12000U		16U
PHENANTHRENE	1100	null	5000U	BDL	5U
PHENOL	400000	1100	**3200000**	**1200000**	74000
PYRENE	130	18	5000U	BDL	5U
PYRIDINE	null	3.7			
THIANAPHTHENE	null	null			

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Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-306															
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	8/1/00	9/1/01	12/11/03	12/11/03 DUP	6/7/04	6/14/05	8/10/06	6/7/07	6/26/08	6/11/09	6/17/10	6/16/11	6/14/12	6/6/13
VOCs																		
1,1,1-TRICHLOROETHANE	2000	320	20U		10U		0.8UL	0.8UL	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
1,1,2,2-TETRACHLOROETHANE	30	0.053	20U		10U		1UL	1UL	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U
1,1,2-TRICHLOROETHANE	50	0.19	20U		10U		0.8UL	0.8UL	0.8U	0.8U	3U	3U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
1,1-DICHLOROETHANE	1100	80	20U		10U		1UL	1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
1,1-DICHLOROETHENE	70	35	20U		10U		0.8UL	0.8UL	0.8U	0.8U	2U	2U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
1,2-DICHLOROETHANE	50	0.12	20U		10U		1UL	1UL	1U	1U	2U	2U	1UJ	1U	1 U	1U	1.0U	1.0U
1,2-DICHLOROETHENE (TOTAL)	null	5.5	20U		0.8J	0.9J												
1,2-DICHLOROPROPANE	50	0.16	20U		10U		1UL	1UL	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U
2-BUTANONE	580000	700	20U		10U		3UL	3UL	3U	3U	5U	5UJ	3UJ	3U	3 U	3U	10U	10U
2-HEXANONE	null	null	20U		10U		3UL	3UL	3U	3U	5U	5UJ	3UJ	3U	3 U	3U	5.0U	5.0U
4-METHYL-2-PENTANONE	41000	630	20U		10U		3UL	3UL	3U	3U	5U	5UJ	3UJ	3U	3 U	3U	5.0U	5.0U
ACETONE	100000	550	20B	BDL	10U		6UL	6UL	6U	6U	5U	5U	6UJ	6U	18 J	6U	5.3J	10U
ALPHA METHYL STYRENE	null	43	4J	BDL	10U													
BENZENE	500	0.34	310	BDL	10U		0.5UL	0.5UL	0.5U	8	1U	1U	0.5UJ	0.5U	0.5 U	0.5U	1.0U	1.0U
BROMODICHLOROMETHANE	100	0.17	20U		10U		1UL	1UL	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U
BROMOFORM	10000	8.5	20U		10U		1UL	1UL	1U	1U	4U	4U	1UJ	1U	1 U	1U	4.0U	4.0U
BROMOMETHANE	1000	0.85	20U		10U		1UL	1UL	1U	1U	5U	5UJ	1UJ	1U	1 U	1U	2.0U	2.0U
CARBON DISULFIDE	4100	100	20U		10U		1UL	1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	2.0U	2.0U
CARBON TETRACHLORIDE	50	0.16	20U		10U		1UL	1UL	1U	1U	2U	2U	1UJ	1U	1 U	1U	1.0U	1.0U
CHLOROBENZENE	10000	11	5J	BDL	5J	3J	3J	5J	0.8U	0.8U	5U	0.5J	0.8UJ	0.8U	0.8 U	5	9.8	0.63J
CHLORODIBROMOMETHANE	10000	0.13	20U		10U		1UL	1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
CHLOROETHANE	90000	3.6	20U		10U		1UL	1UL	1U	1U	5U	5UJ	1UJ	1U	1 U	1U	1.0U	1.0U
CHLOROFORM	1000	0.15	20U	BDL	10U		0.8UL	0.8UL	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
CHLOROMETHANE	300	19	20U		10U		1UL	1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
CIS-1,2-DICHLOROETHENE	700	6.1					0.8UL	0.8UL	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	0.57J	1.0U
CIS-1,3-DICHLOROPROPENE	null	0.44	20U		10U		1UL	1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
ETHYLBENZENE	70000	130	20U	BDL	10U		0.8UL	0.8UL	0.8U	0.8U	4U	4U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
ISOPROPYLBENZENE	50000	66	42J	BDL	10U		1UL	1UL	1U	9	1J	2.90J	1UJ	1U	1 U	1U	2.0U	2.0U
METHYL ACETATE	null	null			11												5.0U	5.0U
METHYL TERT-BUTYL ETHER	200	2.6			10U		1J	1J	0.5U	2J			0.6J	0.70J	0.8 J	0.5J	0.77J	1.0U
METHYLCYCLOHEXANE	null	630			10U												5.0U	5.0U
METHYLENE CHLORIDE	500	4.1					2UL	2UL	2U	2U	3U	3U	2UJ	2U	2 U	2U	2.0U	2.0U
STYRENE	10000	160	20U	BDL	10U		1UL	1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	5.0U	5.0U
TERT-BUTYL ALCOHOL	null	null					10UL	11J	10U	10U			10UJ	10U	10 U	10U		
TETRACHLOROETHENE	50	0.1	20U		10U		0.8UL	0.8UL	0.8U	0.8U	1U	1U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
TOLUENE	100000	75	87	BDL	10U		0.7UL	0.7UL	0.7U	0.7U	5U	0.40J	0.7UJ	0.70U	0.7 U	0.7U	1.0U	1.0U
TRANS-1,2-DICHLOROETHENE	1000	12					0.8UL	0.8UL	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U
TRANS-1,3-DICHLOROPROPENE	null		20U		10U		1UL	1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
TRICHLOROETHENE	50	0.026	20U		10U		1UL	1UL	1U	1U	1U	1U	1UJ	1U	1 U	1U	1.0U	1.0U
TRICHLOROFLUOROMETHANE	200000	130					2UL	2UL	2U	2U			2UJ	2U	2 U	2U	5.0U	5.0U
VINYL CHLORIDE	20	0.015	20U		10U		1UL	1UL	1U	1U	5U	5U	1UJ	1U	1 U	1U	1.0U	1.0U
XYLENES, TOTAL	180000	21	25	BDL	10U		0.8UL	0.8UL	0.8U	0.8U	5U	5U	0.8UJ	0.8U	0.8 U	0.8U	1.0U	1.0U

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-306															
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	8/1/00	9/1/01	12/11/03	12/11/03	6/7/04	6/14/05	8/10/06	6/7/07	6/26/08	6/11/09	6/17/10	6/16/11	6/14/12	6/6/13
SVOCs (cont.)																		
BIS(2-CHLOROETHOXY)METHANE	null	null	200U	BDL	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	2.0U	2.0U
BIS(2-CHLOROETHYL)ETHER	55	96	160J	25	100	52	52	59	2J	46	2.4	4.2	2J	1J	5	15	27.8	2.0U
BIS(2-ETHYLHEXYL)PHTHALATE	290	4.8	200U	1J	10U	10U	18	10J	2U	2U	10U	10U	6	6	28	4J	1.3J	3.2
BUTYLBENZYL PHTHALATE	2700	730	200U		10U	10U	2U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.0U	2.0U
CAPROLACTAM	null	null			10U	10U								1U			2.0U	2.0U
CARBAZOLE	1200	3.3	200U	BDL	10U	10U	1U	1U	1U	1U	10U	10U	1U		1 U	0.9U	1.0U	1.0U
CHRYSENE	1.9	9.2	200U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	1.0U	1.0U
DI-N-BUTYL PHTHALATE	400000	370	200U	BDL	10U	10U	2U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.0U	2.0U
DI-N-OCTYL PHTHALATE	3000	150	200U		10U	10U	2U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.0U	2.0U
DIBENZIOTHIOPHENE	null	null			10U	10U												
DIBENZO(A,H)ANTHRACENE	0.6	92	200U	BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	0.9U	1.0U	1.0U
DIBENZOFURAN	null	1.2	200U	BDL	10U	10U	1U	1U	1U	1U	10U	0.20J	1U	1U	1 U	0.9U	5.0U	5.0U
DIETHYL PHTHALATE	1100000	2900	200U	BDL	10U	10U	2U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.0U	2.0U
DIMETHYL PHTHALATE	null	37000	200U	BDL	10U	10U	2U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	2.0U	2.0U
DIPHENYLETHER	null	null			10U	10U												
FLUORANTHENE	260	150	200U	BDL	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	1.0U	1.0U
FLUORENE	1900	24	200U	BDL	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	1.0U	1.0U
HEXACHLOROBENZENE	6	0.042	200U		10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	0.9U	1.0U	1.0U
HEXACHLOROBUTADIENE	1000	0.73	200U		10U	10U	1U	1U	1U	1U	2U	2U	1U	1U	1 U	0.9U	1.0U	1.0U
HEXACHLOROCYCLOPENTADIENE	1800	22	200U		10U	10U	6U	5U	5U	5U	10U	10UJ	5U	5U	5 U	5U	10U	10U
HEXACHLOROETHANE	100	3.65	200U		10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	0.9U	2.0U	2.0U
HEXANOIC ACID	null	null			10U	10U												
INDENO(1,2,3-CD)PYRENE	62	0.092	200U	BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	0.9U	1.0U	1.0U
ISOPHORONE	100000	70	200U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	2.0U	2.0U
N-EIOCOSANE	null	null			10U	10U												
N-HEXADACANE	null	null			10U	10U												
N-NITROSO-DI-N-PROPYLAMINE	370	96	200U		10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	0.9U	2.0U	2.0U
N-NITROSODIPHENYLAMINE	35000	14	200U		10U	10U	2U	2U	2U	2U	10U	10U	2U	2U	2 U	2U	5.0U	5.0U
N-TETRACDECANE	null	null			10U	10U												
N-TETRACOSANE	null	null			10U	10U												
NAPHTHALENE	30000	0.65	200U	1J	10U	2J	33	36	1U	3J	0.6	1.60J	1U	1U	1 U	5	1.0U	1.0U
NITROBENZENE	51000	0.35	200U	BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	0.9U	2.0U	2.0U
P-ISOPROPYLTOLUENE	null	null			10U	10U												
PENTACHLOROPHENOL	1000	0.56	500U		25U	25U	3U	3U	3U	3U	30U	30UJ	3U	3U	3 U	3U	10U	10U
PHENANTHRENE	1100	null	200U	BDL	10U	10U	1U	1U	1U	1U	10U	0.20J	1U	1U	1 U	0.9U	1.0U	1.0U
PHENOL	400000	1100	8600	1J	10U	10U	1U	1U	1U	1U	10U	10U	1U	12	1 U	0.9U	2.0U	2.0U
PYRENE	130	18	200U	BDL	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	1.0U	1.0U
PYRIDINE	null	3.7			10U	10U												
THIANAPHTHENE	null	null			10U	10U												

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

WELL ID	Nonuse	USEPA	MW-306															
SAMPLE DATE	Aquifer MSC	RBC	10/1/93	12/1/98	8/1/00	9/1/01	12/11/03	12/11/03	6/7/04	6/14/05	8/10/06	6/7/07	6/26/08	6/11/09	6/17/10	6/16/11	6/14/12	6/6/13
SVOCs	Aquifers																	
1,1'-BIPHENYL	null	30			10U	10U											1.0U	1.0U
1,2,4-TRICHLOROBENZENE	44000	0.72	200U		10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	0.9U	5.0U	5.0U
1,2-DICHLOROBENZENE	60000	27	200U		10U	4J	1U	1J	1U	2J	10U	10U	1U	1U	1 U	0.9U	0.72J	1.0U
1,3-DICHLOROBENZENE	60000	18	200U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	1.0U	1.0U
1,4-DICHLOROBENZENE	7500	0.47	200U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	1.0U	1.0U
2,2'-OXYBIS(1-CHLOROPROPANE)	30000	0.26	200U	BDL	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	2.0U	2.0U
2,4,5-TRICHLOROPHENOL	1000000	370	500U		25U	25U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	5.0U	5.0U
2,4,6-TRICHLOROPHENOL	31000	6.1	200U		10U	10U	1U	1U	1U	1U	10U	10UJ	1U	1U	1 U	0.9U	5.0U	5.0U
2,4-DICHLOROPHENOL	20000	11	200U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	5.0U	5.0U
2,4-DIMETHYLPHENOL	2000000	73	370	BDL	10U	10U	1U	1U	1U	3U	10U	0.30J	3U	3U	3 U	3U	5.0U	5.0U
2,4-DINITROPHENOL	410	7.3	500U		25U	25U	22U	21U	19U	20U	30U		20U	19U	10 U	9U	20U	20U
2,4-DINITROTOLUENE	8400	7.3	200U		10U	10U	1U	1U	1U	1U	2U	2U	1U	1U	1 U	0.9U	2.0U	2.0U
2,6-DINITROTOLUENE	100000	3.7	500U		10U	10U	1U	1U	1U	1U	2U	2U	1U	1U	1 U	0.9U	2.0U	2.0U
2-CHLORONAPHTHALENE	8200	49	200U		10U	10U	1U	1U	1U	1U	10U	10U	2U	2U	2 U	2U	2.0U	2.0U
2-CHLOROPHENOL	40	3	200U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	5.0U	5.0U
2-METHYLNAPHTHALENE	2000	2.4	200U		10U	10U	1U	1U	1U	1U	10U	0.70J	1U	1U	6	3J	1.0U	1.0U
2-METHYLPHENOL	510000	180	860	BDL	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	2.0U	2.0U
2-NAPHTHYLAMINE	null	null			10U	10U												
2-NITROANILINE	5.8	11	500U		25U	25U	1U	1U	1U	1U	20U	20U	1U	1U	1 U	0.9U	5.0U	5.0U
2-NITROPHENOL	820000	null	200U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	5.0U	5.0U
3,3'-DICHLOROBENZIDINE	3100	0.15	200U		10U	10U	1U	1U	1U	2U	20U	20U	2U	2U	2 U	2U	5.0U	5.0U
3-NITROANILINE	5.8	1.1	500U		25U	25U	1U	1U	1U	1U	20U	20U	1U	1U	1 U	0.9U	5.0U	5.0U
4,6-DINITRO-2-METHYLPHENOL	null	0.37	500U		25U	25U	6U	5U	5U	5U	30U		5U	5U	5 U	5U	20U	20U
4-BROMOPHENYL PHENYL ETHER	null	null	200U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	2.0U	2.0U
4-CHLORO-3-METHYLPHENOL	510	null	200U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	5.0U	5.0U
4-CHLOROANILINE	410	15	200U		10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	5.0U	5.0U
4-CHLOROPHENYL PHENYL ETHER	null	null	200U		10U	10U	1U	1U	1U	1U	10U	10U	2U	2U	2 U	2U	2.0U	2.0U
4-METHYLPHENOL	510000	18	2600	BDL	10U	10U	2U	2U	2U	2U	10U	10U	2U	2U	2 U	2U		
4-NITROANILINE	5.8	3.3	500U		25U	25U	1U	1U	1U	1U	20U	20U	1U	1U	1 U	0.9U	5.0U	5.0U
4-NITROPHENOL	60000	null	500U		25U	25U	11U	10U	10U	10U	30U	30U	10U	10U	10 U	9U	10U	10U
ACENAPHTHENE	3800	37	200U		0.3J	0.2J	1U	1U	1U	1U	10U	0.20J	1U	1U	1 U	0.9U	1.0U	1.0U
ACENAPHTHYLENE	16000	null	200U	BDL	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	1.0U	1.0U
ACETOPHENONE	null	61			10U	10U											2.0U	2.0U
ALPHA-NAPHTHYLAMINE	null	null			10U	10U												
ANTHRACENE	66	180	200U	BDL	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	1.0U	1.0U
BENZALDEHYDE	null	370			10U	10U											5.0U	5.0U
BENZO(A)ANTHRACENE	11	0.092	200U	BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	0.9U	1.0U	1.0U
BENZO(A)PYRENE	3.8	0.0092	200U	BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	0.9U	1.0U	1.0U
BENZO(B)FLUORANTHENE	1.2	0.092	200U	BDL	10U	10U	1U	1U	1U	1U	1U	1U	1U	1U	1 U	0.9U	1.0U	1.0U
BENZO(G,H,I)PERYLENE	0.26	null	200U	BDL	10U	10U	1U	1U	1U	1U	10U	10U	1U	1U	1 U	0.9U	1.0U	1.0U
BENZO(K)FLUORANTHENE	0.55	0.92	200U	BDL	10U	10U	1U	1U	1U	1U	1U	1UJ	1U	1U	1 U	0.9U	1.0U	1.0U
BENZOIC ACID	null	15000			10U	10U												

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 1. Historical VOCs and SVOCs in Groundwater
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

NOTES:
All sample results are in ug/L
Bolded results exceed the PADEP medium specific concentration non-use aquifer criteria
Underlined results exceed the EPA risk based criteria (RBC) for drinking water
Empty cells indicate that the sample was not analyzed for the indicated parameter

QUALIFIERS:
U- Indicates that the target compound was not detected at concentrations greater than the quantitation limit
J- Indicates that the reported concentration is a quantitative estimate
UJ- Indicates that the quantitation limit is considered an estimated value
B - Attributed to blank contamination
L - Biased low

Prepared by: VHL 8/30/2011
Updated by: LD 9/12/2013
Reviewed by: JJH 9/13/2013

Table 2. LNAPL Thickness and Groundwater Elevations
Honeywell Chemicals and Resins
Frankford Plant
Philadelphia, Pennsylvania

Well	TOC Elevation	06-2013 DTP	06-2013 DTW	06-2013 PT	Corrected GW Elevation
Shallow Aquifer					
MW-101	10.89	0	5.72	NP	5.17
MW-102	18.13	0	12.8	NP	5.33
MW-103*	7.46	NM	NM	NA	NA
MW-104	7.48	0	3.77	NP	3.71
MW-105	9.02	0	2.2	NP	6.82
MW-106	12.53	0	8.39	NP	4.14
MW-107	8.9	0	3.53	NP	5.37
MW-108	15.64	0	10.69	NP	4.95
MW-109	9.9	0	8.11	NP	1.79
MW-110	11.24	0	6.87	NP	4.37
MW-111	8.33	0	3.7	NP	4.63
MW-112	13.16	0	10.47	NP	2.69
MW-113	11.45	0	9.65	NP	1.80
MW-115	11.7	0	9.53	NP	2.17
MW-116	11.31	0	9.05	NP	2.26
MW-117*	8.4	NM	NM	NA	NA
MW-118	13.75	0	8.8	NP	4.95
MW-119*	9.22	0	1.66	NP	7.56
MW-121	11.25	0	6.45	NP	4.80
MW-122	10.65	0	4.86	NP	5.79
MW-123	9.1	0	7.1	NP	2.00
MW-201	7.98	0	1.05	NP	6.93
MW-202	12.53	6.58	6.75	0.17	5.92
MW-203	12.85	6.5	6.73	0.23	6.12
MW-204	9.01	0	2.27	NP	6.74
MW-205	13.59	0	8.05	NP	5.54
MW-206	10.68	0	5.52	NP	5.16
MW-207	10.86	5.61	6.71	1.1	5.09
MW-208	11.56	0	6.25	NP	5.31
MW-209	8.65	0	1.74	NP	6.91
MW-210	11.99	0	5.99	NP	6.00
MW-211	NA	0	7.21	NP	NA
MW-212	NA	0	6.59	NP	NA
MW-213	NA	0	5.7	NP	NA
MW-214	12	0	5.18	NP	6.82
MW-215	NA	0	4.44	NP	NA
MW-216	NA	0	4.33	NP	NA
MW-217	11.57	6.2	6.25	0.05	5.36
MW-218	14.98	8.2	9.3	1.1	6.62
MW-219	NA	9.2	9.85	0.65	NA
MW-220	NA	NM	NM	NA	NA
RC-02	12.58	7.32	8.05	0.73	5.15
RC-04*	14.33	NM	NM	NA	NA
RC-05	11.19	5.92	6.37	0.45	5.20
RC-07	9.88	0	2.77	NP	7.11
RC-09	10.11	0	3.52	NP	6.59
RC-10	9.3	0	1.27	NP	8.03
RC-16	15.63	0	10.35	NP	5.28
RC-17	15.41	10.05	11.2	1.15	5.19

Prepared by: KK

Table 2. LNAPL Thickness and Groundwater Elevations
Honeywell Chemicals and Resins
Frankford Plant
Philadelphia, Pennsylvania

Well	TOC Elevation	06-2013 DTP	06-2013 DTW	06-2013 PT	Corrected GW Elevation
RC-18	15.21	9.8	11.67	1.87	5.13
RC-19	14.02	8.75	10.9	2.15	4.95
RC-20	13.97	0	5.96	NP	8.01
RC-21	13.04	7.85	8.38	0.53	5.11
RC-21A	NA	7.52	7.95	0.43	NA
RC-21B	NA	0	6.31	NP	NA
RC-22	10.79	0	2.02	NP	8.77
RC-23	12.45	6.77	7.31	0.54	5.60
R-1	NA	0	3.57	NP	NA
R-2	NA	0	2.01	NP	NA
R-3	NA	0	1.35	NP	NA
R-4	NA	0	3.8	NP	NA
R-5	NA	0	5.57	NP	NA
R-6	NA	0	4.71	NP	NA
H-1	10.73	0	1.6	NP	9.13
H-3	15.71	10.33	11.6	1.27	5.19
H-4	12.78	0	4.43	NP	8.35
R-7	11.33	6.2	6.5	0.3	5.09
R-8	11.21	7.02	7.55	0.53	4.11
R-9	11.77	6.63	6.66	0.03	5.14
Deep Aquifer					
MW-301	7.26	0	4.85	NP	2.41
MW-302	8.41	0	5.86	NP	2.55
MW-303	11.04	0	6.88	NP	4.16
MW-304	11.94	0	9.5	NP	2.44
MW-305	9.25	5.88	6.6	0.72	2.65
MW-306	9.24	0	7.23	NP	2.01
Deep Aquifer					
Mean Tide**	0.425	0	11.23	NP	

	DTB				
PZ-1 East	10.00	8.35	8.42	0.07	NA
PZ-1 West	9.31	0	8.01	NP	NA
PZ-2 East	9.90	8.68	8.88	0.2	NA
PZ-2 West	9.16	0	7.88	NP	NA
PZ-3 East	7.45	0	dry	NP	NA
PZ-3 West	9.60	0	8.10	NP	NA
PZ-4 East	9.70	0	7.53	NP	NA
PZ-4 West	9.99	0	8.25	NP	NA
PZ-5 East	9.55	0	dry	NP	NA
PZ-5 West	9.35	0	dry	NP	NA

DTP - Depth to Product

DTW - Depth to Water

PT - Product Thickness

NA - Information is not available.

NM - DTP/DTW measurement was not collected.

NP - No product was measured in the well.

* - Wells that could not be located.

** - Calculated using Serfes 72-hour floating mean from "Determining the Mean Hydraulic Gradient of Ground WaterAffected by Tidal Fluctuations" from Groundwater July-August 1991

Prepared by: KK

Table 3
Quarterly LNAPL Recovery System Production Data
Honeywell Resins and Chemicals Frankford Plant
Philadelphia, Pennsylvania

System Monitoring Quarter	Dates	MW-202			MW-208, 210, 212			MW-205, 218, 219, 220			MW-215, 216		
		Total Production (Gal.)	Production Rate (Gal./Day)	Pumping Time (Days)	Total Production (Gal.)	Production Rate (Gal./Day)	Pumping Time (Days)	Total Production (Gal.)	Production Rate (Gal./Day)	Pumping Time (Days)	Total Production (Gal.)	Production Rate (Gal./Day)	Pumping Time (Days)
1	7/94 - 9/94	216	2.4	90	544	7.0	78	System Not Installed			404	8.2	49
2	10/94 - 12/94	146	1.7	86	193	2.6	74				602	6.9	87
3	1/95 - 3/95	99	1.5	66	173	3.1	56				93	2.1	44
4	4/95 - 6/95	153	1.8	85	128	1.7	75				151	2.0	76
5	7/95 - 9/95	0	0.0	90	168	1.8	93	521	6.9	76	86	0.9	96
6	10/95 - 12/95	60	1.2	50	224	4.8	47	911	21.4	43	79	0.9	88
7	1/96 - 3/96	6	0.3	20	233	4.9	48	525	10.4	50	2	0.0	100
8	4/96 - 6/96	95	1.1	86	395	5.6	71	837	26.4	32	18	0.2	90
9	7/96 - 9/96	148	1.7	87	377	6.1	62	916	33.4	27	24	0.4	67
10	10/96 - 12/96	166	2.4	69	330	6.7	49	625	25.0	25	0	0.0	90
11	1/97 - 3/97	13	0.2	65	253	4.6	55	339	16.4	21	0	0.0	90
12	4/97 - 6/97	1	0.0	90	368	5.3	69	693	19.2	36	0	0.0	90
13	7/97 - 9/97	100	1.1	91	311	5.9	53	411	6.9	60	0	0.0	90
14	10/97 - 12/97	243	4.5	54	280	4.5	62	207	5.5	38	0	0.0	90
15	1/98 - 3/98	119	1.3	92	28	0.6	47	203	4.9	41	0	0.0	90
16	4/98 - 6/98	50	1.5	33	183	2.6	70	476	14.8	32	0	0.0	90
17	7/98 - 9/98	67	1.4	48	290	5.4	54	288	6.4	45	60	1.4	43
18	10/98 - 12/98	72	1.4	51	182	5.8	31	186	5.1	36	0	0.0	90
19	1/99 - 3/99	80	1.1	73	221	6.1	36	329	6.2	53	0	0.0	90
20	4/99 - 6/99	56	1.1	51	214	2.6	82	386	14.2	27	0	0.0	90
21	7/99 - 9/99	53	0.8	66	166	2.2	75	276	6.9	40	0	0.0	90
22	10/99 - 12/99	93	1.3	72	93	1.9	49	456	8.8	52	0	0.0	90
23	1/00 - 3/00	56	0.9	62	118	1.4	84	514	15.4	33	0	0.0	90
24	4/00 - 6/00	47	0.6	85	120	2.1	57	694	18.6	37	0	0.0	90
25	7/00 - 9/00	84	0.9	94	289	3.8	77	447	36.5	12	0	0.0	95
26	10/00 - 12/00	47	0.7	70	91	1.4	66	514	12.2	42	0	0.0	90
27	1/01 - 3/01	19	0.2	91	15	0.2	91	169	2.8	61	0	0.0	90
28	4/01 - 6/01	37	0.3	121	65	0.8	84	159	2.2	72	0	0.0	90
29	7/01 - 9/01	2	0.0	81	21	0.3	77	101	1.4	75	0	0.0	90
30	10/01 - 12/01	1	0.0	94	37	1.0	38	66	0.8	83	0	0.0	90
31	1/02 - 3/02	1	0.0	86	47	1.0	48	19	0.5	42	0	0.0	90
32	4/02 - 6/02	6	0.1	93	108	1.3	84	6	0.1	99	0	0.0	90
33	7/02 - 9/02	12	0.1	87	7	0.1	79	1	0.0	89	0	0.0	0
34	10/02 - 12/02	9	0.1	92	0	0.0	92	0	0.0	50	6	0.2	35
35	1/03 - 3/03	2	0.0	87	15	0.5	92	1	0.0	86	0	0.0	90
36	4/03 - 6/03	4	0.0	91	17	0.2	92	5	0.1	94	0	0.0	90
37	7/03 - 9/03	4	0.0	86	13	0.1	92	0	0.0	90	0	0.0	90
38	10/03 - 12/03	7	0.1	97	12	0.1	92	15	0.1	90	0	0.0	90
39	1/04 - 3/04	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
40	4/04 - 6/04	6	0.1	53	8	0.2	39	14	0.2	67	0	0.0	0
41	7/04 - 9/04	0	0.0	0	3	0.03	93	16	0.2	93	0	0.0	0
42	10/04 - 12/04	29	0.6	45	4	0.05	91	18	0.2	90	0	0.0	0
43	1/05 - 3/05	0	0.0	0	2	0.02	91	0	0.0	0	0	0.0	0
44	4/05 - 6/05	2	0.2	14	13	0.2	62	25	1.0	26	0	0.0	0
45	7/05 - 9/05	3	0.0	92	4	0.0	92	132	1.5	86	0	0.0	0
46	10/05 - 12/05	0	0.0	91	7	0.1	79	103	2.3	45	0	0.0	0
47	1/06 - 3/06	0	0.0	80	1	0.1	14	62	0.9	67	0	0.0	0
48	4/06 - 6/06	72	0.9	83	0	0.0	27	48	0.5	93	0	0.0	0
49	7/06 - 9/06	0	0.0	31	20.8	0.3	70	60.9	1.0	61	0	0.0	0
50	10/06 - 12/06	13.2	0.3	52	6.2	0.1	79	215.5	3.0	72	0	0.0	0
51	1/07 - 3/07	3.5	0.1	54	0.0	0.0	90	34.6	0.4	81	0	0.0	0
52	4/07 - 6/07	0.0	0.0	0	0.0	0.0	90	66.4	0.7	94	0	0.0	0
53	7/07 - 9/07	0.0	0.0	0	0.0	0.0	0	179.2	2.7	66	0	0.0	0
54	10/07 - 12/07	0.0	0.0	0	0.0	0.0	0	144.2	2.4	60	0	0.0	0
55	1/08 - 3/08	System Decommissioned			System Decommissioned			80.6	1.0	83	System Decommissioned		
56	4/08 - 6/08							24.2	0.3	96			
57	7/08 - 9/08							27.0	0.3	86			
58	10/08 - 12/08							47.7	0.7	66			
59	1/09 - 3/09							9.0	0.1	86			
60	4/09 - 6/09							21.4	0.2	87			
61	7/09 - 9/09							0.0	0.0	0			
62	10/09 - 12/09							0.0	0.0	0			
63	1/10 - 3/10							0.0	0.0	0			
64	4/10- 6/10							0.0	0.0	0			
65	7/10 - 9/10							6.9	0.1	58			
66	10/10 - 12/10							20.8	0.2	88			
67	1/11 - 3/11							4.2	0.1	55			
68	4/11 - 6/11							28.7	0.8	36			
69	7/11 - 9/11							31.1	0.3	97			
70	10/11 - 12/11							16.3	0.2	86			
71	1/12 - 3/12							112.4	1.3	86			
72	4/12 - 6/12							25.9	2.0	13			
73	7/12 - 9/12							22.8	0.3	75			
74	10/12 - 12-12							1.2	0.0	91			
75	1/13 - 3/13							0.17	0.02	10			
76	4/13 - 6/13							1.04	0.03	40			
77	7/13 - 9/13							3.11	0.05	62			
78	10/13 - 12/13							0.69	0.02	43			
Total	Qtrs. 1 - 54	2505	-	3527	6397	-	3499				1525	-	3119
Average	**Qtrs. 1 - 54**	**46.4**	**0.7**	**65**	**118.5**	**1.8**	**65**				**28.2**	**0.5**	**58**
Total	Qtrs. 5 - 76							12896	-	4031			
Average	**Qtrs. 5 - 76**							179.1	3.2	55			

Table 4. Summary of Groundwater Analytical Results
December 2013
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

Client Sample ID: Date Sampled:	PA GW MSC Nonuse Aquifer (µg/L)	MW-101 12/12/2013	MW-102 12/11/2013	MW-104 12/12/2013	MW-105 12/11/2013	MW-106 12/11/2013	MW-107 12/12/2013	MW-108 12/11/2013
VOCs								
ACETONE	37,000	10 U	10 U	10 U	10 U	10 U	689	10 U
BENZENE	500	0.33 J	1 U	1 U	1 U	1 U	16.6	1 U
BROMOCHLOROMETHANE	90	5 U	5 U	5 U	5 U	5 U	5 U	5 U
BROMODICHLOROMETHANE	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BROMOFORM	10,000	4 U	4 U	4 U	4 U	4 U	4 U	4 U
BROMOMETHANE	1,000	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-BUTANONE (MEK)	280,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CARBON DISULFIDE	1,900	2 U	2 U	2 U	2 U	2 U	2 U	2 U
CARBON TETRACHLORIDE	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROBENZENE	10,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROETHANE	23,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROFORM	1,000	1 U	1 U	1 U	1 U	1 U	1 U	18.1
CHLOROMETHANE	300	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CYCLOHEXANE	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DIBROMO-3-CHLOROPROPANE	20	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIBROMOCHLOROMETHANE	NA	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DIBROMOETHANE	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-DICHLOROBENZENE	60,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-DICHLOROBENZENE	60,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-DICHLOROBENZENE	7,500	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DICHLORODIFLUOROMETHANE	100,000	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	270	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROETHANE	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHENE	70	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CIS-1,2-DICHLOROETHENE	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRANS-1,2-DICHLOROETHENE	1,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROPROPANE	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CIS-1,3-DICHLOROPROPENE	660	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRANS-1,3-DICHLOROPROPENE	660	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-DIOXANE	56	130 U	130 U	130 U	130 U	130 U	130 U	130 U
ETHYLBENZENE	70,000	0.26 J	1 U	1 U	1 U	1 U	28.4	1 U
FREON 113	170,000	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-HEXANONE	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ISOPROPYLBENZENE	50,000	1.2 J	2 U	2 U	0.75 J	123	3.4	2 U
METHYL ACETATE	37,000	5 U	5 U	5 U	5 U	5 U	5 U	5 U
METHYLCYCLOHEXANE	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT BUTYL ETHER	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-METHYL-2-PENTANONE(MIBK)	19,000	5 U	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	500	2 U	2 U	2 U	2 U	2 U	2 U	2 U
STYRENE	10,000	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	30	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	100,000	0.62 J	1 U	1 U	1 U	1 U	12.6	1 U
1,2,3-TRICHLOROBENZENE	NA	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-TRICHLOROBENZENE	44,000	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	2,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-TRICHLOROETHANE	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRICHLOROETHENE	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRICHLOROFLUOROMETHANE	200,000	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	20	1 U	1 U	1 U	1 U	1 U	1 U	1 U
M,P-XYLENE	NA	1	1 U	1 U	1 U	1 U	39.2	1 U
O-XYLENE	NA	0.51 J	1 U	1 U	1 U	1 U	41.7	1 U
XYLENE (TOTAL)	180,000	1.5	1 U	1 U	1 U	1 U	81	1 U

Prepared By: US 2/12/2014
Reviewed By: CP 2/12/2014

Table 4. Summary of Groundwater Analytical Results
December 2013
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

Client Sample ID: Date Sampled:	PA GW MSC Nonuse Aquifer (µg/L)	MW-101 12/12/2013	MW-102 12/11/2013	MW-104 12/12/2013	MW-105 12/11/2013	MW-106 12/11/2013	MW-107 12/12/2013	MW-108 12/11/2013
SVOCs								
2-CHLOROPHENOL	40	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
4-CHLORO-3-METHYL PHENOL	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
2,4-DICHLOROPHENOL	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
2,4-DIMETHYLPHENOL	NA	0.9 J	5.3 U	5.3 U	5 U	5 U	258	5.2 U
2,4-DINITROPHENOL	NA	28 U	26 U	26 U	25 U	25 U	560 U	26 U
4,6-DINITRO-O-CRESOL	NA	11 U	11 U	11 U	10 U	10 U	220 U	10 U
2-METHYLPHENOL	18,000	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
3&4-METHYLPHENOL	18,000	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
2-NITROPHENOL	290,000	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
4-NITROPHENOL	NA	28 U	26 U	26 U	25 U	25 U	560 U	26 U
PENTACHLOROPHENOL	NA	28 U	26 U	26 U	25 U	25 U	560 U	26 U
PHENOL	400,000	5.6 U	5.3 U	5.3 U	5 U	0.57 J	110 U	5.2 U
2,3,4,6-TETRACHLOROPHENOL	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
2,4,5-TRICHLOROPHENOL	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
2,4,6-TRICHLOROPHENOL	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
ACENAPHTHENE	3,800	12.8	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
ACENAPHTHYLENE	16,000	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
ACETOPHENONE	3,700	1.1 J	5.3 U	5.3 U	0.88 J	5 U	110 U	5.2 U
ANTHRACENE	66	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
ATRAZINE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
BENZALDEHYDE	NA	28 U	26 U	26 U	25 U	25 U	560 U	26 U
BENZO(A)ANTHRACENE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
BENZO(A)PYRENE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
BENZO(B)FLUORANTHENE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
BENZO(G,H,I)PERYLENE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
BENZO(K)FLUORANTHENE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
4-BROMOPHENYL PHENYL ETHER	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
BUTYL BENZYL PHTHALATE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
1,1'-BIPHENYL	7,200	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
2-CHLORONAPHTHALENE	2,900	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
4-CHLOROANILINE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
CAPROLACTAM	NA	11 U	11 U	11 U	10 U	10 U	220 U	10 U
CARBAZOLE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
CHRYSENE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
BIS(2-CHLOROETHOXY)METHANE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
BIS(2-CHLOROETHYL)ETHER	13	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
BIS(2-CHLOROISOPROPYL)ETHER	30,000	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
4-CHLOROPHENYL PHENYL ETHER	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
2,4-DINITROTOLUENE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
2,6-DINITROTOLUENE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
3,3'-DICHLOROBENZIDINE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
DIBENZO(A,H)ANTHRACENE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
DIBENZOFURAN	NA	1.1 J	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
DI-N-BUTYL PHTHALATE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
DI-N-OCTYL PHTHALATE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
DIETHYL PHTHALATE	NA	5.6 U	5.3 U	1.9 J	5 U	5 U	110 U	5.2 U
DIMETHYL PHTHALATE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
FLUORANTHENE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
FLUORENE	1,900	3.6 J	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
HEXACHLOROBENZENE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
HEXACHLOROBUTADIENE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
HEXACHLOROCYCLOPENTADIENE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
HEXACHLOROETHANE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
INDENO(1,2,3-CD)PYRENE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
ISOPHORONE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
2-METHYLNAPHTHALENE	730	3.3 J	5.3 U	5.3 U	5 U	5 U	763	5.2 U
2-NITROANILINE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
3-NITROANILINE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
4-NITROANILINE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
NAPHTHALENE	30,000	5.1 J	5.3 U	5.3 U	5 U	5 U	2150	5.2 U
NITROBENZENE	18,000	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
N-NITROSO-DI-N-PROPYLAMINE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
N-NITROSODIPHENYLAMINE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
PHENANTHRENE	1,100	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
PYRENE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U
1,2,4,5-TETRACHLOROBENZENE	NA	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U	5.2 U

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December 2013
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Frankford Plant
Philadelphia, Pennsylvania

Client Sample ID: Date Sampled:	PA GW MSC Nonuse Aquifer (µg/L)	MW-109 12/12/2013	MW-110 12/13/2013	MW-111 12/12/2013	MW-112 12/13/2013	MW-113 12/12/2013	MW-115 12/11/2013	MW-116 12/12/2013
VOCs								
ACETONE	37,000	10 U	193 J	10 U	10 U	4.3 J	10 U	10 U
BENZENE	500	1 U	13700	1 U	1 U	0.39 J	1 U	1 U
BROMOCHLOROMETHANE	90	5 U	250 U	5 U	5 U	5 U	5 U	5 U
BROMODICHLOROMETHANE	100	1 U	50 U	1 U	1 U	1 U	1 U	1 U
BROMOFORM	10,000	4 U	200 U	4 U	4 U	4 U	4 U	4 U
BROMOMETHANE	1,000	2 U	100 U	2 U	2 U	2 U	2 U	2 U
2-BUTANONE (MEK)	280,000	10 U	500 U	10 U	10 U	10 U	10 U	10 U
CARBON DISULFIDE	1,900	2 U	100 U	2 U	2 U	2 U	2 U	2 U
CARBON TETRACHLORIDE	50	1 U	50 U	1 U	1 U	1 U	1 U	1 U
CHLOROBENZENE	10,000	1 U	50 U	1 U	1 U	1.6	1 U	1 U
CHLOROETHANE	23,000	1 U	50 U	1 U	1 U	1 U	1 U	1 U
CHLOROFORM	1,000	1.1	50 U	1 U	1 U	1 U	1 U	1 U
CHLOROMETHANE	300	1 U	50 U	1 U	1 U	1 U	1 U	1 U
CYCLOHEXANE	NA	5 U	250 U	5 U	5 U	5 U	5 U	5 U
1,2-DIBROMO-3-CHLOROPROPANE	20	10 U	500 U	10 U	10 U	10 U	10 U	10 U
DIBROMOCHLOROMETHANE	NA	1 U	50 U	1 U	1 U	1 U	1 U	1 U
1,2-DIBROMOETHANE	5	2 U	100 U	2 U	2 U	2 U	2 U	2 U
1,2-DICHLOROBENZENE	60,000	1 U	50 U	1 U	1 U	1 U	1 U	1 U
1,3-DICHLOROBENZENE	60,000	1 U	50 U	1 U	1 U	1 U	1 U	1 U
1,4-DICHLOROBENZENE	7,500	1 U	50 U	1 U	1 U	1 U	1 U	1 U
DICHLORODIFLUOROMETHANE	100,000	5 U	250 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	270	1 U	50 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROETHANE	50	1 U	50 U	1 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHENE	70	1 U	50 U	1 U	1 U	1 U	1 U	1 U
CIS-1,2-DICHLOROETHENE	700	1 U	50 U	1 U	1 U	1 U	1 U	1 U
TRANS-1,2-DICHLOROETHENE	1,000	1 U	50 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROPROPANE	50	1 U	50 U	1 U	1 U	1 U	1 U	1 U
CIS-1,3-DICHLOROPROPENE	660	1 U	50 U	1 U	1 U	1 U	1 U	1 U
TRANS-1,3-DICHLOROPROPENE	660	1 U	50 U	1 U	1 U	1 U	1 U	1 U
1,4-DIOXANE	56	130 U	6300 U	130 U	130 U	130 U	130 U	130 U
ETHYLBENZENE	70,000	1 U	1820	1 U	1 U	1 U	1 U	1 U
FREON 113	170,000	5 U	250 U	5 U	5 U	5 U	5 U	5 U
2-HEXANONE	NA	5 U	250 U	5 U	5 U	5 U	5 U	5 U
ISOPROPYLBENZENE	50,000	0.4 J	7940	0.24 J	2 U	33.5	0.23 J	2 U
METHYL ACETATE	37,000	5 U	250 U	5 U	5 U	5 U	5 U	5 U
METHYLCYCLOHEXANE	NA	5 U	250 U	5 U	5 U	0.96 J	5 U	5 U
METHYL TERT BUTYL ETHER	200	1 U	50 U	1 U	1 U	1 U	1 U	1 U
4-METHYL-2-PENTANONE(MIBK)	19,000	5 U	250 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	500	2 U	100 U	2 U	2 U	2 U	2 U	2 U
STYRENE	10,000	5 U	250 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	30	1 U	50 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	50	1 U	50 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	100,000	1 U	6860	1 U	1 U	1 U	1 U	1 U
1,2,3-TRICHLOROBENZENE	NA	5 U	250 U	5 U	5 U	5 U	5 U	5 U
1,2,4-TRICHLOROBENZENE	44,000	5 U	250 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	2,000	1 U	50 U	1 U	1 U	1 U	1 U	1 U
1,1,2-TRICHLOROETHANE	50	1 U	50 U	1 U	1 U	1 U	1 U	1 U
TRICHLOROETHENE	50	1 U	50 U	1 U	1 U	1 U	1 U	1 U
TRICHLOROFLUOROMETHANE	200,000	5 U	250 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	20	1 U	50 U	1 U	1 U	1 U	1 U	1 U
M,P-XYLENE	NA	1 U	4900	1 U	1 U	1.1	1 U	1 U
O-XYLENE	NA	1 U	2120	1 U	1 U	0.47 J	1 U	1 U
XYLENE (TOTAL)	180,000	1 U	7020	1 U	1 U	1.5	1 U	1 U

Prepared By: US 2/12/2014
Reviewed By: CP 2/12/2014

Table 4. Summary of Groundwater Analytical Results
December 2013
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

Client Sample ID: Date Sampled:	PA GW MSC Nonuse Aquifer (µg/L)	MW-109 12/12/2013	MW-110 12/13/2013	MW-111 12/12/2013	MW-112 12/13/2013	MW-113 12/12/2013	MW-115 12/11/2013	MW-116 12/12/2013
SVOCs								
2-CHLOROPHENOL	40	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
4-CHLORO-3-METHYL PHENOL	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
2,4-DICHLOROPHENOL	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
2,4-DIMETHYLPHENOL	NA	5.6 U	1590	5.3 U	5.9 U	5 U	5.1 U	5 U
2,4-DINITROPHENOL	NA	28 U	110 U	26 U	29 U	25 U	26 U	25 U
4,6-DINITRO-O-CRESOL	NA	11 U	44 U	11 U	12 U	10 U	10 U	10 U
2-METHYLPHENOL	18,000	5.6 U	88.9	5.3 U	5.9 U	5 U	5.1 U	5 U
3&4-METHYLPHENOL	18,000	5.6 U	364	5.3 U	5.9 U	5 U	5.1 U	5 U
2-NITROPHENOL	290,000	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
4-NITROPHENOL	NA	28 U	110 U	26 U	29 U	25 U	26 U	25 U
PENTACHLOROPHENOL	NA	28 U	110 U	26 U	29 U	25 U	26 U	25 U
PHENOL	400,000	5.6 U	42.8	5.3 U	5.9 U	5 U	5.1 U	5 U
2,3,4,6-TETRACHLOROPHENOL	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
2,4,5-TRICHLOROPHENOL	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
2,4,6-TRICHLOROPHENOL	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
ACENAPHTHENE	3,800	5.6 U	55.6	5.3 U	5.9 U	28.1	5.1 U	5 U
ACENAPHTHYLENE	16,000	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
ACETOPHENONE	3,700	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
ANTHRACENE	66	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
ATRAZINE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
BENZALDEHYDE	NA	28 U	110 U	26 U	29 U	25 U	26 U	25 U
BENZO(A)ANTHRACENE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
BENZO(A)PYRENE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
BENZO(B)FLUORANTHENE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
BENZO(G,H,I)PERYLENE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
BENZO(K)FLUORANTHENE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
4-BROMOPHENYL PHENYL ETHER	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
BUTYL BENZYL PHTHALATE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
1,1'-BIPHENYL	7,200	5.6 U	7.9 J	5.3 U	5.9 U	5 U	5.1 U	5 U
2-CHLORONAPHTHALENE	2,900	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
4-CHLOROANILINE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
CAPROLACTAM	NA	11 U	44 U	11 U	12 U	10 U	10 U	10 U
CARBAZOLE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
CHRYSENE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
BIS(2-CHLOROETHOXY)METHANE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
BIS(2-CHLOROETHYL)ETHER	13	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
BIS(2-CHLOROISOPROPYL)ETHER	30,000	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
4-CHLOROPHENYL PHENYL ETHER	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
2,4-DINITROTOLUENE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
2,6-DINITROTOLUENE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
3,3'-DICHLOROBENZIDINE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
DIBENZO(A,H)ANTHRACENE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
DIBENZOFURAN	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
DI-N-BUTYL PHTHALATE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
DI-N-OCTYL PHTHALATE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
DIETHYL PHTHALATE	NA	5.6 U	22 U	1.9 J	5.9 U	5 U	5.1 U	5 U
DIMETHYL PHTHALATE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
FLUORANTHENE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
FLUORENE	1,900	5.6 U	10.7 J	5.3 U	5.9 U	4 J	5.1 U	5 U
HEXACHLOROBENZENE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
HEXACHLOROBUTADIENE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
HEXACHLOROCYCLOPENTADIENE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
HEXACHLOROETHANE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
INDENO(1,2,3-CD)PYRENE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
ISOPHORONE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
2-METHYLNAPHTHALENE	730	5.6 U	21 J	5.3 U	2.6 J	5 U	5.1 U	5 U
2-NITROANILINE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
3-NITROANILINE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
4-NITROANILINE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
NAPHTHALENE	30,000	5.6 U	748	5.3 U	2.7 J	5 U	5.1 U	5 U
NITROBENZENE	18,000	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
N-NITROSO-DI-N-PROPYLAMINE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
N-NITROSODIPHENYLAMINE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
PHENANTHRENE	1,100	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
PYRENE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U
1,2,4,5-TETRACHLOROBENZENE	NA	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U

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Reviewed By: CP 2/12/2014

Table 4. Summary of Groundwater Analytical Results
December 2013
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

Client Sample ID: Date Sampled:	PA GW MSC Nonuse Aquifer (µg/L)	MW-118 12/12/2013	MW-118DUP 12/12/2013	MW-119 12/12/2013	MW-121 12/13/2013	MW-122 12/13/2013	MW-123 12/11/2013	MW-201 12/12/2013
VOCs								
ACETONE	37,000	100 U	100 U	50 U	10 U	100 U	10 U	195 J
BENZENE	500	2980	2500	241	1 U	28.9	1 U	2220
BROMOCHLOROMETHANE	90	50 U	50 U	25 U	5 U	50 U	5 U	100 U
BROMODICHLOROMETHANE	100	10 U	10 U	5 U	1 U	10 U	1 U	20 U
BROMOFORM	10,000	40 U	40 U	20 U	4 U	40 U	4 U	80 U
BROMOMETHANE	1,000	20 U	20 U	10 U	2 U	20 U	2 U	40 U
2-BUTANONE (MEK)	280,000	100 U	100 U	50 U	10 U	100 U	10 U	200 U
CARBON DISULFIDE	1,900	20 U	20 U	10 U	2 U	20 U	2 U	40 U
CARBON TETRACHLORIDE	50	10 U	10 U	5 U	1 U	10 U	1 U	20 U
CHLOROBENZENE	10,000	10 U	10 U	5 U	1 U	10 U	1 U	20 U
CHLOROETHANE	23,000	10 U	10 U	5 U	1 U	10 U	1 U	20 U
CHLOROFORM	1,000	10 U	10 U	5 U	1 U	10 U	1 U	20 U
CHLOROMETHANE	300	10 U	10 U	5 U	1 U	10 U	1 U	20 U
CYCLOHEXANE	NA	50 U	50 U	25 U	5 U	50 U	5 U	100 U
1,2-DIBROMO-3-CHLOROPROPANE	20	100 U	100 U	50 U	10 U	100 U	10 U	200 U
DIBROMOCHLOROMETHANE	NA	10 U	10 U	5 U	1 U	10 U	1 U	20 U
1,2-DIBROMOETHANE	5	20 U	20 U	10 U	2 U	20 U	2 U	40 U
1,2-DICHLOROBENZENE	60,000	10 U	10 U	5 U	1 U	10 U	1 U	20 U
1,3-DICHLOROBENZENE	60,000	10 U	10 U	5 U	1 U	10 U	1 U	20 U
1,4-DICHLOROBENZENE	7,500	10 U	10 U	5 U	1 U	10 U	1 U	20 U
DICHLORODIFLUOROMETHANE	100,000	50 U	50 U	25 U	5 U	50 U	5 U	100 U
1,1-DICHLOROETHANE	270	10 U	10 U	5 U	1 U	10 U	1 U	20 U
1,2-DICHLOROETHANE	50	10 U	10 U	5 U	1 U	10 U	1 U	20 U
1,1-DICHLOROETHENE	70	10 U	10 U	5 U	1 U	10 U	1 U	20 U
CIS-1,2-DICHLOROETHENE	700	10 U	10 U	5 U	1 U	10 U	1 U	20 U
TRANS-1,2-DICHLOROETHENE	1,000	10 U	10 U	5 U	1 U	10 U	1 U	20 U
1,2-DICHLOROPROPANE	50	10 U	10 U	5 U	1 U	10 U	1 U	20 U
CIS-1,3-DICHLOROPROPENE	660	10 U	10 U	5 U	1 U	10 U	1 U	20 U
TRANS-1,3-DICHLOROPROPENE	660	10 U	10 U	5 U	1 U	10 U	1 U	20 U
1,4-DIOXANE	56	1300 U	1300 U	630 U	130 U	1300 U	130 U	2500 U
ETHYLBENZENE	70,000	150	126	331	1 U	72.8	1 U	1350
FREON 113	170,000	50 U	50 U	25 U	5 U	50 U	5 U	100 U
2-HEXANONE	NA	50 U	50 U	25 U	5 U	50 U	5 U	100 U
ISOPROPYLBENZENE	50,000	5740	4970	32.9	2 U	14.4 J	2 U	525
METHYL ACETATE	37,000	50 U	50 U	25 U	5 U	50 U	5 U	100 U
METHYLCYCLOHEXANE	NA	50 U	50 U	3.5 J	5 U	50 U	5 U	100 U
METHYL TERT BUTYL ETHER	200	10 U	10 U	5 U	1 U	10 U	1 U	20 U
4-METHYL-2-PENTANONE(MIBK)	19,000	50 U	50 U	25 U	5 U	50 U	5 U	100 U
METHYLENE CHLORIDE	500	20 U	20 U	10 U	2 U	20 U	2 U	40 U
STYRENE	10,000	50 U	50 U	25 U	5 U	50 U	5 U	438
1,1,2,2-TETRACHLOROETHANE	30	10 U	10 U	5 U	1 U	10 U	1 U	20 U
TETRACHLOROETHENE	50	10 U	10 U	5 U	1 U	10 U	1 U	20 U
TOLUENE	100,000	13.1	11.5	462	1 U	48.5	1 U	3830
1,2,3-TRICHLOROBENZENE	NA	50 U	50 U	25 U	5 U	50 U	5 U	100 U
1,2,4-TRICHLOROBENZENE	44,000	50 U	50 U	25 U	5 U	50 U	5 U	100 U
1,1,1-TRICHLOROETHANE	2,000	10 U	10 U	5 U	1 U	10 U	1 U	20 U
1,1,2-TRICHLOROETHANE	50	10 U	10 U	5 U	1 U	10 U	1 U	20 U
TRICHLOROETHENE	50	10 U	10 U	5 U	1 U	10 U	1 U	20 U
TRICHLOROFLUOROMETHANE	200,000	50 U	50 U	25 U	5 U	50 U	5 U	100 U
VINYL CHLORIDE	20	10 U	10 U	5 U	1 U	10 U	1 U	20 U
M,P-XYLENE	NA	1930	1730	922	1 U	136	1 U	4320
O-XYLENE	NA	20.8	18.9	311	1 U	86.5	1 U	2210
XYLENE (TOTAL)	180,000	1950	1750	1230	1 U	223	1 U	6530

Prepared By: US 2/12/2014
Reviewed By: CP 2/12/2014

Table 4. Summary of Groundwater Analytical Results
December 2013
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

Client Sample ID:	PA GW MSC Nonuse Aquifer (µg/L)	MW-118	MW-118DUP	MW-119	MW-121	MW-122	MW-123	MW-201
Date Sampled:		12/12/2013	12/12/2013	12/12/2013	12/13/2013	12/13/2013	12/11/2013	12/12/2013
SVOCs								
2-CHLOROPHENOL	40	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
4-CHLORO-3-METHYL PHENOL	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
2,4-DICHLOROPHENOL	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
2,4-DIMETHYLPHENOL	NA	9.7	8.8	336	6.3 U	194 J	5.3 U	2810
2,4-DINITROPHENOL	NA	26 U	25 U	100 U	31 U	1400 U	26 U	1500 U
4,6-DINITRO-O-CRESOL	NA	10 U	10 U	42 U	13 U	560 U	11 U	590 U
2-METHYLPHENOL	18,000	5.2 U	5.1 U	22.3	6.3 U	280 U	5.3 U	1620
3&4-METHYLPHENOL	18,000	5.2 U	5.1 U	20.1 J	6.3 U	280 U	5.3 U	2170
2-NITROPHENOL	290,000	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
4-NITROPHENOL	NA	26 U	25 U	100 U	31 U	1400 U	26 U	1500 U
PENTACHLOROPHENOL	NA	26 U	25 U	100 U	31 U	1400 U	26 U	1500 U
PHENOL	400,000	77.5	66.9	16 J	6.3 U	280 U	5.3 U	3870
2,3,4,6-TETRACHLOROPHENOL	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
2,4,5-TRICHLOROPHENOL	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
2,4,6-TRICHLOROPHENOL	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
ACENAPHTHENE	3,800	29.2	28.7	39.5	6.3 U	96 J	5.3 U	382
ACENAPHTHYLENE	16,000	5.2 U	5.1 U	6.5 J	6.3 U	280 U	5.3 U	290 U
ACETOPHENONE	3,700	16.3	16.4	8.3 J	6.3 U	280 U	5.3 U	1500
ANTHRACENE	66	0.75 J	0.76 J	11.6 J	6.3 U	280 U	5.3 U	290 U
ATRAZINE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
BENZALDEHYDE	NA	26 U	25 U	100 U	31 U	1400 U	26 U	1500 U
BENZO(A)ANTHRACENE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
BENZO(A)PYRENE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
BENZO(B)FLUORANTHENE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
BENZO(G,H,I)PERYLENE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
BENZO(K)FLUORANTHENE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
4-BROMOPHENYL PHENYL ETHER	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
BUTYL BENZYL PHTHALATE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
1,1'-BIPHENYL	7,200	23.4	23.8	31.5	6.3 U	65.5 J	5.3 U	229 J
2-CHLORONAPHTHALENE	2,900	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
4-CHLOROANILINE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
CAPROLACTAM	NA	10 U	10 U	42 U	13 U	560 U	11 U	590 U
CARBAZOLE	NA	3.2 J	3.5 J	35.6	6.3 U	35 J	5.3 U	290 U
CHRYSENE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
BIS(2-CHLOROETHOXY)METHANE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
BIS(2-CHLOROETHYL)ETHER	13	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
BIS(2-CHLOROISOPROPYL)ETHER	30,000	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
4-CHLOROPHENYL PHENYL ETHER	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
2,4-DINITROTOLUENE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
2,6-DINITROTOLUENE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
3,3'-DICHLOROBENZIDINE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
DIBENZO(A,H)ANTHRACENE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
DIBENZOFURAN	NA	22.3	21.9	42.3	6.3 U	91.2 J	5.3 U	326
DI-N-BUTYL PHTHALATE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
DI-N-OCTYL PHTHALATE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
DIETHYL PHTHALATE	NA	2 J	1.8 J	21 U	6.3 U	280 U	5.3 U	290 U
DIMETHYL PHTHALATE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
BIS(2-ETHYLHEXYL)PHTHALATE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
FLUORANTHENE	NA	5.2 U	5.1 U	6.3 J	6.3 U	280 U	5.3 U	49.9 J
FLUORENE	1,900	14.6	15.7	36	6.3 U	53.3 J	5.3 U	155 J
HEXACHLOROBENZENE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
HEXACHLOROBUTADIENE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
HEXACHLOROCYCLOPENTADIENE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
HEXACHLOROETHANE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
INDENO(1,2,3-CD)PYRENE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
ISOPHORONE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
2-METHYLNAPHTHALENE	730	56.4	60.5	252	5.2 J	2270	5.3 U	1610
2-NITROANILINE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
3-NITROANILINE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
4-NITROANILINE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
NAPHTHALENE	30,000	455	445	4010	55.9	10300	5.3 U	6070
NITROBENZENE	18,000	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
N-NITROSO-DI-N-PROPYLAMINE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
N-NITROSODIPHENYLAMINE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
PHENANTHRENE	1,100	3.7 J	3.9 J	30.3	6.3 U	280 U	5.3 U	134 J
PYRENE	NA	5.2 U	5.1 U	4.9 J	6.3 U	280 U	5.3 U	290 U
1,2,4,5-TETRACHLOROBENZENE	NA	5.2 U	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U

Prepared By: US 2/12/2014
Reviewed By: CP 2/12/2014

Table 4. Summary of Groundwater Analytical Results
December 2013
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

Notes:
All sample results are in µg/L.
Bolded and Underlined results exceed the PA GW MSC Residential Nonuse Aquifer
Empty cells indicate that the sample was not analyzed for the indicated parameter.
NA - No standards/criteria available
U - Indicates that the target compound was not detected at concentrations greater than the quantitation limit.
J - Indicates that the reported concentration is a quantitative estimate.

Prepared By: US 2/12/2014
Reviewed By: CP 2/12/2014

Table 5. Vapor Intrusion Evaluation - December 2013
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

Client Sample ID: / Date Sampled:	USEPA-PA Default Nonresidential PELs Volatilization to Indoor Air Screen (µg/L)	PA Dafault Residential Volatilization to Indoor Air Screen (µg/L)	MW-101 12/12/2013	MW-102 12/11/2013	MW-104 12/12/2013	MW-105 12/11/2013	MW-106 12/11/2013	MW-107 12/12/2013
VOCs								
ACETONE	NOC	NOC	10 U	10 U	10 U	10 U	10 U	689
BENZENE	NOC	3,500	0.33 J	1 U	1 U	1 U	1 U	16.6
BROMOCHLOROMETHANE	NOC	84,000	5 U	5 U	5 U	5 U	5 U	5 U
BROMODICHLOROMETHANE	NOC	1,600	1 U	1 U	1 U	1 U	1 U	1 U
BROMOFORM	NOC	180,000	4 U	4 U	4 U	4 U	4 U	4 U
BROMOMETHANE	NOC	4,500	2 U	2 U	2 U	2 U	2 U	2 U
2-BUTANONE (MEK)	NOC	49,000,000	10 U	10 U	10 U	10 U	10 U	10 U
CARBON DISULFIDE	NOC	550,000	2 U	2 U	2 U	2 U	2 U	2 U
CARBON TETRACHLORIDE	NOC	1,400	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROBENZENE	NOC	27,000	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROETHANE	NOC	22,000	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROFORM	NOC	410	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROMETHANE	NOC	17,000	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DIBROMO-3-CHLOROPROPANE	200,000	4,300	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DIBROMOETHANE	NOC	620	2 U	2 U	2 U	2 U	2 U	2 U
1,2-DICHLOROBENZENE	NOC	NOC	1 U	1 U	1 U	1 U	1 U	1 U
1,4-DICHLOROBENZENE	NOC	8,100	1 U	1 U	1 U	1 U	1 U	1 U
DICHLORODIFLUOROMETHANE	NOC	110,000	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	NOC	160,000	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROETHANE	NOC	2,800	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHENE	NOC	160,000	1 U	1 U	1 U	1 U	1 U	1 U
CIS-1,2-DICHLOROETHENE	NOC	42,000	1 U	1 U	1 U	1 U	1 U	1 U
TRANS-1,2-DICHLOROETHENE	NOC	59,000	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROPROPANE	NOC	3,900	1 U	1 U	1 U	1 U	1 U	1 U
CIS-1,3-DICHLOROPROPENE	NOC	5,100	1 U	1 U	1 U	1 U	1 U	1 U
TRANS-1,3-DICHLOROPROPENE	NOC	5,100	1 U	1 U	1 U	1 U	1 U	1 U
1,4-DIOXANE	NOC	1,500,000	130 U	130 U	130 U	130 U	130 U	130 U
ETHYLBENZENE	NOC	27,000	0.26 J	1 U	1 U	1 U	1 U	28.4
FREON 113	NOC	NOC	5 U	5 U	5 U	5 U	5 U	5 U
ISOPROPYLBENZENE	NOC	NOC	1.2 J	2 U	2 U	0.75 J	123	3.4
METHYL ACETATE	NOC	68,000,000	5 U	5 U	5 U	5 U	5 U	5 U
METHYL TERT BUTYL ETHER	NOC	380,000	1 U	1 U	1 U	1 U	1 U	1 U
4-METHYL-2-PENTANONE(MIBK)	NOC	540,000	5 U	5 U	5 U	5 U	5 U	5 U
METHYLENE CHLORIDE	NOC	77,000	2 U	2 U	2 U	2 U	2 U	2 U
STYRENE	NOC	NOC	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	NOC	3,700	1 U	1 U	1 U	1 U	1 U	1 U
TETRACHLOROETHENE	NOC	42,000	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	NOC	490,000	0.62 J	1 U	1 U	1 U	1 U	12.6
1,2,4-TRICHLOROBENZENE	NOC	NOC	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	NOC	NOC	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-TRICHLOROETHANE	NOC	5,400	1 U	1 U	1 U	1 U	1 U	1 U
TRICHLOROETHENE	NOC	14,000	1 U	1 U	1 U	1 U	1 U	1 U
TRICHLOROFLUOROMETHANE	NOC	520,000	5 U	5 U	5 U	5 U	5 U	5 U
VINYL CHLORIDE	1,600,000	1,800	1 U	1 U	1 U	1 U	1 U	1 U
XYLENE (TOTAL)	NOC	130,000	1.5	1 U	1 U	1 U	1 U	81

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Reviewed By: CP 2/17/2014

Table 5. Vapor Intrusion Evaluation - December 2013
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

Client Sample ID: Date Sampled:	USEPA-PA Default Nonresidential PELs Volatilization to Indoor Air Screen (µg/L)	PA Dafault Residential Volatilization to Indoor Air Screen (µg/L)	MW-101 12/12/2013	MW-102 12/11/2013	MW-104 12/12/2013	MW-105 12/11/2013	MW-106 12/11/2013	MW-107 12/12/2013
SVOCs								
2-CHLOROPHENOL	NOC	160,000	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U
2-METHYLPHENOL	NOC	NOC	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U
3&4-METHYLPHENOL	NOC	NOC	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U
2-NITROPHENOL	NOC	NOC	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U
PHENOL	NOC	NOC	5.6 U	5.3 U	5.3 U	5 U	0.57 J	110 U
ACENAPHTHENE	NOC	NOC	12.8	5.3 U	5.3 U	5 U	5 U	110 U
ACENAPHTHYLENE	NOC	NOC	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U
ACETOPHENONE	NOC	NOC	1.1 J	5.3 U	5.3 U	0.88 J	5 U	110 U
ANTHRACENE	NOC	NOC	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U
1,1'-BIPHENYL	NOC	NOC	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U
2-CHLORONAPHTHALENE	NOC	NOC	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U
BIS(2-CHLOROETHYL)ETHER	NOC	13,000	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U
BIS(2-CHLOROISOPROPYL)ETHER	NOC	55,000	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U
FLUORENE	NOC	NOC	3.6 J	5.3 U	5.3 U	5 U	5 U	110 U
2-METHYLNAPHTHALENE	NOC	NOC	3.3 J	5.3 U	5.3 U	5 U	5 U	763
NAPHTHALENE	NOC	25,000	5.1 J	5.3 U	5.3 U	5 U	5 U	2150
NITROBENZENE	NOC	290,000	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U
PHENANTHRENE	NOC	NOC	5.6 U	5.3 U	5.3 U	5 U	5 U	110 U

Prepared By: US 2/12/2014
Reviewed By: CP 2/17/2014

Table 5. Vapor Intrusion Evaluation - December 2013
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

Client Sample ID:	USEPA-PA Default Nonresidential PELs Volatilization to Indoor Air Screen (µg/L)	PA Dafault Residential Volatilization to Indoor Air Screen (µg/L)	MW-108	MW-109	MW-110	MW-111	MW-112	MW-113	MW-115	MW-116	MW-118
Date Sampled:			12/11/2013	12/12/2013	12/13/2013	12/12/2013	12/13/2013	12/12/2013	12/11/2013	12/12/2013	12/12/2013
VOCs											
ACETONE	NOC	NOC	10 U	10 U	193 J	10 U	10 U	4.3 J	10 U	10 U	100 U
BENZENE	NOC	3,500	1 U	1 U	13700	1 U	1 U	0.39 J	1 U	1 U	2980
BROMOCHLOROMETHANE	NOC	84,000	5 U	5 U	250 U	5 U	5 U	5 U	5 U	5 U	50 U
BROMODICHLOROMETHANE	NOC	1,600	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
BROMOFORM	NOC	180,000	4 U	4 U	200 U	4 U	4 U	4 U	4 U	4 U	40 U
BROMOMETHANE	NOC	4,500	2 U	2 U	100 U	2 U	2 U	2 U	2 U	2 U	20 U
2-BUTANONE (MEK)	NOC	49,000,000	10 U	10 U	500 U	10 U	10 U	10 U	10 U	10 U	100 U
CARBON DISULFIDE	NOC	550,000	2 U	2 U	100 U	2 U	2 U	2 U	2 U	2 U	20 U
CARBON TETRACHLORIDE	NOC	1,400	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
CHLOROBENZENE	NOC	27,000	1 U	1 U	50 U	1 U	1 U	1.6	1 U	1 U	10 U
CHLOROETHANE	NOC	22,000	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
CHLOROFORM	NOC	410	18.1	1.1	50 U	1 U	1 U	1 U	1 U	1 U	10 U
CHLOROMETHANE	NOC	17,000	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
1,2-DIBROMO-3-CHLOROPROPANE	200,000	4,300	10 U	10 U	500 U	10 U	10 U	10 U	10 U	10 U	100 U
1,2-DIBROMOETHANE	NOC	620	2 U	2 U	100 U	2 U	2 U	2 U	2 U	2 U	20 U
1,2-DICHLOROBENZENE	NOC	NOC	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
1,4-DICHLOROBENZENE	NOC	8,100	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
DICHLORODIFLUOROMETHANE	NOC	110,000	5 U	5 U	250 U	5 U	5 U	5 U	5 U	5 U	50 U
1,1-DICHLOROETHANE	NOC	160,000	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
1,2-DICHLOROETHANE	NOC	2,800	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
1,1-DICHLOROETHENE	NOC	160,000	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
CIS-1,2-DICHLOROETHENE	NOC	42,000	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
TRANS-1,2-DICHLOROETHENE	NOC	59,000	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
1,2-DICHLOROPROPANE	NOC	3,900	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
CIS-1,3-DICHLOROPROPENE	NOC	5,100	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
TRANS-1,3-DICHLOROPROPENE	NOC	5,100	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
1,4-DIOXANE	NOC	1,500,000	130 U	130 U	6300 U	130 U	130 U	130 U	130 U	130 U	1300 U
ETHYLBENZENE	NOC	27,000	1 U	1 U	1820	1 U	1 U	1 U	1 U	1 U	150
FREON 113	NOC	NOC	5 U	5 U	250 U	5 U	5 U	5 U	5 U	5 U	50 U
ISOPROPYLBENZENE	NOC	NOC	2 U	0.4 J	7940	0.24 J	2 U	33.5	0.23 J	2 U	5740
METHYL ACETATE	NOC	68,000,000	5 U	5 U	250 U	5 U	5 U	5 U	5 U	5 U	50 U
METHYL TERT BUTYL ETHER	NOC	380,000	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
4-METHYL-2-PENTANONE(MIBK)	NOC	540,000	5 U	5 U	250 U	5 U	5 U	5 U	5 U	5 U	50 U
METHYLENE CHLORIDE	NOC	77,000	2 U	2 U	100 U	2 U	2 U	2 U	2 U	2 U	20 U
STYRENE	NOC	NOC	5 U	5 U	250 U	5 U	5 U	5 U	5 U	5 U	50 U
1,1,2,2-TETRACHLOROETHANE	NOC	3,700	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
TETRACHLOROETHENE	NOC	42,000	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
TOLUENE	NOC	490,000	1 U	1 U	6860	1 U	1 U	1 U	1 U	1 U	13.1
1,2,4-TRICHLOROBENZENE	NOC	NOC	5 U	5 U	250 U	5 U	5 U	5 U	5 U	5 U	50 U
1,1,1-TRICHLOROETHANE	NOC	NOC	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
1,1,2-TRICHLOROETHANE	NOC	5,400	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
TRICHLOROETHENE	NOC	14,000	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
TRICHLOROFLUOROMETHANE	NOC	520,000	5 U	5 U	250 U	5 U	5 U	5 U	5 U	5 U	50 U
VINYL CHLORIDE	1,600,000	1,800	1 U	1 U	50 U	1 U	1 U	1 U	1 U	1 U	10 U
XYLENE (TOTAL)	NOC	130,000	1 U	1 U	7020	1 U	1 U	1.5	1 U	1 U	1950

Prepared By: US 2/12/2014
Reviewed By: CP 2/17/2014

Table 5. Vapor Intrusion Evaluation - December 2013
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

Client Sample ID: Date Sampled:	USEPA-PA Default Nonresidential PELs Volatilization to Indoor Air Screen (µg/L)	PA Dafault Residential Volatilization to Indoor Air Screen (µg/L)	MW-108 12/11/2013	MW-109 12/12/2013	MW-110 12/13/2013	MW-111 12/12/2013	MW-112 12/13/2013	MW-113 12/12/2013	MW-115 12/11/2013	MW-116 12/12/2013	MW-118 12/12/2013
SVOCs											
2-CHLOROPHENOL	NOC	160,000	5.2 U	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U	5.2 U
2-METHYLPHENOL	NOC	NOC	5.2 U	5.6 U	88.9	5.3 U	5.9 U	5 U	5.1 U	5 U	5.2 U
3&4-METHYLPHENOL	NOC	NOC	5.2 U	5.6 U	364	5.3 U	5.9 U	5 U	5.1 U	5 U	5.2 U
2-NITROPHENOL	NOC	NOC	5.2 U	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U	5.2 U
PHENOL	NOC	NOC	5.2 U	5.6 U	42.8	5.3 U	5.9 U	5 U	5.1 U	5 U	77.5
ACENAPHTHENE	NOC	NOC	5.2 U	5.6 U	55.6	5.3 U	5.9 U	28.1	5.1 U	5 U	29.2
ACENAPHTHYLENE	NOC	NOC	5.2 U	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U	5.2 U
ACETOPHENONE	NOC	NOC	5.2 U	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U	16.3
ANTHRACENE	NOC	NOC	5.2 U	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U	0.75 J
1,1'-BIPHENYL	NOC	NOC	5.2 U	5.6 U	7.9 J	5.3 U	5.9 U	5 U	5.1 U	5 U	23.4
2-CHLORONAPHTHALENE	NOC	NOC	5.2 U	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U	5.2 U
BIS(2-CHLOROETHYL)ETHER	NOC	13,000	5.2 U	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U	5.2 U
BIS(2-CHLOROISOPROPYL)ETHER	NOC	55,000	5.2 U	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U	5.2 U
FLUORENE	NOC	NOC	5.2 U	5.6 U	10.7 J	5.3 U	5.9 U	4 J	5.1 U	5 U	14.6
2-METHYLNAPHTHALENE	NOC	NOC	5.2 U	5.6 U	21 J	5.3 U	2.6 J	5 U	5.1 U	5 U	56.4
NAPHTHALENE	NOC	25,000	5.2 U	5.6 U	748	5.3 U	2.7 J	5 U	5.1 U	5 U	455
NITROBENZENE	NOC	290,000	5.2 U	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U	5.2 U
PHENANTHRENE	NOC	NOC	5.2 U	5.6 U	22 U	5.3 U	5.9 U	5 U	5.1 U	5 U	3.7 J

Prepared By: US 2/12/2014
Reviewed By: CP 2/17/2014

Table 5. Vapor Intrusion Evaluation - December 2013
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

Client Sample ID: Date Sampled:	USEPA-PA Default Nonresidential PELs Volatilization to Indoor Air Screen (µg/L)	PA Dafault Residential Volatilization to Indoor Air Screen (µg/L)	MW-118DUP 12/12/2013	MW-119 12/12/2013	MW-121 12/13/2013	MW-122 12/13/2013	MW-123 12/11/2013	MW-201 12/12/2013
VOCs								
ACETONE	NOC	NOC	100 U	50 U	10 U	100 U	10 U	195 J
BENZENE	NOC	3,500	2500	241	1 U	28.9	1 U	2220
BROMOCHLOROMETHANE	NOC	84,000	50 U	25 U	5 U	50 U	5 U	100 U
BROMODICHLOROMETHANE	NOC	1,600	10 U	5 U	1 U	10 U	1 U	20 U
BROMOFORM	NOC	180,000	40 U	20 U	4 U	40 U	4 U	80 U
BROMOMETHANE	NOC	4,500	20 U	10 U	2 U	20 U	2 U	40 U
2-BUTANONE (MEK)	NOC	49,000,000	100 U	50 U	10 U	100 U	10 U	200 U
CARBON DISULFIDE	NOC	550,000	20 U	10 U	2 U	20 U	2 U	40 U
CARBON TETRACHLORIDE	NOC	1,400	10 U	5 U	1 U	10 U	1 U	20 U
CHLOROBENZENE	NOC	27,000	10 U	5 U	1 U	10 U	1 U	20 U
CHLOROETHANE	NOC	22,000	10 U	5 U	1 U	10 U	1 U	20 U
CHLOROFORM	NOC	410	10 U	5 U	1 U	10 U	1 U	20 U
CHLOROMETHANE	NOC	17,000	10 U	5 U	1 U	10 U	1 U	20 U
1,2-DIBROMO-3-CHLOROPROPANE	200,000	4,300	100 U	50 U	10 U	100 U	10 U	200 U
1,2-DIBROMOETHANE	NOC	620	20 U	10 U	2 U	20 U	2 U	40 U
1,2-DICHLOROBENZENE	NOC	NOC	10 U	5 U	1 U	10 U	1 U	20 U
1,4-DICHLOROBENZENE	NOC	8,100	10 U	5 U	1 U	10 U	1 U	20 U
DICHLORODIFLUOROMETHANE	NOC	110,000	50 U	25 U	5 U	50 U	5 U	100 U
1,1-DICHLOROETHANE	NOC	160,000	10 U	5 U	1 U	10 U	1 U	20 U
1,2-DICHLOROETHANE	NOC	2,800	10 U	5 U	1 U	10 U	1 U	20 U
1,1-DICHLOROETHENE	NOC	160,000	10 U	5 U	1 U	10 U	1 U	20 U
CIS-1,2-DICHLOROETHENE	NOC	42,000	10 U	5 U	1 U	10 U	1 U	20 U
TRANS-1,2-DICHLOROETHENE	NOC	59,000	10 U	5 U	1 U	10 U	1 U	20 U
1,2-DICHLOROPROPANE	NOC	3,900	10 U	5 U	1 U	10 U	1 U	20 U
CIS-1,3-DICHLOROPROPENE	NOC	5,100	10 U	5 U	1 U	10 U	1 U	20 U
TRANS-1,3-DICHLOROPROPENE	NOC	5,100	10 U	5 U	1 U	10 U	1 U	20 U
1,4-DIOXANE	NOC	1,500,000	1300 U	630 U	130 U	1300 U	130 U	2500 U
ETHYLBENZENE	NOC	27,000	126	331	1 U	72.8	1 U	1350
FREON 113	NOC	NOC	50 U	25 U	5 U	50 U	5 U	100 U
ISOPROPYLBENZENE	NOC	NOC	4970	32.9	2 U	14.4 J	2 U	525
METHYL ACETATE	NOC	68,000,000	50 U	25 U	5 U	50 U	5 U	100 U
METHYL TERT BUTYL ETHER	NOC	380,000	10 U	5 U	1 U	10 U	1 U	20 U
4-METHYL-2-PENTANONE(MIBK)	NOC	540,000	50 U	25 U	5 U	50 U	5 U	100 U
METHYLENE CHLORIDE	NOC	77,000	20 U	10 U	2 U	20 U	2 U	40 U
STYRENE	NOC	NOC	50 U	25 U	5 U	50 U	5 U	438
1,1,2,2-TETRACHLOROETHANE	NOC	3,700	10 U	5 U	1 U	10 U	1 U	20 U
TETRACHLOROETHENE	NOC	42,000	10 U	5 U	1 U	10 U	1 U	20 U
TOLUENE	NOC	490,000	11.5	462	1 U	48.5	1 U	3830
1,2,4-TRICHLOROBENZENE	NOC	NOC	50 U	25 U	5 U	50 U	5 U	100 U
1,1,1-TRICHLOROETHANE	NOC	NOC	10 U	5 U	1 U	10 U	1 U	20 U
1,1,2-TRICHLOROETHANE	NOC	5,400	10 U	5 U	1 U	10 U	1 U	20 U
TRICHLOROETHENE	NOC	14,000	10 U	5 U	1 U	10 U	1 U	20 U
TRICHLOROFLUOROMETHANE	NOC	520,000	50 U	25 U	5 U	50 U	5 U	100 U
VINYL CHLORIDE	1,600,000	1,800	10 U	5 U	1 U	10 U	1 U	20 U
XYLENE (TOTAL)	NOC	130,000	1750	1230	1 U	223	1 U	6530

Prepared By: US 2/12/2014
Reviewed By: CP 2/17/2014

Table 5. Vapor Intrusion Evaluation - December 2013
Honeywell Resins and Chemicals
Frankford Plant
Philadelphia, Pennsylvania

Client Sample ID: Date Sampled:	USEPA-PA Default Nonresidential PELs Volatilization to Indoor Air Screen (µg/L)	PA Dafault Residential Volatilization to Indoor Air Screen (µg/L)	MW-118DUP 12/12/2013	MW-119 12/12/2013	MW-121 12/13/2013	MW-122 12/13/2013	MW-123 12/11/2013	MW-201 12/12/2013
SVOCs								
2-CHLOROPHENOL	NOC	160,000	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
2-METHYLPHENOL	NOC	NOC	5.1 U	22.3	6.3 U	280 U	5.3 U	1620
3&4-METHYLPHENOL	NOC	NOC	5.1 U	20.1 J	6.3 U	280 U	5.3 U	2170
2-NITROPHENOL	NOC	NOC	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
PHENOL	NOC	NOC	66.9	16 J	6.3 U	280 U	5.3 U	3870
ACENAPHTHENE	NOC	NOC	28.7	39.5	6.3 U	96 J	5.3 U	382
ACENAPHTHYLENE	NOC	NOC	5.1 U	6.5 J	6.3 U	280 U	5.3 U	290 U
ACETOPHENONE	NOC	NOC	16.4	8.3 J	6.3 U	280 U	5.3 U	1500
ANTHRACENE	NOC	NOC	0.76 J	11.6 J	6.3 U	280 U	5.3 U	290 U
1,1'-BIPHENYL	NOC	NOC	23.8	31.5	6.3 U	65.5 J	5.3 U	229 J
2-CHLORONAPHTHALENE	NOC	NOC	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
BIS(2-CHLOROETHYL)ETHER	NOC	13,000	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
BIS(2-CHLOROISOPROPYL)ETHER	NOC	55,000	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
FLUORENE	NOC	NOC	15.7	36	6.3 U	53.3 J	5.3 U	155 J
2-METHYLNAPHTHALENE	NOC	NOC	60.5	252	5.2 J	2270	5.3 U	1610
NAPHTHALENE	NOC	25,000	445	4010	55.9	10300	5.3 U	6070
NITROBENZENE	NOC	290,000	5.1 U	21 U	6.3 U	280 U	5.3 U	290 U
PHENANTHRENE	NOC	NOC	3.9 J	30.3	6.3 U	280 U	5.3 U	134 J

Prepared By: US 2/12/2014
Reviewed By: CP 2/17/2014

Notes:

All sample results are in µg/L.

Bolded PA Dafaults Residential Volatilization to Indoor Air Screen

Underlined results exceed the USEPA-PA Defaults Nonresidential PELs Volatilization to Indoor Air Screen

NOC - Not of concern, value above constituent water solubility

NA - No standards/criteria available

U - Indicates that the target compound was not detected at concentrations greater than the quantitation limit.

J - Indicates that the reported concentration is a quantitative estimate.

Prepared By: US 2/12/2014
Reviewed By: CP 2/17/2014