Table 3-1
Leachate Study Summary Statistics and Comparison with Screening Criteria
Part II - Remedial Investigation Report
The Dow Chemical Company, Michigan Operations

							Summar	y Statistics					Co	mparison to So	reening Criter	ia	
Analyte	CAS Number	Unit	Matrix	No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Min RL of NDs	Max RL of NDs	Residential DW Protection	Percent Exceed (Detect)	Percent Exceed (Non- detect)	GSI Protection	Percent Exceed (Detect)	Percent Exceed (Non- detect)
Arsenic	7440-38-2	ug/Kg	Soil	28	100%	4,719	10,262	430	56,000	-	-	11,290*	7%	0%	11,290*	7%	0%
Arsenic	7440-38-2	ug/L	Water	28	100%	6.09	5.55	1.1	28	-	-	10	14%	0%	10	14%	0%
Boron	7440-42-8	ug/Kg	Soil	28	100%	4,148	2,600	830	11,000	-	-	10,000	7%	0%	100,000	0%	0%
Boron	7440-42-8	ug/L	Water	28	100%	48.1	23.5	18	140	-	-	500	0%	0%	5,000	0%	0%
Chromium, Hexavalent	18540-29-9	ug/Kg	Soil	28	0%	-	-	-	-	0.25	0.25	30,000	0%	0%	3,300	0%	0%
Chromium, Hexavalent	18540-29-9	ug/L	Water	28	4%	2.68	3.59	21	21	0.004	0.004	100	0%	0%	11	4%	0%
Cyanide, Total	57-12-5	ug/Kg	Soil	28	93%	88.7	70.0	16	240	0.012	0.012	4,000	0%	0%	390*	0%	0%
Cyanide, Total	57-12-5	ug/L	Water	28	46%	2.73	2.45	4.6	5.8	0.001	0.001	200	0%	0%	5.2	25%	0%
Fluoranthene		ug/Kg	Soil	28	79%	176	458	15	2,400	12	12	730,000	0%	0%	5,500	0%	0%
Fluoranthene	206-44-0	ug/L	Water	28	0%	-	-	-	-	0.77	0.77	210	0%	0%	1.6	0%	0%
Hexachlorobenzene	118-74-1	ug/Kg	Soil	28	7%	194	785	1,300	4,000	9.1	9.1	1,800	4%	0%	350	7%	0%
Hexachlorobenzene	118-74-1	ug/L	Water	28	0%	-	-	-	-	0.1	0.1	1	0%	0%	0.2	0%	0%
Hexachlorobutadiene	87-68-3	ug/Kg	Soil	28	4%	9.05	25.66	140	140	8.4	8.4	26,000	0%	0%	91	4%	0%
Hexachlorobutadiene	87-68-3	ug/L	Water	28	0%	-	-	-	-	0.12	0.12	15	0%	0%	0.053	0%	100%
Lithium	7439-93-2	ug/Kg	Soil	28	100%	5,907	3,927	1,100	16,000	-	-	12,500*	7%	0%	12,500*	7%	0%
Lithium	7439-93-2	ug/L	Water	28	100%	13.5	15.6	0.78	67	-	-	170	0%	0%	440	0%	0%
Methylene chloride	75-09-2	ug/Kg	Soil	28	0%	-	-	-	-	0.24	0.25	100	0%	0%	30,000	0%	0%
Methylene chloride	75-09-2	ug/L	Water	28	32%	1.74	2.96	1.2	9.2	0.19	0.19	5	18%	0%	1,500	0%	0%
Pentachlorophenol	87-86-5	ug/Kg	Soil	28	14%	120	491	41	2,600	15	15	22	14%	0%	17,000	0%	0%
Pentachlorophenol	87-86-5	ug/L	Water	28	4%	0.249	1.029	5.5	5.5	0.11	0.11	1	4%	0%	1.8	4%	0%
Selenium	7782-49-2	ug/Kg	Soil	28	100%	474	142	160	790	-	-	4,000	0%	0%	770*	4%	0%
Selenium	7782-49-2	ug/L	Water	28	25%	0.566	0.377	0.88	1.7	0.00073	0.00073	50	0%	0%	5	0%	0%
Strontium	7440-24-6	ug/Kg	Soil	28	100%	39,071	46,205	2,200	220,000	-	-	92,000	11%	0%	420,000	0%	0%
Strontium	7440-24-6	ug/L	Water	28	100%	56.6	54.6	3.9	220	-	-	4,600	0%	0%	21,000	0%	0%
Toluene	108-88-3	ug/Kg	Soil	28	7%	10.6	47.7	45	250	0.23	0.23	16,000	0%	0%	5,400	0%	0%
Toluene	108-88-3	ug/L	Water	28	75%	36.1	109.4	0.13	420	0.12	0.12	790	0%	0%	270	7%	0%
Xylenes, Total	1330-20-7	ug/Kg	Soil	28	4%	4.27	20.72	110	110	0.71	0.71	5,600	0%	0%	820	0%	0%
Xylenes, Total	1330-20-7	ug/L	Water	28	21%	1.58	4.18	0.49	19	0.29	0.29	280	0%	0%	41	0%	0%
Zinc	7440-66-6	ug/Kg	Soil	28	100%	44,564	64,664	4,800	350,000	-	-	2,400,000	0%	0%	220,000**	4%	0%
Zinc	7440-66-6	ug/L	Water	28	100%	121	428	7.8	2,300	-	-	2,400	0%	0%	220**	4%	0%

Notes:

There are no field duplicates in this data set.

Nondetects were substituted by half of reporting limit (RL) for the computation of summary statistics.

* = Statewide Default Background Level or Regional Background Screening Level was used for criteria, per R 299.5750(B).
 ** = Generic facility-specific Part 201 Groundwater Surface Water Interface (GSI) and Soil GSI Protection Criteria were calculated for zinc using hardness data collected from receiving waters.

Table 3-2 Northeast Plant Perimeter Well Dow Shallow Groundwater Data Summary Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

			Monitor Well	4363	4363	4363	4363	4363	4363	6176	6176	6176	MW-10	MW-10	MW-10	4355	4355	4355
			Lab Sample ID	240-28946-1	240-28946-2	240-28946-5	240-28978-1	DRY	240-31891-6	240-28784-1	240-30477-2	240-31891-5	240-28790-3	240-30477-3	240-31891-7	240-28784-2	240-30477-4	240-31891-8
		GSI	Sample Date	9/6/2013	9/7/2013	9/7/2013	9/10/2013	10/18/2013	11/22/2013	9/5/2013	10/18/2013	11/22/2013	9/4/2013	10/18/2013	11/22/2013	9/5/2013	10/18/2013	11/25/2013
	Res. DW GW	Protection																
	Criteria	Criteria																
Analyte	(ug/L)	(ug/L)		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
VOCs																		
Methylene chloride	5	1500		ND (<5.0)	NS	NS	NS	NS	ND (<5.0)									
Toluene	790	270		ND(<1.0)	NS	NS	NS	NS	ND(<1.0)	ND (<1.0)	ND (<1.0)	ND(<1.0)						
m-Xylene & p-Xylene ¹	280	41		ND (<2.0)	NS	NS	NS	NS	ND (<2.0)									
o-Xylene ¹	280	41		ND (<1.0)	NS	NS	NS	NS	ND (<1.0)									
Total Cyanide	200	5.2		ND (<5.0)	NS	NS	NS	NS	ND (<5.0)	5.5 B	ND (<5.0)	5.5						
Metals																		
Arsenic	10	10		NS	7.1	NS	NS	NS	ND (<1.0)	2.4	2.8	2.0	1.8	ND (<1.0)	ND (<1.0)	1.1	1.6	1.7
Chromium VI	100	11		NS	NS	ND (<1.0)	NS	NS	ND (<1.0)	3.2								
Selenium	50	5		NS	ND (<2.0)	NS	NS	NS	ND (<2.0)	2.4	3.6	4.5						
Chlorinated Herbicides																		
Pentachlorophenol	1	2.8		NS	NS	NS	ND (<1.0)	NS	ND (<1.0)									

 $^{1}\,$ Residential Drinking Water Criteria and GSI Protection Criteria reported for Total Xylenes.

BOLD Result is detected.

BOLD & SHADED Result is detected at a concentration greater than a screening criteria.

NS Not Sampled - Well was dry and sample was not collected.

B Compound was found in the blank and sample

Table 3-2 Northeast Plant Perimeter Well Dow Shallow Groundwater Data Summary Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

			Monitor Well	4355	4355	4355	4355	4355	4355	4355	4355	6177	6177	6177
			Lab Sample ID	240-38327-1	240-38327-2	240-38327-3	240-38327-4	240-40314-1	240-40314-2	240-40314-3	240-40314-4	240-28790-2	240-30477-5	240-31891-9
		GSI	Sample Date	6/6/2014	6/6/2014	6/6/2014	6/6/2014	8/1/2014	8/1/2014	8/1/2014	8/1/2014	9/4/2013	10/18/2013	11/25/2013
	Res. DW GW	Protection												
	Criteria	Criteria												
Analyte	(ug/L)	(ug/L)		(ug/L)										
VOCs														
Methylene chloride	5	1500		NS	ND (<5.0)	ND (<5.0)	ND (<5.0)							
Toluene	790	270		NS	ND(<1.0)	ND(<1.0)	ND(<1.0)							
m-Xylene & p-Xylene ¹	280	41		NS	ND (<2.0)	ND (<2.0)	ND (<2.0)							
o-Xylene ¹	280	41		NS	ND (<1.0)	ND (<1.0)	ND (<1.0)							
Total Cyanide	200	5.2		16	13	13	12	16	15	6.5	18	ND (<5.0)	ND (<5.0)	ND (<5.0)
Metals														
Arsenic	10	10		NS	1.6	2	1.8							
Chromium VI	100	11		NS	ND (<1.0)	ND (<1.0)	ND (<1.0)							
Selenium	50	5		NS	2.1	ND (<2.0)	2							
Chlorinated Herbicides														
Pentachlorophenol	1	2.8		NS	ND (<1.0)	ND (<1.0)	ND (<1.0)							

 $^{1}\,$ Residential Drinking Water Criteria and GSI Protection Criteria reported fi

BOLD Result is detected.

BOLD & SHADED Result is detected at a concentration greater th Not Sampled - Well was dry and sample was no

NS B

Compound was found in the blank and sample

Table 3-2 Northeast Plant Perimeter Well Dow Shallow Groundwater Data Summary Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

			Monitor Well	5385	5385	5385	5385	5385	5385	5385	5385	5385	5385	5385
			Lab Sample ID	240-28790-1	240-30433-3	240-31891-10	240-38327-5	240-38327-6	240-38327-7	240-38327-8	240-40314-5	240-40314-6	240-40314-7	240-40314-8
		GSI	Sample Date	9/4/2013	10/17/2013	11/25/2013	6/6/2014	6/6/2014	6/6/2014	6/6/2014	8/1/2014	8/1/2014	8/1/2014	8/1/2014
	Res. DW GW	Protection												
	Criteria	Criteria												
Analyte	(ug/L)	(ug/L)		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
VOCs														
Methylene chloride	5	1500		ND (<5.0)	ND (<5.0)	ND (<5.0)	NS							
Toluene	790	270		ND(<1.0)	ND(<1.0)	ND(<1.0)	NS							
m-Xylene & p-Xylene ¹	280	41		ND (<2.0)	ND (<2.0)	ND (<2.0)	NS							
o-Xylene ¹	280	41		ND (<1.0)	ND (<1.0)	ND (<1.0)	NS							
Total Cyanide	200	5.2		560	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Metals														
Arsenic	10	10		1.8	1.5	1.4	NS							
Chromium VI	100	11		ND (<1.0)	ND (<1.0)	ND (<1.0)	NS							
Selenium	50	5		ND (<2.0)	ND (<2.0)	ND (<2.0)	NS							
Chlorinated Herbicides														
Pentachlorophenol	1	2.8		ND (<1.0)	ND (<1.0)	ND (<1.0)	NS							

 $^{1}\,$ Residential Drinking Water Criteria and GSI Protection Criteria reported fi

BOLD Result is detected.

BOLD & SHADED Result is detected at a concentration greater th

NS Not Sampled - Well was dry and sample was no

NS B

Compound was found in the blank and sample

Table 3-3 Southwest Plant Perimeter Well Dow Shallow Groundwater Data Summary Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

			Monitor Well	8817	8817	8817	8818	8818	8818	8874	8874	8874	8875	8875	8875
			Lab Sample ID	240-29258-1	240-30433-1	240-31891-1	240-29258-2	240-30477-1	240-31981-4	240-28790-4	240-30433-2	240-31891-3	240-28784-3	240-30433-4	240-31891-2
		GSI	Sample Date	9/16/2013	10/17/2013	11/21/2013	9/18/2013	10/18/2013	11/22/2013	9/4/2013	10/17/2013	11/21/2013	9/5/2013	10/17/2013	11/21/2013
	Res. DW GW	Protection													
	Criteria	Criteria													
Analyte	(ug/L)	ug/L)		(ug/L)											
VOCs															
Methylene chloride	5	1500		ND (<5.0)											
Toluene	790	270		ND (<1.0)											
m-Xylene & p-Xylene ¹	280	41		ND (<2.0)											
o-Xylene ¹	280	41		ND (<1.0)											
Total Cyanide	200	5.2		ND (<5.0)											
Metals															
Arsenic	10	10		ND (<1.0)	ND (<1.0)	ND (<1.0)	1.1	ND (<1.0)	ND (<1.0)	2.4	3.5	1.1	3.3	1.6	1.6
Chromium VI	100	11		ND (<1.0)	1.8										
Selenium	50	5		ND (<2.0)	ND (<2.0)	2.0	ND (<2.0)								
Chlorinated Herbicides															
Pentachlorophenol	1	2.8		ND (<1.0)											

¹ Residential Drinking Water Criteria and GSI Protection Criteria reported for Total Xylenes.

Result is detected.

BOLD

Table 3-4 Northeast Plant Perimeter Well MDEQ Shallow Groundwater Data Summary

Part II - Remedial Investigation Report

The Dow Chemical Company, Michigan Operations

			Monitor Well	MW-10	4355	6177	5385	5385	5385
			Lab Sample ID	1309040-02	1408022-01	1309040-03	1309040-01	1310122-01	1408022-02
	Res. DW GW	GSI Protection	Sample Date	9/4/2013	8/1/2014	9/4/2014	9/4/2013	10/17/2013	8/1/2014
	Criteria	Criteria							
Analyte	(ug/L)	(ug/L)		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
VOCs									
Methylene chloride	5	1500		ND (<5.0)	NS	ND (<5.0)	ND (<5.0)	ND (<5.0)	NS
Toluene	790	270		ND(<1.0)	NS	ND(<1.0)	ND(<1.0)	ND(<1.0)	NS
m-Xylene & p-Xylene ¹	280	41		ND (<2.0)	NS	ND (<2.0)	ND (<2.0)	ND (<2.0)	NS
o-Xylene ¹	280	41		ND (<1.0)	NS	ND (<1.0)	ND (<1.0)	ND (<1.0)	NS
Total Cyanide	200	5.2		ND (<5.0)	19	ND (<5.0)	32	18	14
Metals									
Arsenic	10	10		1.5	NS	1.9	1.6	1.8	NS
Chromium VI	100	11		ND (<5.0)	NS	ND (<5.0)	ND (<5.0)	ND (<5.0)	NS
Selenium	50	5		ND (<1.0)	NS	2.0	ND (<1.0)	ND (<1.0)	NS
Chlorinated Herbicides									
Pentachlorophenol	1	2.8		ND (<20)	NS	ND (<21)	ND (<21)	ND (<21)	NS

¹ Residential Drinking Water Criteria and GSI Protection Criteria reported for Total Xylenes.

Result is detected.

BOLD

NS

BOLD & SHADED Result is detected at a concentration greater than a screening criteria.

Not Sampled - Well was dry and sample was not collected.

Table 3-5 Southwest Plant Perimeter Well MDEQ Shallow Groundwater Data Summary Part II - Remedial Investigation Report

The Dow Chemical Company, Michigan Operations

			Monitor Well	8874	8874R	8875	8875R
		GSI	Lab Sample ID	1309040-04	1309040-06	1310122-02	1310122-03
	Res. DW GW	Protection	Sample Date	9/4/2013	9/4/2013	10/17/2013	10/17/2013
	Criteria	Criteria					
Analyte	(ug/L)	ug/L)		(ug/L)	(ug/L)	(ug/L)	(ug/L)
VOCs							
Methylene chloride	5	1500		ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Toluene	790	270		ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
m-Xylene & p-Xylene ¹	280	41		ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)
o-Xylene ¹	280	41		ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Total Cyanide	200	5.2		ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Metals							
Arsenic	10	10		2.0	1.9	1.5	1.5
Chromium VI	100	11		ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Selenium	50	5		ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
Chlorinated Herbicides							
Pentachlorophenol	1	2.8		ND (<21)	ND (<20)	ND (<20)	ND (<20)

¹ Residential Drinking Water Criteria and GSI Protection Criteria reported for Total Xylenes.

BOLD

Result is detected.

· · · · · ·						Number of Samples	s						Summary Statistic	cs			
Analyte Group	Analyte	CAS Number	Unit	No. of Samples from 2005/6 Dow On-Site	No. of Samples from 2006 COM Blind	No. of Samples from 2010 Dow	No. of Samples from 2010 MDEQ	Total No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Max Detected Value (Off-site)	Min RL of NDs	Max RL of NDs	Max RL of NDs (Off- site)
Cyanide	Cyanide, Total	57-12-5	ug/kg	0	72	99	33	204	86.3%	148	153	10.625	863	863	6.6	610	610
Herbicides	2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	ug/kg	0	72	0	0	72	1.4%	1.39	1.36	12.6275	12.6275	12.6275	2.17	5.58	5.58
Herbicides Herbicides	2,4-D (Dichlorophenoxyacetic Acid) Silvex (2,4,5-TP)	94-75-7 93-72-1	ug/kg ug/kg	0	72 72	0	0	72 72	15.3% 0.0%	5.83	15.39	7.4375	83.8	83.8	<u>1.79</u> 1.89	4.61 4.86	4.61 4.86
Mercurv	Mercurv	7439-97-6	ug/kg ua/ka	23	72	99	33	227	85.5%	72.5	245.6	9.4	3.440	740	3.9	62.4	50
Metals	Aluminum	7429-90-5	ug/kg	23	0	99	33	155	100.0%	3,091,331	2,486,965	416,874	14,200,000	12,000,000			
Metals	Antimony	7440-36-0	ug/kg	0	72	99	33	204	23.0%	263	604	14	4,530	4,530	150	1,470	1,470
Metals	Arsenic	7440-38-2	ug/kg	23	72	99	33	227	97.4%	4,614	5,647	195	59,200	38,029	194	785	785
Metals Metals	Barium BervIlium	7440-39-3 7440-41-7	ug/kg ug/kg	23 23	72 72	0	33 33	128 128	100.0% 92.2%	38,856 293	22,224 196	7,620 42.625	<u>137,000</u> 1,170	120,000 1,110	 35	580	47
Metals	Boron	7440-41-7	ug/kg ug/kg	0	0	99	33	132	99.2%	8,986	3,728	970	22,627	22,627	9,200	9,200	9,200
Metals	Cadmium	7440-43-9	ug/kg	23	72	0	33	128	75.8%	282	276	32.6	1,570	990	15	872	872
Metals	Calcium	7440-70-2	ug/kg	23	0	0	0	23	100.0%	97,044,130	80,734,405	4,140,000	269,000,000				
Metals	Chromium	7440-47-3	ug/kg	23	72	99	33	227	100.0%	9,614	7,351	783	60,700	46,700			
Metals Metals	Chromium VI Cobalt	18540-29-9 7440-48-4	ug/kg ug/kg	23 23	0 72	0 99	0 33	23 227	13.0% 100.0%	711 2,385	889 1,190	863 402	4,610 7,420	7,420	810	1,100	
Metals	Copper	7440-50-8	ug/kg	23	72	0	33	128	100.0%	18,330	19,492	2,000	183,000	54,900			
Metals	Iron	7439-89-6	ug/kg	23	0	0	33	56	100.0%	8,036,518	5,803,437	2,100,000	30,200,000	14,000,000			
Metals	Lead	7439-92-1	ug/kg	23	72	99	33	227	100.0%	29,563	53,681	1,483	666,000	666,000			
Metals Metals	Lithium Magnesium	7439-93-2 7439-95-4	ug/kg ug/kg	23 23	0	99 99	33 33	155 155	100.0% 100.0%	6,075 3,142,780	3,423 2,943,442	1,040	16,570 15,521,500	16,570 15,521,500			
	Manganese	7439-96-5	ug/kg	23	0	99	33	155	100.0%	88,932	69,842	10,091	547,757	547,757			
	Molybdenum	7439-98-7	ug/kg	23	0	0	33	56	60.7%	2,284	3,409	96	2,000	2,000	4,055	23,200	
Metals	Nickel	7440-02-0	ug/kg	23	72	99	0	194	99.5%	9,465	15,219	1,670	209,000	20,953	350	350	350
Metals	Potassium Selenium	7440-09-7 7782-49-2	ug/kg ug/kg	23 23	0 72	0 99	0 33	23 227	91.3% 33.5%	784,707 375	436,782 578	235,500 120	1,830,000 5,720	5,720	496,500	580,000 1,180	1,180
Metals Metals	Silver	7440-22-4	ug/kg	23	72	99	33	227	13.7%	64.2	131.0	25	1,680	1.680	80 50.8	580	132
Metals	Sodium	7440-23-5	ug/kg	23	0	0	33	56	60.7%	203,987	290,770	42,000	1,940,000	220,000	101,000	600,000	600,000
Metals	Strontium	7440-24-6	ug/kg	23	0	99	33	155	100.0%	32,451	39,291	2,100	201,919	201,919			
Metals	Thallium	7440-28-0	ug/kg	23	72	99	33	227	15.4%	162	148	35	230	230	101	4,360	990
Metals Metals	Thorium Tin	7440-29-1 7440-31-5	ug/kg ug/kg	0	0 72	0 99	33 0	<u>33</u> 171	93.9% 6.4%	2,072	1,926 12,254	440 532	3,300 158.000	3,300 158.000	17,000 484	19,000 2.610	19,000 2.610
Metals	Titanium	7440-31-5	ug/kg	23	0	0	0	23	100.0%	129,535	75,383	48.700	427,000		404		
Metals	Vanadium	7440-62-2	ug/kg	23	72	0	33	128	100.0%	11,856	7,319	2,250	74,000	74,000			
	Zinc	7440-66-6	ug/kg	23	72	0	33	128	83.6%	60,643	97,091	4,800	798,500	190,000	56.1	165.9	165.9
PCBs	PCBs, Total	1336-36-3	ug/kg	23	72	0	33	128	57.8%	482	3,189	38	2,240	1,236	170	72,000	370
Pesticides Pesticides	4,4'-DDD 4,4'-DDE	72-54-8 72-55-9	ug/kg ug/kg	23 23	72 72	0	33 33	128 128	30.5% 57.0%	10.9 51.9	38.9 238.0	0.77575	345 2,400	345 2,400	0.631 0.829	180 28	180 12
Pesticides	4,4'-DDT	50-29-3	ug/kg	23	72	0	33	128	51.6%	45.6	213.1	1.04	1,741	1,741	0.957	28	12
Pesticides	Aldrin	309-00-2	ug/kg	23	72	0	33	128	3.1%	4.34	8.67	0.799	3.04	3.04	0.638	180	180
Pesticides	alpha-BHC	319-84-6	ug/kg	23	72	99	33	227	4.8%	5.05	12.75	0.909	150	11	0.808	180	180
	Beta BHC Chlordane, Total	319-85-7 57-74-9	ug/kg ug/kg	23 23	72 72	0 99	33 33	128 227	3.9% 6.2%	4.94 18.9	9.15 37.8	1.55 2.49	29.7 327	29.7 327	0.872	180 180	180 180
Pesticides	Delta BHC	319-86-8	ug/kg ua/ka	23	72	0	33	128	4.7%	5.97	18.61	0.995	190	4	0.787	180	180
Pesticides	Dieldrin	60-57-1	ug/kg	23	72	0	33	128	10.2%	4.71	8.75	1.01	21.3	21.3	0.638	180	180
Pesticides	Endosulfan sulfate	1031-07-8	ug/kg	23	72	0	33	128	7.8%	6.10	11.24	1.8	46.6	46.6	0.777	180	180
Pesticides Pesticides	Endosulfan, Total Endrin	115-29-7	ug/kg	23 23	72 72	0	33 33	128 128	58.6% 2.3%	7.31 4.68	11.79 8.78	0.522	53.5	42.01	<u>8.9</u> 0.776	180 180	180 180
	Endrin aldehyde	72-20-8 7421-93-4	ug/kg ug/kg	23	72	0	33	128	2.3%	4.66	8.76	1.51	12.1 9.88	12.1 9.88	0.776	180	180
Destisides	Endrin ketone		ug/kg	23	0	0	33	56	0.0%						8.9	180	180
	Gamma BHC (Lindane)	58-89-9	ug/kg	23	72	0	33	128	2.3%	4.49	9.02	3.2	33	5.93	0.626	180	180
	Heptachlor		ug/kg	23	72	0	33	128	0.0%						0.638	180	180
	Heptachlor epoxide Methoxychlor		ug/kg ug/kg	23 23	72 72	0	33 33	128 128	15.6% 10.2%	5.62 9.86	10.71 17.75	0.795	67 48	67 13	0.882	180 350	180 350
	Mirex		ug/kg	23	0	0	33	56	3.6%	14.6	16.0	37	53		8.9	180	180
Pesticides	Toxaphene	8001-35-2	ug/kg	23	72	0	33	128	0.0%						10	7,200	7,200
	Tris(2,3-dibromopropyl)phosphate		ug/kg	0	0	0	33	33	0.0%						730	15,000	15,000
Sulfide SVOCs	Sulfide (E)-alpha,beta-2,3,4,5,6-	1	ug/kg ug/kg	0	72 0	0 99	0	72 99	5.6% 0.0%	52,740 	18,882	79,250		157,750 	86,000 30	226,000 60	226,000 60
SVOCs	Heptachlorostyrene (E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	ug/kg	0	0	99	0	99	0.0%						30	60	60
SVOCs	(Z)-alpha,beta-2,3,4,5,6- Heptachlorostyrene	29086-39-3	ug/kg	0	0	99	0	99	0.0%						30	60	60
SVOCs SVOCs	(Z)-beta-2,3,4,5,6-Hexachlorostyrene		ug/kg	0	0	99	0	99	0.0%	11.7	4.4	10		30	30 19.8	60 39.6	60 39.6
	1,2,3,4-Tetrachlorobenzene 1,2,3-Trichlorobenzene	634-66-2 87-61-6	ug/kg ug/kg	0	0	99 99	0	99 99	11.1% 0.0%		4.4	10	30		<u>19.8</u> 26.4	39.6 52.8	52.8
	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	0	72	0	0	72	0.0%						8	22	22
SVOCs	1,2,4-Trichlorobenzene	120-82-1	ug/kg	23	0	99	28	150	4.0%	127	254	24.5	3,000	56	157	2,067	480
SVOCs	1,2-Diphenyl-hydrazine	122-66-7	ug/kg	0	0	0	33	33	0.0%						330	470	470
SVOCs	1,3-Dinitrobenzene	99-65-0	ug/kg	0	72	99	33	204	0.0%						7.87	470	470
	1.4-Naphthoquinono																
	1,4-Naphthoquinone 1-Naphthylamine	130-15-4 134-32-7	ug/kg ug/kg	0	72 72	0	0	72	0.0%						12 352	31 919	31 919

					Ν	lumber of Sample	S				-		Summary Statisti	cs	•		-
Analyte Group	Analyte	CAS Number	Unit	No. of Samples from 2005/6 Dow On-Site	No. of Samples from 2006 COM Blind	No. of Samples from 2010 Dow	No. of Samples from 2010 MDEQ	Total No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Max Detected Value (Off-site)	Min RL of NDs	Max RL of NDs	Max RL of NDs (Off- site)
	/-/ /-/-		ug/kg	0	0	99	0	99	0.0%						30	60	60
	1-1 1-1	58-90-2	ug/kg	0	72	0	0	72	8.3%	21.5	71.9	16	450	450	14	38	38
	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	95-95-4 88-06-2	ug/kg ug/kg	23 23	72 72	0	33 33	128 128	3.9% 2.3%	101 105	216 217	20	140 29	37 29	8	4,100 4,100	470
	7 1-	120-83-2	ug/kg	23	72	0	0	95	0.0%						27	4,100	69
		105-67-9	ug/kg	23	72	0	33	128	0.0%						58	4,100	470
SVOCs		51-28-5	ug/kg	23	72	0	33	128	0.0%						20	21,000	2,300
		121-14-2	ug/kg	23	72	0	33	128	0.0%						29	4,100	470
		87-65-0	ug/kg	0	72	0	33	105	0.0%						14 330	470 470	470
SVOCs SVOCs		576-26-1 606-20-2	ug/kg ug/kg	23	0 72	99	33 33	33 227	0.0%						6.08	4,100	470
		53-96-3	ug/kg	0	72	0	0	72	0.0%						14	36	36
SVOCs	2-Chloronaphthalene	91-58-7	ug/kg	23	72	0	33	128	0.0%						26	4,100	470
		95-57-8	ug/kg	23	72	0	33	128	0.0%						27	4,100	470
		91-57-6	ug/kg	23	72	0	33	128	32.8%	82.3	144.8	6.0725	1,066	259	8	470	470
		91-59-8 88-74-4	ug/kg ug/kg	0 23	72 72	0	0 33	72 128	0.0%						352 8	919 4.100	919 2.300
		88-75-5	ug/kg ug/kg	0	72	0	33	120	0.0%						10	4,100	470
SVOCs		91-94-1	ug/kg	0	72	0	0	72	0.0%						60	156	156
	3,3'-Dimethylbenzidine	119-93-7	ug/kg	0	72	0	0	72	0.0%						352	919	919
SVOCs	· · · · · · · · · · · · · · · · · · ·	56-49-5	ug/kg	0	72	0	0	72	0.0%						19	49	49
SVOCs		99-09-2	ug/kg	23	72	0	33	128	0.0%						7	4,100	2,300
		101-14-4 534-52-1	ug/kg ug/kg	0 23	0 72	0	33 33	33 128	0.0%						330 13	470 21.000	470 2.300
		92-67-1	ug/kg	0	72	0	0	72	0.0%						10	21,000	2,300
		101-55-3	ug/kg	23	72	0	33	128	0.8%	107	216	45	45		13	4,100	470
SVOCs	4-Chloro-3-methylphenol	59-50-7	ug/kg	0	72	0	33	105	0.0%						11	470	470
	4-Chloroaniline	106-47-8	ug/kg	0	72	0	33	105	0.0%						44	470	470
		7005-72-3	ug/kg	23	72	0	33	128	0.8%	105	217	131	131		5	4,100	470
		100-01-6 100-02-7	ug/kg ug/kg	23 23	72 72	0	33 33	128 128	0.0%						41 9	4,100 21,000	2,300 2,300
		56-57-5	ug/kg	0	72	0	0	72	0.0%						9	21,000	2,300
		98-54-4	ug/kg	0	0	99	0	99	0.0%						86.658	173	173
SVOCs	5-Nitro-o-toluidine	99-55-8	ug/kg	0	72	0	0	72	0.0%						11	29	29
SVOCs		57-97-6	ug/kg	0	72	0	0	72	0.0%						14	36	36
SVOCs		83-32-9	ug/kg	23	72	0	33	128	13.3%	79.0	129.5	11	290	134	8	2,300	440
SVOCs SVOCs		208-96-8 98-86-2	ug/kg ug/kg	23	72 72	0	33 33	128 105	21.9% 8.6%	106 60.3	250 93.8	10 30	1,600 560	1,600 560	8	4,100 470	470
SVOCs	Alpha, Alpha Dimethylphenethylamine	122-09-8	ug/kg	0	72	0	0	72	0.0%						352	919	919
		68705-15-7	ug/kg	0	0	99	0	99	0.0%						30	60	60
		62-53-3	ug/kg	0	72	0	33	105	0.0%						46	470	470
SVOCs		120-12-7	ug/kg	23	72	0	33	128	48.4%	96.9	150.1	7.8	810	770	5	440	440
		140-57-8	ug/kg	0	72	0	0	72	0.0%						73	190	190
SVOCs SVOCs	Azobenzene Benzidine	103-33-3 92-87-5	ug/kg ug/kg	23	0	0 99	33 0	56 99	3.6% 7.1%	246 427	292 134	<u>18</u> 239	860 936	936	330 770	4,100	470
SVOCs		56-55-3	ug/kg	23	72	0	33	128	37.5%	159	423	19	3,105	3,105	6	410	410
SVOCs		205-99-2	ug/kg	23	72	0	33	128	87.5%	248	554	20	4,300	4,300	7	410	410
SVOCs	Benzo(g,h,i)perylene	191-24-2	ug/kg	23	72	0	33	128	79.7%	197	339	20	2,490	2,490	30	4,100	410
		207-08-9	ug/kg	23	72	0	33	128	53.9%	159	337	8.6	2,600	1,453	10	470	470
		50-32-8 65-85-0	ug/kg	23	72	99 0	33	227	52.4%	205	471	8.1	3,661	3,661	9	410	410
			ug/kg ug/kg	0	0 72	0	33 33	33 105	15.2% 1.9%	895 60.0	184 85.6	430	1,500 50	1,500 50	1,600 8	2,300 470	2,300 470
	· · · ·	85-68-7	ug/kg	23	72	0	33	128	15.6%	105	207	9.59	815	317	8	4,100	470
		98-87-3	ug/kg	0	0	0	33	33	0.0%						2,700	3,800	3,800
SVOCs	beta, beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	ug/kg	0	0	99	0	99	0.0%						30	60	60
	· · · · · · · · · · · · · · · · · · ·	111-91-1	ug/kg	23	72	0	33	128	0.0%						5	4,100	470
			ug/kg	23	72	0	33	128	0.0%						38	4,100	470
		39638-32-9 117-81-7	ug/kg	23	0 72	0	0	23 128	0.0% 62.5%	370	1,317	22.175			330 17	4,100 410	410
		117-81-7 80-05-7	ug/kg ug/kg	23 0	0	99	33 0	<u>128</u> 99	0.0%	370	1,317	22.175	11,000	3,080	17	410 320	320
		105-60-2	ug/kg	0	0	0	33	33	0.0%						1,600	2,300	2,300
		86-74-8	ug/kg	0	0	99	33	132	17.4%	61.5	82.3	8	343	343	19.998	470	470
		510-15-6	ug/kg	0	72	0	0	72	0.0%						20	52	52
		2921-88-2	ug/kg	0	0	99	33	132	0.0%						8.9	180	180
		218-01-9	ug/kg	23	72	0	33	128	71.1%	229	543	17.3	3,905	3,905	12	410	410
		5103-73-1 MEPH1314	ug/kg ug/kg	0 23	0 72	99 99	0 33	99 227	0.0% 33.0%	201	 352	14	237	237	16.665 210	33.33 8,200	33.33 1,410
		MEPH1314 2303-16-4	ug/kg ug/kg	0	72	99	33 0	<u>227</u> 72	0.0%	201		14	237		210	8,200	1,410
	, ,	53-70-3	ug/kg	23	72	0	33	128	18.0%	 124	220	15	745	745	33	4,100	470
0,000		132-64-9	ug/kg	23	72	99	33	227	10.6%	89.3	154.0	8.47	1,800	240	5	2,300	470
SVOCs																	

					1	Number of Sample	s						Summary Statistic	cs			
Analyte Group	Analyte	CAS Number	Unit	No. of Samples from 2005/6 Dow On-Site	No. of Samples from 2006 COM Blind	No. of Samples from 2010 Dow	No. of Samples from 2010 MDEQ	Total No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Max Detected Value (Off-site)	Min RL of NDs	Max RL of NDs	Max RL of NDs (Off- site)
	Dimethoate	60-51-5	ug/kg	0	72	0	0	72	0.0%						55	143	143
SVOCs SVOCs	Dimethyl phthalate Di-n-butyl phthalate	131-11-3 84-74-2	ug/kg ug/kg	23 23	72 72	0	33 33	128 128	0.8% 26.6%	109 121	215 240	66 6.9575	66 750	 59	21	4,100	470 470
	Di-n-octylphthalate	117-84-0	ug/kg	23	72	0	0	95	0.0%			0.9575			7	4,100	19
	Dinoseb	88-85-7	ug/kg	0	72	0	0	72	0.0%						56	146	146
SVOCs	Diphenylamine	122-39-4	ug/kg	15	72	0	0	87	0.0%						29	4,100	75
SVOCs	Disulfoton	298-04-4	ug/kg	0	72	0	0	72	0.0%						9	24	24
SVOCs SVOCs	Ethyl methanesulfonate Famphur	62-50-0 52-85-7	ug/kg ug/kg	0	72 72	0	0	72	0.0%						13 30	33 78	33 78
SVOCs	Fluoranthene	206-44-0	ug/kg	23	72	99	33	227	81.9%	401	1,075	13.525	9,270	9,270	10	410	410
	Fluorene	86-73-7	ug/kg	23	72	0	33	128	16.4%	92.1	134.6	6.325	320	320	6	2,300	460
SVOCs	Hexabromobenzene	87-82-1	ug/kg	8	0	0	0	8	0.0%						330	330	
SVOCs	Hexabromobiphenyl	HEX - varies	ug/kg	8	0	0	0	8	0.0%						330	330	
SVOCs SVOCs	Hexachlorobenzene Hexachlorobutadiene	118-74-1 87-68-3	ug/kg ug/kg	23 23	72 72	99 99	33 33	227 227	15.4% 1.3%	229 78.4	2,156 170.0	10 29	32,000 640	193 29	10.3 34.3	2,300	470 470
SVOCs	Hexachlorocyclopentadiene	77-47-4	ug/kg	23	71	99 0	33	127	0.0%						26	21.000	2,300
SVOCs	Hexachloroethane	67-72-1	ug/kg	23	72	0	33	128	0.0%						47	4,100	470
SVOCs	Hexachlorophene	70-30-4	ug/kg	0	72	0	0	72	0.0%						704	1,840	1,840
SVOCs	Hexachloropropene	1888-71-7	ug/kg	0	72	0	0	72	0.0%						47	122	122
SVOCs SVOCs	Indeno(1,2,3-c,d)Pyrene	193-39-5 465-73-6	ug/kg ug/kg	23	72 72	0	33 0	128 72	52.3% 0.0%	181	368	20	3,110	3,110	25 20	2,300	440 51
SVOCs	Isophorone	465-73-6 78-59-1	ug/kg	23	72	0	33	128	0.0%	105	217	120	120		5	4,100	470
SVOCs	Isosafrole	120-58-1	ug/kg	0	72	0	0	72	0.0%						17	45	45
SVOCs	Kepone	143-50-0	ug/kg	0	72	0	0	72	0.0%						1,760	4,590	4,590
SVOCs	Methapyrilene	91-80-5	ug/kg	0	72	0	0	72	0.0%						41	107	107
SVOCs SVOCs	Methyl chlorpyrifos Methyl methanesulfonate	5598-13-0 66-27-3	ug/kg ug/kg	0	0 72	99 0	0	99 72	0.0%						33 20	66 52	66 52
SVOCs	Nitrobenzene	98-95-3	ug/kg	23	72	99	33	227	0.0%	75.8	165.7	34	69	69	36.3	4.100	470
SVOCs	n-Nitrosodiethylamine	55-18-5	ug/kg	0	72	0	0	72	0.0%						19	49	49
SVOCs	n-Nitrosodimethylamine	62-75-9	ug/kg	23	72	0	33	128	0.0%						42	4,100	470
	N-Nitroso-di-n-butylamine	924-16-3	ug/kg	0	72	0	0	72	0.0%						10	27	27
	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	23	72	0	33	128	0.0%						8	4,100	470
	n-Nitrosodiphenylamine n-Nitrosomethylethylamine	86-30-6 10595-95-6	ug/kg ug/kg	23	72 72	0	33 0	128 72	1.6% 0.0%	107	216	130	160	130	12 16	4,100	470
	n-Nitrosomorpholine	59-89-2	ug/kg	0	72	0	0	72	0.0%						10	49	49
	n-Nitrosopiperidine	100-75-4	ug/kg	0	72	0	0	72	0.0%						11	30	30
	n-Nitrosopyrrolidine	930-55-2	ug/kg	0	72	0	0	72	0.0%						352	919	919
SVOCs SVOCs	0,0,0-Triethyl Phosphorothioate 0,0-Diethyl 0-2-Pyrazinyl	126-68-1 297-97-2	ug/kg ug/kg	0	72 72	0	0	72 72	0.0%						10 18	26 48	26 48
SVOCs	Phosphorothioate (Thionazin) o,p'-DDD	53-19-0	ug/kg	0	0	99	0	99	0.0%						17.6	35.2	35.2
SVOCs	Octachlorostyrene	29082-74-4	ug/kg	0	0	99	0	99	3.0%	9.32	2.61	12	14	14	16.665	33.33	33.33
SVOCs	o-Phenylphenol	90-43-7	ug/kg	0	0	99	0	99	6.1%	48.1	21.6	31	215	215	83.325	167	167
	o-Toluidine	95-53-4	ug/kg	0	72	0	0	72	0.0%						352	919	919
SVOCs	Parathion, Ethyl (Parathion)	56-38-2	ug/kg	0	72	0	0	72	0.0%						18	47	47
SVOCs SVOCs	Parathion, Methyl p-Dimethylaminoazobenzene	298-00-0 60-11-7	ug/kg ug/kg	0	72 72	0	0	72	0.0%						12 13	31 33	31 33
SVOCs	Pentachlorobenzene	608-93-5	ug/kg	0	72	0	33	105	0.0%						28	470	470
	Pentachloronitrobenzene	82-68-8	ug/kg	0	72	0	0	72	0.0%						20	51	51
	Pentachlorophenol	87-86-5	ug/kg	23	72	99	33	227	15.0%	283	863	3	755	404	17	21,000	2,300
	Pentochlorethane	76-01-7	ug/kg	0	72	0	0	72	0.0%						12	31	31
	Phenacetin Phenanthrene	62-44-2 85-01-8	ug/kg ug/kg	0 23	72 72	0 99	0 33	72 227	0.0% 52.4%	298	971	8.86	8,938	8,938	12 6	32 420	32 420
	Phenol	108-95-2	ug/kg	23	72	99 0	33	128	21.9%	70.2	147.6	21	1,200	121	7	420	420
SVOCs	Phorate	298-02-2	ug/kg	0	72	0	0	72	0.0%						9	24	24
	p-Phenylenediamine	106-50-3	ug/kg	0	72	0	0	72	0.0%						29	75	75
	Pronamide	23950-58-5	ug/kg	0	72	0	0	72	0.0%						11	29	29
	Propachlor Pyrene	1918-16-7 129-00-0	ug/kg ug/kg	0	0 72	99 0	0 33	99 120	1.0% 85.8%	14.7 289	4.0 891	16.166 15	16.166 7,985	16.166 7,985	26.664 17	53.328 360	53.328 350
	Pyridine	110-86-1	ug/kg	0	72	0	33	120	0.0%				7,985		53	930	930
	Ronnel	299-84-3	ug/kg	0	0	99	0	99	0.0%						37.4	74.8	74.8
SVOCs	Safrole	94-59-7	ug/kg	0	72	0	0	72	0.0%						15	39	39
	Sym-Trinitrobenzene	99-35-4	ug/kg	0	72	0	0	72	0.0%						352	919	919
SVOCs	Tetraethyl Dithiopyrophosphate (Sulfotepp)	3689-24-5	ug/kg	0	72	0	0	72	0.0%						704	1,840	1,840
	trans-Nonachlor	39765-80-5	ug/kg	0	0	99	0	99	0.0%						23.331	46.662	46.662
	1,1,1,2-Tetrachloroethane 1,1,1-Trichloroethane	630-20-6 71-55-6	ug/kg ug/kg	23	72 72	0	28 28	123 123	0.0%						0.5	480 480	480 480
	1,1,2,2-Tetrachloroethane	71-55-6	ug/kg ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	1,1,2-Trichloroethane	79-00-5	ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	1,1,2-Trichlorotrifluoroethane	76-13-1	ug/kg	0	0	0	28	28	0.0%						720	1,900	1,900
	1,1-Dichloroethane	75-34-3	ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	1,1-Dichloroethene	75-35-4	ug/kg	23	72	0	28	123	0.0%						0.5	480	480

					١	lumber of Sample:	5		1				Summary Statistic	cs			
Analyte Group	Analyte	CAS Number	Unit	No. of Samples from 2005/6 Dow On-Site	No. of Samples from 2006 COM Blind	No. of Samples from 2010 Dow	No. of Samples from 2010 MDEQ	Total No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Max Detected Value (Off-site)	Min RL of NDs	Max RL of NDs	Max RL of NDs (Off- site)
VOCs	1,1-Dichloropropene	563-58-6	ug/kg	0	0	99	28	127	0.8%	39.1	57.5	9	9	9	20	480	480
VOCs	1,2,3-Trichloropropane	96-18-4	ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	1,2,3-Trimethylbenzene	526-73-8	ug/kg	0	0	99	0	99	13.1%	7.96	5.38	5	45	45	14	14	14
VOCs VOCs	1,2,4-Trimethylbenzene 1,2-Dibromo-3-chloropropane	95-63-6 96-12-8	ug/kg ug/kg	23 23	0 72	0	28 28	51 123	17.6% 0.0%	89.5	76.3	34	300	250	0.5	480 970	480 970
VOCs	1,2-Dibromoethane (EDB)	106-93-4	ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	1,2-Dichlorobenzene	95-50-1	ug/kg	23	72	99	28	222	3.2%	35.5	49.7	5	370	14	0.5	480	480
VOCs	1,2-Dichloroethane	107-06-2	ug/kg	23	72	0	28	123	0.8%	36.7	60.1	40	40		0.5	480	480
VOCs	1,2-Dichloropropane	78-87-5	ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs VOCs	1,3,5-Trimethylbenzene 1.3-Dichlorobenzene	108-67-8 541-73-1	ug/kg ug/kg	23 23	0 72	0 99	28 28	51 222	3.9% 11.3%	82.2 34.1	69.0 51.0	74	81 380	74 32	0.5	480 480	480 480
VOCs	1,3-Dichloropropane	142-28-9	ug/kg ug/kg	0	0	0	28	222	0.0%						180	480	480
VOCs	1,3-Dichloropropene, Total	542-75-6	ug/kg	0	0	0	28	28	0.0%						180	480	480
VOCs	1,4-Dichlorobenzene	106-46-7	ug/kg	23	72	99	28	222	8.6%	39.3	95.9	5	1,300	27	0.5	480	480
VOCs	1,4-Dioxane	123-91-1	ug/kg	0	72	0	28	100	0.0%						352	48,000	48,000
VOCs VOCs	2,2-Dichloropropane 2-Chloroethyl vinyl ether	594-20-7 110-75-8	ug/kg ug/kg	0	0	99 0	28 28	127 28	0.0%						10 1,800	480 4,800	480 4,800
VOCs	2-Chlorotoluene	95-49-8	ug/kg ug/kg	0	0	99	28	127	0.8%	36.3	60.2	144	144	144	10	4,800	4,800
VOCs	2-Hexanone	591-78-6	ug/kg	23	72	0	28	123	0.8%	152	240	470	470		1	1,900	1,900
VOCs	2-Propanol	67-63-0	ug/kg	0	0	0	28	28	0.0%						7,200	19,000	19,000
VOCs	4-Chlorotoluene	106-43-4	ug/kg	0	0	99	28	127	0.0%						20	480	480
VOCs VOCs	Acetone Acetonitrile	67-64-1 75-05-8	ug/kg ug/kg	23 0	72 72	0	28 28	123 100	6.5% 0.0%	192	294	127	1,880	1,880	5 197	1,900 9,700	1,900 9,700
VOCs	Acrolein	107-02-8	ug/kg ug/kg	0	72	0	28	100	0.0%						102	9,700	9,700
VOCs	Acrylonitrile	107-13-1	ug/kg	23	72	99	28	222	1.8%	377	975	103	563	563	0.5	9,700	9,700
VOCs	Allyl Chloride (3-Chloropropene)	107-05-1	ug/kg	0	72	0	0	72	0.0%						43.6	309	309
VOCs	Benzene	71-43-2	ug/kg	23	72	99	28	222	18.9%	26.2	48.1	10.5	200	150	0.5	480	480
VOCs VOCs	Bromobenzene Bromodichloromethane	108-86-1 75-27-4	ug/kg	23 23	0 72	0	28 28	51	0.0%						0.5	480 480	480 480
VOCs	Bromoform	75-27-4	ug/kg ug/kg	23	72	0	28	123 123	0.0%						0.5	480	480
VOCs	Bromomethane	74-83-9	ug/kg	23	72	0	28	123	0.0%						1	970	970
VOCs	Carbon disulfide	75-15-0	ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	Carbon tetrachloride	56-23-5	ug/kg	23	72	0	28	123	1.6%	37.1	60.2	17	71		0.5	480	480
VOCs VOCs	Chlorobenzene	108-90-7 74-97-5	ug/kg	23 23	72 0	99 0	28 28	222	0.5%	32.4	147.2	2,100	2,100		0.5	480 480	480 480
VOCs	Chlorobromomethane Chloroethane	75-00-3	ug/kg ug/kg	23	72	0	28	51 123	0.0%						0.5	970	970
VOCs	Chloroform	67-66-3	ug/kg	23	72	0	28	123	4.1%	38.3	59.8	19.26	88	28.8	0.5	480	480
VOCs	Chloromethane	74-87-3	ug/kg	23	72	0	28	123	1.6%	76.7	119.1	87	113	113	1	970	970
VOCs	Chloroprene (2-Chloro-1,3-Butadiene)	126-99-8	ug/kg	0	72	0	0	72	0.0%						44	309	309
VOCs VOCs	cis-1,2-Dichloroethene	156-59-2	ug/kg	23	0 72	0	28 28	51 123	0.0%						0.5	240 480	240 480
VOCs	cis-1,3-Dichloropropene Cyclohexane	10061-01-5 110-82-7	ug/kg ug/kg	23 0	0	99	0	99	3.0%	7.16	15.24	11	137	137	10	10	10
VOCs	Cyclohexanone	108-94-1	ug/kg	0	0	0	28	28	0.0%						2,900	7,800	7,800
VOCs	Dibromochloromethane	124-48-1	ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	Dibromomethane	74-95-3	ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	Dichlorodifluoromethane Ethyl Benzene	75-71-8 100-41-4	ug/kg	23	72	0	28	123	0.0% 9.8%		63.5	25.6		229	0.5	970	970 480
VOCs VOCs	Ethyl Benzene	60-29-7	ug/kg ug/kg	23 23	72 0	0	28 28	<u>123</u> 51	9.8%	45.8	63.5	25.6	229		0.5	480 970	480 970
VOCs	Ethyl methacrylate	97-63-2	ug/kg	0	72	0	0	72	0.0%						43.6	309	309
VOCs	Ethyl tert-Butyl Ether	637-92-3	ug/kg	0	0	99	0	99	0.0%						10	10	10
VOCs	Ethylene oxide	75-21-8	ug/kg	0	0	0	28	28	0.0%						110,000	290,000	290,000
VOCs	Isobutanol	78-83-1	ug/kg	0	72	0 99	28	100	0.0%						44	19,000	19,000 30
VOCs VOCs	Isopropyl Ether Isopropylbenzene	108-20-3 98-82-8	ug/kg ug/kg	0 23	0	99 0	0 28	99 51	0.0% 7.8%	85.9	69.7	8.6	110		30 0.5	30 480	480
	Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/kg	23	72	0	28	123	0.8%	139	243	39	39		5	1,900	1,900
	Methyl Iodide (Iodomethane)	74-88-4	ug/kg	23	72	0	28	123	12.2%	47.9	48.6	52	210	210	0.5	480	480
	Methyl Isobutyl Ketone (4-Methyl-2- Pentanone)	108-10-1	ug/kg	23	72	0	28	123	3.3%	143	251	56	750		0.5	1,900	1,900
VOCs	Methyl methacrylate	80-62-6	ug/kg	0	72	0	0	72	0.0%						43.6	309	309
	Methylacrylonitrile Methylene Chloride	126-98-7 75-09-2	ug/kg ug/kg	0 23	72 72	0 99	0 28	72 222	0.0% 52.7%	211	335	6	2,175	2,175	218 0.5	1,540 480	1,540 480
VOCs	Methyl-t-butyl ether	1634-04-4	ug/kg ug/kg	23	0	99	20	222	0.0%				2,175	2,175	0.5	480	
VOCs	Naphthalene	91-20-3	ug/kg	23	72	99	28	222	26.6%	151	500	26.7	7,200	1,314	28	2,300	970
VOCs	n-Butanol	71-36-3	ug/kg	0	0	0	28	28	0.0%						7,200	19,000	19,000
VOCs	n-Butylbenzene	104-51-8	ug/kg	23	0	0	28	51	3.9%	86.0	69.8	84	99		0.5	480	480
VOCs		103-65-1	ug/kg	23	0	0	28	51	9.8%	87.2	70.3	6.3	170		0.5	480	480
VOCs VOCs	p-Isopropyltoluene Propionitrile, Ethyl Cyanide	99-87-6 107-12-0	ug/kg ug/kg	23 0	0 72	0	0	23 72	17.4% 1.4%	16.2 38.2	14.3 58.5	8.6 506	53 506	506	0.5 44	42 309	309
	sec-Butylbenzene	135-98-8	ug/kg	23	0	0	28	51	5.9%	84.8	69.7	6.3	58		0.5	480	480
VOCs	Styrene	100-42-5	ug/kg	23	72	0	28	123	4.9%	41.6	61.6	17	157	157	0.5	480	480
VOCs	t-Butanol	75-65-0	ug/kg	0	0	99	0	99	0.0%						110	110	110
VOCs	tert-Amyl Methyl Ether	994-05-8	ug/kg	0	0	99	0	99	0.0%						30	30	30
VOCs	tert-Butylbenzene	98-06-6	ug/kg	23	0	0	28	51	2.0%	83.5	70.8	37	37		0.5	480	480

					N	lumber of Sample	S						Summary Statistic	s			
Analyte Group	Analyte	CAS Number	Unit	No. of Samples from 2005/6 Dow On-Site	No. of Samples from 2006 COM Blind	No. of Samples from 2010 Dow	No. of Samples from 2010 MDEQ	Total No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Max Detected Value (Off-site)	Min RL of NDs	Max RL of NDs	Max RL of NDs (Off- site)
VOCs	Tetrachloroethene	127-18-4	ug/kg	23	72	99	28	222	4.5%	37.7	147.7	5	2,100	13	0.5	480	480
VOCs	Tetrahydrofuran	109-99-9	ug/kg	23	0	0	28	51	15.7%	332	284	78	180		25.5	1,900	1,900
VOCs	Toluene	108-88-3	ug/kg	23	72	99	28	222	74.3%	430	1,182	4	7,010	7,010	25.5	480	480
VOCs	trans-1,2-Dichloroethene	156-60-5	ug/kg	23	72	0	28	123	0.0%						0.5	240	240
VOCs	trans-1,3-Dichloropropene	10061-02-6	ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	trans-1,4-Dichloro-2-butene	110-57-6	ug/kg	23	72	0	28	123	0.0%						0.5	480	480
VOCs	Trichloroethene (TCE)	79-01-6	ug/kg	23	72	0	28	123	2.4%	38.3	59.4	11	51		0.5	480	480
VOCs	Trichlorofluoromethane	75-69-4	ug/kg	23	72	0	28	123	0.0%						0.5	970	970
VOCs	Trihalomethanes, Total	STL00209	ug/kg	0	0	0	28	28	0.0%						180	480	480
VOCs	Vinyl acetate	108-05-4	ug/kg	0	72	0	28	100	0.0%						42.7	970	970
VOCs	Vinyl chloride	75-01-4	ug/kg	23	72	0	28	123	0.0%						0.5	970	970
VOCs	Xylenes, Total	1330-20-7	ug/kg	23	72	99	28	222	23.9%	72.4	160.8	10.05	1,470	1,470	1.5	480	480
Total	HPAHs		ug/kg	23	72	99	33	227	88.5%	1,498	3,764	138	39,931	39,931	194	3,600	3,500
Total	LPAHs		ug/kg	23	72	99	33	227	64.8%	769	1,458	63	10,530	9,065	111	3,350	3,350
Total	Total DDT		ug/kg	23	72	0	33	128	70.3%	108	418	1.9685	2,630	2,630	2.436	84	36
Notes:																	
If duplicates	s exist, the average of the duplicate resu	Its was used as	a single d	ata point.													
Nondetects	were substituted by half of reporting lim	it (RL) for the co	mputation	of summary sta	atistics.												
Laboratory	QAQC results were not included.																
Isomer:	anarta a total far an "iaamar" arreita	that value of the	reporte	h the individua	licomer tot-14-	om for oritoria	ampariaan (1/2 DL for M		anu unlaga atkarri	inc. motod)						
-	eports a total for an "isomer" group, use			· ·	,		comparison (use	1/2 KL TOT NL	us in the summati	on; unless otherwi	se notea).						
Xylenes	Total Xylenes is the total of o-Xylene, p			and p-xylenes	are usually grou	upea togetner.					+	+					
	Total Endosulfan is composed of Endo							- D				+					
Cresol	Total Cresol or Methylphenol is compo									ometimes grouped	togetner.						
	Total Chlordane is the sum of alpha-Ch						oxycniordane if	such data are	present.								
PCBs	Total PCBs is the sum of all individual	PUBS. (ND aroc	iors are si	ubstituted by ze	ero in the summa	ition.)											

					Nu	mber of Samp	oles				Summary S	statistics on Site	Samples			(eBKG1) State	wide Default	Background	(eBKG2) Modif	ied Urban Ba	ckground ⁽²⁾
Analyte Group	Analyte	CAS	Unit	No. of Samples from 2005/6 Dow On- Site	No. of Samples from 2006 COM Blind	No. of Samples from 2010 Dow	No. of Samples from 2010 MDEQ	Total No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Min RL of NDs	Max RL of NDs	Mean + 1 Std Dev	Percent Exceed (Detect)	Percent Exceed (Non-detect)	Mean + 1 Std Dev (Except As, Use Mean + 2 SD)	Percent Exceed (Detect)	Percent Exceed (Non-detect)
Mercury	Mercury	7439-97-6	ug/kg	23	72	99	33	227	85.5%	72.5	245.6	9.4	3,440	3.9	62.4	130	5.7%	0.0%	180	4.0%	0.0%
Metals	Aluminum	7429-90-5	ug/kg	23	0	99	33	155	100.0%	3,091,331	2,486,965	416,874	14,200,000			6,900,000	10.3%	0.0%	11,673,000	1.3%	0.0%
Metals	Antimony	7440-36-0	ug/kg	0	72	99	33	204	23.0%	263	604	14	4,530	150	1,470						
Metals	Arsenic	7440-38-2	ug/kg	23	72	99	33	227	97.4%	4,614	5,647	195	59,200	194	785	5,800	20.7%	0.0%	11,290	7.0%	0.0%
Metals	Barium	7440-39-3	ug/kg	23	72	0	33	128	100.0%	38,856	22,224	7,620	137,000			75,000	6.3%	0.0%	178,000	0.0%	0.0%
Metals	Beryllium	7440-41-7	ug/kg	23	72	0	33	128	92.2%	293	196	42.625	1,170	35	580				430	18.0%	4.7%
Metals	Boron	7440-42-8	ug/kg	0	0	99	33	132	99.2%	8,986	3,728	970	22,627	9,200	9,200						
Metals	Cadmium	7440-43-9	ug/kg	23	72	0	33	128	75.8%	282	276	32.6	1,570	15	872	1,200	2.3%	0.0%	2,000	0.0%	0.0%
Metals	Calcium	7440-70-2	ug/kg	23	0	0	0	23	100.0%	97,044,130	80,734,405	4,140,000	269,000,000					Here were			
Metals	Chromium	7440-47-3	ug/kg	23	72	99	33	227	100.0%	9,614	7,351	783	60,700			18,000	6.2%	0.0%	21,930	4.4%	0.0%
Metals	Chromium VI	18540-29-9	ug/kg	23	0	0	0	23	13.0%	711	889	863	4,610	810	1,100			199999999		111111	
Metals	Cobalt	7440-48-4	ug/kg	23	72	99	33	227	100.0%	2,385	1,190	402	7,420			6,800	0.9%	0.0%	5,900	2.2%	0.0%
Metals	Copper	7440-50-8	ug/kg	23	72	0	33	128	100.0%	18,330	19,492	2,000	183,000			32,000	12.5%	0.0%	38,080	7.8%	0.0%
Metals	Iron	7439-89-6	ug/kg	23	0	0	33	56	100.0%	8,036,518	5,803,437	2,100,000	30,200,000			12,000,000	12.5%	0.0%	21,916,000	5.4%	0.0%
Metals	Lead	7439-92-1	ug/kg	23	72	99	33	227	100.0%	29,563	53,681	1,483	666,000			21,000	34.4%	0.0%	114,220	5.3%	0.0%
Metals	Lithium	7439-93-2	ug/kg	23	0	99	33	155	100.0%	6,075	3,423	1,040	16,570			9,800	16.1%	0.0%	12,500	5.2%	0.0%
Metals	Magnesium	7439-95-4	ug/kg	23	0	99	33	155	100.0%	3,142,780	2,943,442	177,576	15,521,500					1444444	29,875,000	0.0%	0.0%
Metals	Manganese	7439-96-5	ua/ka	23	0	99	33	155	100.0%	88.932	69.842	10.091	547,757			440,000	0.6%	0.0%	1,298,000	0.0%	0.0%
Metals	Molybdenum	7439-98-7	ug/kg	23	0	0	33	56	60.7%	2,284	3,409	96	2,000	4,055	23,200						
Metals	Nickel	7440-02-0	ug/kg	23	72	99	0	194	99.5%	9,465	15,219	1,670	209,000	350	350	20,000	3.1%	0.0%			
Metals	Potassium	7440-09-7	ug/kg	23	0	0	0	23	91.3%	784,707	436,782	235,500	1,830,000	496,500	580,000			11111111111			
Metals	Selenium	7782-49-2	ug/kg	23	72	99	33	227	33.5%	375	578	120	5,720	80	1,180	410	23.8%	31.7%	770	11.0%	2.2%
Metals	Silver	7440-22-4	ug/kg	23	72	99	33	227	13.7%	64.2	131.0	25	1,680	50.8	580	1,000	0.4%	0.0%		11111111	
Metals	Sodium	7440-23-5	ug/kg	23	0	0	33	56	60.7%	203,987	290,770	42,000	1,940,000	101,000	600,000						
Metals	Strontium	7440-24-6	ug/kg	23	0	99	33	155	100.0%	32,451	39,291	2,100	201,919					1			
Metals	Thallium	7440-28-0	ug/kg	23	72	99	33	227	15.4%	162	148	35	230	101	4,360			111111111111	191919191919191		111111111111111
Metals	Thorium	7440-29-1	ua/ka	0	0	0	33	33	93.9%	2.072	1.926	440	3.300	17.000	19.000						
Metals	Tin	7440-31-5	ua/ka	0	72	99	0	171	6.4%	1,511	12,254	532	158,000	484	2,610						
Metals	Titanium	7440-32-6	ua/ka	23	0	0	0	23	100.0%	129,535	75.383	48,700	427,000					1111111111			
Metals	Vanadium	7440-62-2	ug/kg	23	72	0	33	128	100.0%	11,856	7,319	2,250	74,000					10000000000	21,980	3.1%	0.0%
Metals	Zinc	7440-66-6	ug/kg	23	72	0	33	128	83.6%	60,643	97,091	4,800	798,500	56	166	47,000	35.2%	0.0%	139,650	10.9%	0.0%
Notes:																					<u> </u>]
	tes exist, the a	average of the	e duplic	ate results	was used as	s a single d	ata point														<u> </u>
	cts were subst							v statistics													<u> </u>
	ry QAQC resu						2. ournindi	,													
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(2) Comr	nunication with	TALLAYIOF, M	IDEQ (A	august 12, 2	.011)					1			1			1		1			L

Table 5-3 Classes of Analytes Totaled for Ecological Criteria Comparison Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

Analyte	CAS Number	Unit	Total No. of Samples	Detection Rate	Number of Detected Samples	ESLB	Source of ESLB	% of Detects > ESLB?	Number of samples with Detects > ESLB	% of ND RLs > ESLB?	Number of samples with RLs > ESLB	Min RL of NDs	Max RL of NDs	Max RL of NDs (Off- site)	Max Detected Off-site (ug/kg)	Hazard Quotient (HQ), based on Off-site Data	Recommend	Decision	
BHC, Total		ug/kg	227	8.4%	19	99.4	USEPA Region 5 ESL (alpha-BHC)	0.9%	2	0.9%	2	3.15	720	720	30.9	0.3	Eliminate	Eliminated in 21 August 2014 Meeting	Total BHCs were dete only 2 on-site sample detections occurred a
DDx, Total		ug/kg	128	70.3%	90	93	Avian EPA EcoSSL	9%	11	0%	0	2.44	84	36	2630	28.3			Total DDx (4,4'-DDD, EPA EcoSSL in only 1: samples were off-site (2,576.1 ug/kg) and (12" (2,630 ug/kg) and ug/kg at W1-02 1-6"
Endosulfan and Endosulfan sulfate, Totals	115-26-7 1031- 07-8	ug/kg	128	60.9%	78	35.8	US EPA Region 5 ESL	5%	6	4%	5	17.8	360	360	73.5	2			Total Endosulfans we ESL. 3 of the samples site samples are as for sample locations assi off-site concentration site and the one off-s the most conservation ESL.
Endrin, Total	72-20-8	ug/kg	128	3.9%	5	2.62	USEPA Eco SSL (Endrin aldehyde)	3%	4	52%	64	1.57	540	540	16.5	6	Eliminate (with map review); Endrins were not produced by Dow		Total endrins were d that were greater tha 6-12" (16.5 ug/kg). 5 coverage across the a Site samples, all of th based on frequency of
Heptachlor, Total	76-44-8	ug/kg	128	15.6%	20	152	USEPA Region 5 ESL (Heptachlor epoxide)	0%	0	0.8%	1	1.52	360	360	77.6	0.5	Eliminate	Eliminated in 21 August 2014 Meeting	Total heptachlors we detected concentrati that commonly has r
Parathion, Total	56-38-2	ug/kg	72	0.0%	0	0.292	US EPA Region 5 ESL	0%		100%	72	29.9	78.3	78.3	ND				Total parathions wer NOAEL ESLB for the r the calculated robin
HMW PAHs, Total		ug/kg	227	67.8%	154	18,000	EcoSSL (Invertebrates)	0.9%	2	0%	0	75.1	1620	1575	30,627	2			Summed concentrati on-site sample was a ug/kg). There are no distribution evaluatio
						1,100	EcoSSL (Mammals)	19%	43	2%	5					28			Summed concentrati the detections are or ug/kg) from the CON historical release. Ba only 9 detected conc sample locations, the
LMW PAHs, Total		ug/kg	227	86.8%	197	29,000	EcoSSL (Invertebrates)	0%	0	0%	0	40.3	1675	1675	17,881	0.6			There are no summe ultimately eliminated
						100,000	EcoSSL (Mammals)	0%	0	0%	0					0.2			There are no summe

Notes:

If duplicates exist, the average of the duplicate results was used as a single data point.

Nondetects were substituted by half of reporting limit (RL) for the computation of summary statistics. Laboratory QAQC results were not included.

BHC, Total:		Total DDx:	
	Alpha-BHC		4,4'-DDD
	Beta BHC		4,4'-DDE
	Delta BHC		4,4'-DDT
	Gamma BHC (Lindane)		
Endrin, Total:		Total Endosul	fan and Endosulfan sulfate:
	Endrin		Endosulfan sulfate
	Endrin aldehyde		Endosulfan, Total
	Endrin ketone		
Heptachlor, Total:		Total Parathio	n:
	Heptachlor		Parathion, Ethyl (Parathion)
	Heptachlor epoxide		Parathion, Methyl

Notes

detected in 19 out of 227 total samples collected (6 on-site samples and 13 off-site samples). Of these 19 detections, nples had detections that exceeded the ESLB at DOS-8 (214.5 ug/kg) and DOS-21 (286 ug/kg). The highest off-site ed at L-01 (0-1"). The screening level HQ based on the off-site maximum is less than 1. Recommend elimination.

DD, 4,4'-DDE, 4,4'-DDT) was detected in 90 out of 128 total samples. The detected concentration exceeded the Avian ly 11 samples. 2 of the samples were on-site (DOS-1 (152.55 ug/kg) and DOS-20 (101.5 ug/kg). The remaining 9 f-site and are all associated with an off-site sources other than MAS historical release: A-02 (725.4 ug/kg), C-02 0-1" and C-02 1-6" (2,558.5 ug/kg), O-01 1-6" (98.62 ug/kg), W-03 0-1" (1,059.6 ug/kg) and W-03 1-6" (1,319.1 ug/kg), B1-01 6 and B1-03 0-1" (94 ug/kg). If these are removed from the data set, the next highest off-site concentration is 90.85 1-6". Using this concentration, the screening HQ is 1.

s were detected in 78 out of 128 total samples. The detected concentrations in 6 samples exceed the US EPA Region 5 ples are on-site (DOS-20 (65 ug/kg), DOS-21 (69 ug/kg), and DOS-8 (66 ug/kg)) and 3 are off-site samples. The three offs follows: -Co21-6' (54.665 ug/kg), Holl 1-6' (73.51 ug/kg) and Co11-6' (49.545 ug/kg). C-02 and 0-01 are off-site associated with an off-site source other than MAS historical release. This leaves the one isolated maximum detected tition at K-02 1-6'', Ademonstrating this is not a widespread issue. There are 5 RLs that exceed the FSLB. 4 of them are on off-site is at B1-01 (180 ug/kg). LANL has endosulfan ESLs for the robin (as an herbivore, omnivore and invertivore), rative of which (the invertivore) is 40,000 ug/kg. The maximum detected concentration is well below the LANL robin

e detected in only 5 out of 128 total samples collected (all off-site). 4 of these samples had detected concentrations r than the ESLB. They are as follows: J-02 0-1" (9.79 ug/kg), O-01 1-6" (10.9 ug/kg), L-02 0-1" (12.59 ug/kg), and I1a-02). 59 samples had reporting limits that met the ESLB from the 2006 COM sampling effort providing adequate sample he area of interest. 64 samples had reporting limits that exceeded the ESLB. These samples included all of the Dow Or of the 2010 MDEQ samples and 9 out of a total of 68 samples from the 2006 COM data set. Recommend elimination tory of detection and spatial distribution.

were detected in 20 samples out of 128 total samples collected. These 20 detections were all off-site. There are no rations that exceed the ESLB. Only 1 reporting limit exceeds the ESLB at B1-01 6-12" (180 ug/kg), which is a sample as reporting limits that exceed. Recommend elimination.

were never detected and all reporting limits were higher than the US EPA Region 5 ESL (0.292 ug/kg). Our calculated he robin was 398 ug/kg (based on parathion; for methyl parathion it was 4,000 ug/kg). All reporting limits were below bin NOAEL ESLB.

rations of HMW PAHs exceeded the Invertebrate EcoSSL (18,000 ug/kg) in two samples - 1 on-site and 1 off-site. The as at DOS-20 (18,800 ug/kg) and the off-site samples was from the COM Blinded Sampling effort at C-02 0-1" (30,627 e no reporting limits that exceed this ESLB. D6 analytes were ultimately eliminated based on a Total PAH and spatial ration.

rations of HMW PAHs exceeded the Mammal EcoSSL (1,100 ug/kg) in 43 samples located both on- and off-site. 14 of e on-site and 29 of the detections are off-site. The maximum detected concentration is off-site at C-02 0-1" (30,627 OM Blinded Sampling effort, which is a sample location associated with an off-site source not related to the MAS Based on a review of the sample locations associated with off-site source not related to the MAS historical release, oncentrations that exceed 1,100 ug/kg off-site are not associated with one of those sample locations. Of these 9 the max detections is 4,471 ug/kg at J-02 0-1". Based on this detected concentration, the screening HQ is 4.

med concentrations of LMW PAHs or RLs that exceed the Invertebrate EcoSSL (29,000 ug/kg). D6 analytes were ited based on a Total PAH and spatial distribution evaluation.

med concentrations of LMW PAHs or RLs that exceed the Mammal EcoSSL (100,000 ug/kg).

Table 5-4

Summary of Current Ecological Screening Categories Based on L. Williams (FWS) Memorandum Dated September 23, 2013

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Category	Definition
1	If screened out of HHRA and HHRA threshold is less than ESLB, screen out of ERA, documenting reasons for screening out of HHRA.
2	If maximum concentration is less than background, screen out of ERA
3	If all concentrations are < RL and RL is less than background, screen out of ERA
	eA1 (Analyte not detected; no ESLB): Compare RL to ESLB for similar compound or to HHRA for same or similar compound then add
4	reasons for exposure/toxicity differences and/or add safety factors.
	eA2 (Analyte detected; no ESLB): Compare maximum concentration to ESLB for similar compound or to HHRA for same or similar
5	compound then add reasons for exposure/toxicity differences and/or add safety factors.
6	eB1 (Analyte not detected; 95% or more RLs met ESLB): Probably OK to screen out, spatial distribution if seems too many.
	eC1 (Detected < or = to 5%; 95% or more RLs met ESLB): Probably Ok to screen out, spatial distribution if seems too many or maximum
7	concentration > ESLB
8	eD1 (Detected > 5%; HQ (based on off-site data) < or = to 1); Probably OK to screen out.
	eB2 (Analyte not detected; More than 5% RLs did not meet ESLB); see if screened out of HHRA and if same reasoning can be used, e.g. #1-3
9	above, spatial distribution indicates not Dow or SWAC of RLs in 5 acre worst case homerange circles less than ESLB.
	eC2 (Detected < or = to 5%; More than 5% RLs did not meet ESLB): see if screened out of HHRA and if same reasoning can be used, e.g. #1-
10	3 above, spatial distribution indicates not Dow or SWAC of RLs, and detections in 5 acre worst case homerange circles less than ESLB.
	eD2 (Detected > 5%; HQ (based on off-site data) > 1): see if screened out of HHRA and if same reasoning can be used, e.g. #2 above,
11	spatial distribution indicates not Dow, or SWAC of RLs and detections in 5 acre worst case homerange circles less than ESLB.
	For remaining contaminants - move beyond SLERA, e.g. consider geometric mean of NOAEL and LOAEL instead of just the NOAEL that was
12	used to develop the ESLB, consider LOAEL, develop and ESLB, calculate % of homeranges at risk after cleanup using SWACs.

- HHRA Human Health Risk Assessment
- ERA Ecological Risk Assessment
- ESLB Ecological Screening Level Benchmark
- NOAEL No Observable Adverse Effect Level
- RL Reporting Limit
- SLERA Screening Level ERA
- LOAEL Lowest Observable Adverse Effect Level

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification	Eco Lines of Justification	Decision
Metals	Barium ¹	7440-39-3	A2	eBKG2	НН	#1	100%	128	300,000	0%	0%	330,000	0%	0%	Metals Screen-out by Regional Background Screening Levels	Metals Screen-out by Modified Urban Background	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Background.
Metals	Boron ¹	7440-42-8	D6, E2	eD1	НН	#1, #8	99%	132	10,000	38%	0%	52,100	0%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated based on leach testing results	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Background.
Metals	Chromium ¹	7440-47-3	D6, E1	eD2	нн	#1, #11	100%	227	3,300	94%	0%	26,000	4%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distribution	Detected > 5%; HQ (based on off-site data) > 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Background.
Metals	Cobalt ¹	7440-48-4	D6, E1	eD1	НН	#1, #8	100%	227	800	96%	0%	13,000	0%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distribution	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Background.
SVOCs	Fluoranthene ¹	206-44-0	D6, E2	eD1	HH	#1, #8	82%	227	5,500	0.9%	0%	381,000	0%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated based on leach testing results	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on the LMW PAH Totals evaluation.
SVOCs	Hexachlorobutadiene ¹	87-68-3	D5, E2	eC1	HH	#1, #7	1%	227	91	0.9%	60%	984	0%	1%	Detected ≤ 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated based onm leach testing results		Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
Metals	Selenium ¹	7782-49-2	D6, E3	eD2	ΗH	#1, #11	34%	227	400	25%	32%	1,830	3%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated based on shallow groundwater sampling leach study results (3/13/14 meeting)	Detected > 5%; HQ (based on off-site data) > 1	Eliminated in 5 September 2014 Eco Working Meeting #5 based on all presented lines of justification. See Comment Response Table.
Metals	Manganese	7439-96-5	A2	eBKG2	НН	#1	100%	155	1,000	100%	0%	220,000	4%	0%	Metals Screen-out by Regional Background Screening Levels	Metals Screen-out by Modified Urban Background	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,1,1,2-Tetrachloroethane	630-20-6	B3	eB1	HH	#1, #6	0%	123	1,500	0%	0%	225,000	0%	0%	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,1,1-Trichloroethane	71-55-6	B3	eB1	HH	#1, #6	0%	123	1,800	0%	0%	29,800	0%	0%	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,1-Dichloroethane	75-34-3	B3	eB1	HH	#1, #6	0%	123	15,000	0%	0%	20,100	0%	0%	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,2,3-Trichloropropane	96-18-4	B3	eB1	HH	#1, #6	0%	123	840	0%	0%	3,360	0%	0%	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Bromoform	75-25-2	B3	eB1	НН	#1, #6	0%	123	1,600	0%	0%	15,900	0%	0%	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Dibromochloromethane	124-48-1	B3	eB1	нн	#1, #6	0%	123	1,600	0%	0%	2,050	0%	0%	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Dibromomethane	74-95-3	B3	eB1	НН	#1, #6	0%	123	1,600	0%	0%	65,000	0%	0%	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Ethyl methacrylate	97-63-2	B3	eB1	НН	#1, #6	0%	72	770	0%	0%	30,000	0%	0%	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	p-Phenylenediamine	106-50-3	B3	eB1	НН	#1, #6	0%	72	1,900	0%	0%	6,160	0%	0%	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	1,2,4-Trichlorobenzene	120-82-1	D2	eC1	НН	#1, #7	4%	150	4,200	0%	0%	11,100	0%	0%	Detected <5%: screen-out by Part 201/EPA criteria	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification	Eco Lines of Justification	Decision
Herbicides	2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	D2	eC1	нн	#1, #7	1%	72	150	0%	0%	596	0%	0%	Detected <5%: screen-out by Part 201/EPA criteria	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Chloromethane	74-87-3	D2	eC1	нн	#1, #7	2%	123	2,300	0%	0%	10,400	0%	0%	Detected <5%: screen-out by Part 201/EPA criteria	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Isophorone	78-59-1	D2	eC1	нн	#1, #7	0.8%	128	15,000	0%	0%	139,000	0%	0%	Detected <5%: screen-out by Part 201/EPA criteria	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Methyl Ethyl Ketone (2- Butanone)	78-93-3	D2	eC1	НН	#1, #7	0.8%	123	44,000	0%	0%	89,600	0%	0%	Detected <5%: screen-out by Part 201/EPA criteria	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Methyl Isobutyl Ketone (4- Methyl-2-Pentanone)	108-10-1	D2	eC1	НН	#1, #7	3%	123	36,000	0%	0%	443,000	0%	0%	Detected <5%: screen-out by Part 201/EPA criteria	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Styrene	100-42-5	D2	eC1	НН	#1, #7	5%	123	2,100	0%	0%	4,690	0%	0%	Detected <5%: screen-out by Part 201/EPA criteria	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Acenaphthene	83-32-9	D3	eD1	НН	#1, #8	13%	128	8,700	0%	0%	682,000	0%	0%	Detected > 5%; screen-out by Part 201/EPA criteria	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Acenaphthylene	208-96-8	D3	eD1	НН	#1, #8	22%	128	5,900	0%	0%	682,000	0%	0%	Detected > 5%; screen-out by Part 201/EPA criteria	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Acetophenone	98-86-2	D3	eD1	нн	#1, #8	9%	105	30,000	0%	0%	300,000	0%	0%	Detected > 5%; screen-out by Part 201/EPA criteria	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Anthracene	120-12-7	D3	eD1	нн	#1, #8	48%	128	41,000	0%	0%	1,480,000	0%	0%	Detected > 5%; screen-out by Part 201/EPA criteria	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Benzo(b)fluoranthene	205-99-2	D3	eD1	НН	#1, #8	88%	128	20,000	0%	0%	59,800	0%	0%	Detected > 5%; screen-out by Part 201/EPA criteria	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Fluorene	86-73-7	D3	eD1	НН	#1, #8	16%	128	5,300	0%	0%	122,000	0%	0%	Detected > 5%; screen-out by Part 201/EPA criteria	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Indeno(1,2,3-c,d)Pyrene	193-39-5	D3	eD1	НН	#1, #8	52%	128	20,000	0%	0%	109,000	0%	0%	Detected > 5%; screen-out by Part 201/EPA criteria	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Phenol	108-95-2	D3	eD1	НН	#1, #8	22%	128	9,000	0%	0%	120,000	0%	0%	Detected > 5%; screen-out by Part 201/EPA criteria	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,2-Dichlorobenzene	95-50-1	D5, E1	eC1	нн	#1, #7	3%	222	280	0.5%	37%	2,960	0%	0%	Detected ≤ 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distribution	Detected ≤ 5%; All RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
Pesticides	alpha-BHC	319-84-6	D5, E1	eC1	нн	#1, #7	5%	227	18	1%	30%	99.4	0%	0%	Detected ≤ 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distribution	Detected ≤ 5%; 99% RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Chlorobenzene	108-90-7	D5, E1	eC1	нн	#1, #7	0.5%	222	500	0.5%	0%	13,100	0%	0%	Detected ≤ 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distribution	Detected ≤ 5%; All RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Tetrachloroethene	127-18-4	D5, E1	eC1	НН	#1, #7	5%	222	100	2%	14%	9,920	0%	0%	Detected ≤ 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distribution	Detected ≤ 5%; All RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification	Eco Lines of Justification	Decision
VOCs	1,1,2-Trichloroethane	79-00-5	D4, E1	eB1	НН	#1, #6	0%	123	100	0%	26%	28,600	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,1-Dichloroethene	75-35-4	D4, E1	eB1	нн	#1, #6	0%	123	62	0%	38%	8,280	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,2-Dibromo-3-chloropropane	96-12-8	D4, E1	eB2	нн	#1, #9	0%	123	10	0%	93%	35.2	0%	93%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,2-Dibromoethane (EDB)	106-93-4	D4, E1	eB1	нн	#1, #6	0%	123	20	0%	93%	1,230	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,2-Dichloroethane	107-06-2	D4, E1	eC1	нн	#1, #7	0.8%	123	100	0%	26%	21,200	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,2-Dichloropropane	78-87-5	D4, E1	eB1	нн	#1, #6	0%	123	100	0%	26%	32,700	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,3-Dichloropropene, Total	542-75-6	D4, E1	eB2	нн	#1, #9	0%	28	170	0%	100%	398	0%	11%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	1,3-Dinitrobenzene	99-65-0	D4, E1	eB1	нн	#1, #6	0%	204	3.3	0%	100%	655	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,4-Dioxane	123-91-1	D4, E1	eB2	нн	#1, #9	0%	100	1,700	0%	28%	2,050	0%	28%		Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	2,2'-Oxybis (1- Chloropropane)	108-60-1	D4, E1	eB1	нн	#1, #6	0%	105	0.12	0%	100%	19,900	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	2,4,6-Trichlorophenol	88-06-2	D4, E1	eC1	нн	#1, #7	2%	128	330	0%	90%	9,940	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Detected ≤ 5%; All RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	2,4-Dichlorophenol	120-83-2	D4, E1	eB1	нн	#1, #6	0%	95	330	0%	91%	87,500	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification	Eco Lines of Justification	Decision
SVOCs	2,4-Dinitrotoluene	121-14-2	D4, E1	eB1	НН	#1, #6	0%	128	430	0%	12%	1,280	0%	2%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; 98% RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	2-Naphthylamine	91-59-8	D4, E1	eB1	НН	#1, #6	0%	72	0.19	0%	100%	3,030	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	2-Nitroaniline	88-74-4	D4, E1	eB1	НН	#1, #6	0%	128	150	0%	100%	74,100	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	2-Nitrophenol	88-75-5	D4, E1	eB1	НН	#1, #6	0%	105	400	0%	32%	1,600	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	3,3'-Dimethylbenzidine	119-93-7	D4, E1	eB2	НН	#1, #9	0%	72	0.04	0%	100%	104	0%	100%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	3-Methylcholanthrene	56-49-5	D4, E1	eB1	НН	#1, #6	0%	72	5.9	0%	100%	77.9	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	4-Aminobiphenyl	92-67-1	D4, E1	eB2	НН	#1, #9	0%	72	0.016	0%	100%	3.05	0%	100%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	4-Chloro-3-methylphenol	59-50-7	D4, E1	eB1	НН	#1, #6	0%	105	280	0%	100%	7,950	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	4-Chloroaniline	106-47-8	D4, E1	eB1	НН	#1, #6	0%	105	0.14	0%	100%	1,100	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	4-Nitroaniline	100-01-6	D4, E1	eB1	НН	#1, #6	0%	128	1.4	0%	100%	21,900	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	5-Nitro-o-toluidine	99-55-8	D4, E1	eB1	НН	#1, #6	0%	72	1.1	0%	100%	8,730	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	7,12-Dimethylbenz(a) anthracene	57-97-6	D4, E1	eB1	НН	#1, #6	0%	72	0.27	0%	100%	16,300	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification	Eco Lines of Justification	Decision
VOCs	Acrolein	107-02-8	D4, E1	eB2	нн	#1, #9	0%	100	310	0%	100%	5,270	0%	13%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Allyl Chloride (3- Chloropropene)	107-05-1	D4, E1	eB2	нн	#1, #9	0%	72	0.21	0%	100%	13.4	0%	100%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Aramite (Total)	140-57-8	D4, E1	eB1	нн	#1, #6	0%	72	30	0%	100%	166,000	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Bis(2-Chloroethoxy) methane	111-91-1	D4, E1	eB2	нн	#1, #9	0%	128	25	0%	100%	302	0%	44%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Bis(2-Chloroethyl) ether	111-44-4	D4, E1	eB1	нн	#1, #6	0%	128	100	0%	100%	23,700	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Bromomethane	74-83-9	D6, E1	eB2	нн	#1, #9	0%	123	200	0.0%	25%	235	0%	24%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; 23.6% RLs did not meet ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Carbon tetrachloride	56-23-5	D4, E1	eC1	нн	#1, #7	2%	123	100	0%	26%	2,980	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Chlorobenzilate	510-15-6	D4, E1	eB1	нн	#1, #6	0%	72	2	0%	100%	5,050	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Chloroprene (2-Chloro-1,3- Butadiene)	126-99-8	D4, E1	eB2	нн	#1, #9	0%	72	0.0085	0%	100%	2.9	0%	100%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Diallate (total of cis and trans isomers)	2303-16-4	D4, E1	eB1	нн	#1, #6	0%	72	1.6	0%	100%	452	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Dibenz(a,h)anthracene	53-70-3	D4, E1	eD1	нн	#1, #8	18%	128	2,000	0%	2%	18,400	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Diethyl phthalate	84-66-2	D4, E1	eC1	нн	#1, #7	2%	128	2,200	0%	2%	24,800	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification	Eco Lines of Justification	Decision
SVOCs	Dimethoate	60-51-5	D4, E1	eB1	нн	#1, #6	0%	72	1.6	0%	100%	218	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Ethyl Benzene	100-41-4	D4, E1	eD1	нн	#1, #8	10%	123	360	0%	3%	5,160	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Hexachloroethane	67-72-1	D4, E1	eB1	нн	#1, #6	0%	128	430	0%	12%	596	0%	2%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; 98% RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Kepone	143-50-0	D4, E1	eB2	нн	#1, #9	0%	72	0.24	0%	100%	32.7	0%	100%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Methyl methacrylate	80-62-6	D4, E1	eB1	нн	#1, #6	0%	72	310	0%	1%	984,000	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Methyl methanesulfonate	66-27-3	D4, E1	eB1	нн	#1, #6	0%	72	0.14	0%	100%	315	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Methylacrylonitrile	126-98-7	D4, E1	eB2	нн	#1, #9	0%	72	0.24	0%	100%	57	0%	100%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Nitrobenzene	98-95-3	D4, E1	eC1	нн	#1, #7	0.9%	227	330	0%	52%	1,310	0%	1%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Detected ≤ 5%; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	n-Nitrosodiethylamine	55-18-5	D4, E1	eB1	нн	#1, #6	0%	72	0.000053	0%	100%	69.3	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	n-Nitrosodimethylamine	62-75-9	D4, E1	eB2	нн	#1, #9	0%	128	0.0001	0%	100%	0.0321	0%	100%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	N-Nitroso-di-n-butylamine	924-16-3	D4, E1	eB1	нн	#1, #6	0%	72	0.005	0%	100%	267	0%	0%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	n-Nitrosodi-n-propylamine	621-64-7	D4, E1	eB1	НН	#1, #6	0%	128	330	0%	92%	544	0%	2%	Not detected above Part 201/EPA criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; 98% RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification	Eco Lines of Justification	Decision
SVOCs	n-Nitrosomethylethylamine	10595-95-6	D4, E1	eB2	нн	#1, #9	0%	72	0.00088	0%	100%	1.66	0%	100%	criteria, but have elevated RLs for d	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	n-Nitrosomorpholine	59-89-2	D4, E1	eB1	нн	#1, #6	0%	72	0.0025	0%	100%	70.6	0%	0%	Not detected above Part 201/EPA A criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	n-Nitrosopiperidine	100-75-4	D4, E1	eB2	нн	#1, #9	0%	72	0.0038	0%	100%	6.65	0%	100%	criteria, but have elevated RLs for d	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	n-Nitrosopyrrolidine	930-55-2	D4, E1	eB2	нн	#1, #9	0%	72	0.012	0%	100%	12.6	0%	100%	criteria, but have elevated RLs for d	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	p-Dimethylaminoazobenzene	60-11-7	D4, E1	eB1	нн	#1, #6	0%	72	0.062	0%	100%	40	0%	0%	Not detected above Part 201/EPA A criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Phenacetin	62-44-2	D4, E1	eB1	нн	#1, #6	0%	72	8.6	0%	100%	11,700	0%	0%	Not detected above Part 201/EPA A criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Pyridine	110-86-1	D4, E1	eB1	нн	#1, #6	0%	105	400	0%	57%	1,030	0%	0%	Not detected above Part 201/EPA A criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Safrole	94-59-7	D4, E1	eB1	нн	#1, #6	0%	72	0.19	0%	100%	404	0%	0%	Not detected above Part 201/EPA A criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Analyte not detected; all RLs met ESLB	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Tetraethyl Dithiopyrophosphate (Sulfotepp)	3689-24-5	D4, E1	eB2	нн	#1, #9	0%	72	13	0%	100%	596	0%	100%	criteria, but have elevated RLs for d	Analyte not detected; some or all RLs did not meet ESLB; HHRA criteria lower and screened out of HHRA	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Trichloroethene (TCE)	79-01-6	D4, E1	eC1	нн	#1, #7	2%	123	100	0%	26%	12,400	0%	0%	Not detected above Part 201/EPA C criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution		Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Vinyl chloride	75-01-4	D4, E1	eB1	нн	#1, #6	0%	123	40	0%	83%	646	0%	5%	Not detected above Part 201/EPA A criteria, but have elevated RLs for NDs; Eliminated through a review of spatial distribution	··· / ··· ······························	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification Eco Lines of Justification	Decision
Metals	Arsenic	7440-38-2	D6, E3	eD1	НН	#1, #8	97%	227	4,600	33%	0%	106,000	0%	0%	Detected > 5%; one or more Detected > 5%; HQ (based on off-site detected concentrations > Part data) ≤ 1 201/EPA criteria; Eliminated based on shallow groundwater sampling leach study results (3/13/14 meeting)	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
Metals	Chromium VI	18540-29-9	D6, E3	eD1	НН	#1, #8	13%	23	3,300	4%	0%	537,000	0%	0%	Detected > 5%; one or more Detected > 5%; HQ (based on off-site detected concentrations > Part data) ≤ 1 201/EPA criteria; Eliminated based on shallow groundwater sampling leach study results (3/13/14 meeting)	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Methylene Chloride	75-09-2	D6, E3	eD1	НН	#1, #8	53%	222	100	58%	21%	4,050	0%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated based on shallow groundwater sampling leach study results $(3/13/14)$ Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
SVOCs	Pentachlorophenol	87-86-5	D6, E3	eD1	НН	#1, #8	15%	227	22	8%	58%	2,480	0%	1%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated based on shallow groundwater sampling leach study results $(3/13/14)$ Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Toluene	108-88-3	D6, E3	eD2	НН	#1, #11	74%	222	5,400	2%	0%	5,450	2%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated based on shallow groundwater sampling leach study results (3/13/14 meeting)	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Xylenes, Total	1330-20-7	D6, E3	eD1	НН	#1, #8	24%	222	820	1%	0.5%	70,100	0%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated based on shallow groundwater sampling leach study results $(3/13/14$ meeting)Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,3-Dichlorobenzene	541-73-1	D6, E1	eD1	НН	#1, #8	11%	222	170	0.5%	45%	37,700	0%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distributionDetected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	1,4-Dichlorobenzene	106-46-7	D6, E1	eD1	нн	#1, #8	9%	222	360	0.5%	33%	546	0%	0%	Detected > 5%; one or more Detected > 5%; HQ (based on off-site detected concentrations > Part data) ≤ 1 201/EPA criteria; Eliminated through a review of spatial distribution data	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
VOCs	Benzene	71-43-2	D6, E1	eD1	нн	#1, #8	19%	222	100	0.9%	14%	255	0%	6%	detected concentrations > Part data) ≤ 1 201/EPA criteria; Eliminated through a review of spatial distribution data	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
Mercury	Mercury	7439-97-6	D6, E1	eD2	НН	#1, #11	86%	227	50	29%	2%	100	8%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distributionDetected > 5%; HQ (based on off-site data) > 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification	Eco Lines of Justification	Decision
SVOCs	Phenanthrene	85-01-8	D6, E1	eD1	нн	#1, #8	52%	227	2,100	3%	0%	45,700	0%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distribution	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.
Metals	Silver	7440-22-4	D6, E1	eD1	НН	#1, #8	14%	227	100	3%	41%	4,200	0%	0%	Detected > 5%; one or more detected concentrations > Part 201/EPA criteria; Eliminated through a review of spatial distribution	Detected > 5%; HQ (based on off-site data) ≤ 1	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Category 1 Justification.

¹ See RTC table (Table 5-6) for more information

Table 5-6 Ecological Screening Results - Category 1 Response to Comments Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

				1								1			1		% Detects		Calculated	1	1			T
Analyte Group	Analyte	CAS Number	Screened Out HH	Scree Out		er FW ia Ema		Detection Frequency	Total # Samples	Off-site Max	Original Dow ESLB Used in 2011 (ug/kg)	Source	% Detects Exceed Original ESLB	% RLs Exceed Original ESLB	Current Dov ESLB (ug/kg)		Exceed Current	% RLs Exceed Current ESLB	LOAEL-Based Dow ESLB	Calculated LOAEL based ESLB Source	% Detects Exceed LOAEL ESLB	% RLs Exceed LOAEL ESLB	Dow Further Evaluation	Decision
Analytes	lentified for Further Evalu Barium	7440-39-3	A2	eBK	(G2 HH	#1	1	100%	128	120,000	1,040	USEPA Region 5 ESL	100%	0%	330,000	USEPA Eco SSL (Soil Inverts)	0%	0%	(ug/kg)	Calculated LOAEL-based ESLB for Northern Cardinal	0%	0%	Barium was 100% detected. In both the human health evaluation and the original ecological screening, barium was eliminated through a comparison to background, which is discussed below. The original ecological screening performed in 2011 compared detected concentrations of barium to the US EPA Region 5 ESL. Later in 2011, Dow performed further evaluation that included a review of available US EPA Eco SSLs and for some analytes, barium included, a screening was performed using those values. The detected results for all 128 samples exceed the 1,040 ug/kg benchmark identified by the MDEQ that was developed based on soil invertebrates. These detections occur both on- and off-site. Statewide background (mean + 1 std dev) is 75,000 ug/kg and and only 6.3% (8 samples) of the total 128 samples collected exceed this background level. 3 of the 8 samples are on-site (DOS-1, DOS-2, DOS-8); the remaining 5 samples are off-site (3 from the City of Midland Blinded Sampling effort at U-20 or 1" and W-30 at both 0-1" and 1-6"; and 2 from the 2010 MDEQ sampling effort at B1-01 6-12" and Site2-03-1-6"). Modified urban background is 178,000 ug/kg (mean + 1 std dev) and there are no exceedances of this value. When a LOAEL-based ESLB is calculated based on the Northern Cardinal, there are no detected concentrations that exceed the ESLB.	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Background.
SVOCs	Hexachlorobutadiene	87-68-3	D5, E2	eC	с1 нн	#1,;	#7	1%	227	29	40	USEPA Region 5 ESL	1%	0%	1,013	Calculated NOAEL-based ESLB for American Robin	0%	1%	5,060	Calculated LOAEL-based ESLB for American Robin	0%	0%	Hexachlorobutadiene was only detected in 3 samples out of 227 total samples collected. 2 of the 3 samples were located or site at DOS-5 (250 ug/kg) and DOS-8 (640 ug/kg). The 1 detected concentration offsite occurred at O1-02 6-12" for a result of 29 ug/kg, which is less than the MDEQ identified ESLB of 40 ug/kg for the masked shrew and less than the calculated NOAEL-based ESLB for the American Robin. Based on the MDEQ recommended 40 ug/kg ESLB, all of the 2010 MDEQ samples, 2010 Dow samples, and Dow On-Site sample RLs exceed the ESLB. 2 of the COM Blinded sampling effort sample RLs exceed. 50 of the COM Blinded sampling effort meet the ESLB for off-site non-detected samples. In comparison to the calculated ESLB for the American Robin, there are no detected concentrations that exceed the ESLB and only 2 reporting limits (1%) exceed the ESLB, bit of which were on-site at DOS-17 (RL = 2,300 ug/kg) and DOS-20 (RL = 4,100 ug/kg). When a LOAEL-based ESLB is calculated based on the American Robin, there are no detected concentrations or reporting limits that exceed the ESLB.	Eliminated in 27 June 2014 Eco Working Meeting #3 based on clarification provided and Category 1 justification.
Metals	Cobalt	7440-48-4	D6, E1	eD	ра нн	#1,;	#8	100%	227	7,420	140	USEPA Region 5 ESL	100%	0%	13,000	USEPA Eco SSL (Plants)	0%	0%	371,000	Calculated LOAEL-based ESLB for American Robin	0%	0%	Cobalt was detected in 100% of the 227 total samples collected. All of the detected concentrations exceed the MDEQ- recommended ESLB of 140 ug/kg. Statewide background (mean + 1 std dev) is 6.800 and only 2 samples have detected concentrations that exceed this background value. Modified Urban background (mean + 1 std dev) is less than the Statewide background value at 5,900 ug/kg and 5 samples have detected concentrations that exceed this value. 2 detected concentrations are on-site at DOS-1 (6,010 ug/kg) and DOS-2 (5,940 ug/kg); 2 detected concentrations are off-site at the L- 02 sample location of the COM Blinded Sampling effort (0-1" = 6,830 ug/kg); 1-6" = 7,420 ug/kg); and 1 detected concentration also from the COM Blinded Sampling effort is at U-02 0-1" (5,980 ug/kg). All other detected concentrations are below background values. When a LOAEL-based ESLB is calculated for the American Robin, there are no detected concentrations that exceed the ESLB.	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Background.
Metals	Chromium	7440-47-3	D6, E1	eD	D2 HH	#1,#	#11	100%	227	46,700	400	USEPA Region 5 ESL	100%		26,000	USEPA Eco SSL (Birds)	4%	0%	43,900	Calculated LOAEL-based ESLB for American Robin	1%	0%	The original eco screening performed in 2011 used the US EPA Region 5 ESLB for comparison. Dow performed further evaluation on eD1 and eD2 analytes, including chromium. Since the endpoint is aviar receptors, the US EPA Eco SSL for birds was utilized for the screening moving forward. 100% of detects exceed the soil invert benchmark recommended by MDEO. Statewide background is 18,000 ug/kg and 6% (14 samples) of the detected results exceed that value. A comparison of detected concentrations to the current avian screening level (US EPA Eco SSL of 26,000 ug/kg) only 8 samples exceed the benchmark (no RLs exceed). Of the 8 samples that exceed the ESLB, 6 of those samples are on-site, leaving 2 off-site samples that occurred in the COM Blinded Sampling Effort and the sample location was L-01 (0-1" and 1-6" depths). Modified Urban Background is 21,930 ug/kg and 9 samples exceed that value (the 8 discussed previously and 1 additional sample on-site). When a LOAEL-based ESLB is calculated for an American Robin, only 2 detections exceed the calculated criteria: one on-site DOS-11 (60,700 ug/kg) and one off-site at L-01 0-1" (46,700 ug/kg).	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Background.
Metals	Boron	7440-42-8	D6, E2	eD	01 НН	#1, :	#8	99%	132	22,627					52,900	Calculated NOAEL-based ESLB for Northerm Cardinal	0%	0%	172,000	Calculated LOAEL-based ESLB for Northern Cardinal	0%	0%	Boron was detected in 99% of 132 total samples collected. 38% of those samples have detected concentrations that exceed the MDEQ-recommended avian benchmark of 10,000 ug/kg (50 samples). There is no on-site data for Boron. The maximum detected concentration is 22,627 ug/kg at F1-02 0-1" from the COM Blinded Sampling Effort. There is no background information for Boron. It was eliminated from HH based on leach testing results. When Boron was identified as a Leach Study Analyte, Dow performed further evaluation including the calculation of a NOAEL-based ESLB for the Northerr Cardinal and this is the screening value used in this comparison. When compared to a calculated NOAEL-based ESLB for the Northerr Cardinal, all detected concentrations and all reporting limits are lower than the calculated NOAEL-based ESLB. When a LOAEL-based ESLB is calculated, all detected concentrations and reporting limits are below the LOAEL-based ESLB.	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Background.
SVOCs	Fluoranthene	206-44-0	D6, E2	eD	01 НН	#1,;	#8	82%	227	9,270	122,000	USEPA Region 5 ESL	0%	67%	398,000	Calculated NOAEL-based ESLB for American Robin	0%	0%	1,989,000	Calculated LOAEL-based ESLB for American Robin	0%	0%	There are no exceedances of the US EPA Region 5 ESL of 122,000 ug/kg. Fluoranthene was identified as a Leach Study Analyte and Dow completed further evaluation of those analytes in 2013, which included calculating a NOAEL-based ESLB for the American Robin (398,000 ug/kg). This is the value that was used in the screening comparison. When comparing to the NOEAL-based calculated ESLB for the American Robin, all detected concentrations and reporting limits are less than the calculated ESLB. Further evaluation was completed for Low Molecular Weight (LMW) and High Molecular Weight (HIWV) PAHs (Fluoranthene is a LMW PAH). When concentrations of LMW PAHs are summed together for each sample and compared to the LMW ESLB for mammals (100,000 ug/kg), there are no detected concentrations or RLs that exceed the LMW ESLB. When a LOAEL-based ESLB is calculated for an American Robin, there are no detected concentrations or reporting limits that exceed this calculated ESLB.	Eliminated in 27 June 2014 Eco Working Meeting #3 based on the LMW PAHs totals evaluation.
Metals	Selenium	7782-49-2	D6, E3	eD	D2 HH	#1, #	#11	34%	227	5,720	28	USEPA Region 5 ESL	33%	0%	1,930	Calculated NOAEL-based ESLB for American Robin	2%	0%	4,190	Calculated LOAEL-based ESLB for Northern Cardinal	1%	0%	100% of all detections and reporting limits exceed the MDEQ-recommended ESLB of 28 ug/kg. The maximum detected concentration from selenium was detected off-site in the COM Blinded Sampling effort at F-01 0-1" (5,720 ug/kg). Detected concentrations on-site range from 196-950 ug/kg. Statewide background is 410 ug/kg (mean + 1 std dev). 54 detected results exceed the Statewide background value and are located both on- and off-site. Modified Urban background is 770 ug/kg (mean + 1 std dev). 27 detected results exceed the Modified Urban Background value and only one of those detections is on-site (DOS-1 = 950 ug/kg). Selenium was identified as a Leach Study Analyte and in 2013, Dow completed further evaluation for the Leach Study Analytes, including calculating a NOAEL-based ESLB for the American Robin, which is the screening value used in this comparison. When compared to the calculated NOAEL-based ESLB, only 5 detected results exceed the ESLB were in the COM Blinded Sampling effort at C-02 1-6" (3,540.5 ug/kg) and F-011-1" (5,720 ug/kg). The remaining three detected results that exceed the ESLB were in the 2010 MDEQ sampling effort at the following locations: F1-02 0-1" (2,182.52 ug/kg) F1-02 1-6" (2,409.3 ug/kg), and Ste2-03 1-6" (2,100 ug/kg). When a LOAEL-based ESLB is calculated based on the Northern Cardinal, only 1 detected concentration exceeds the calculated ESLB: F-01 0-1" (5,720 ug/kg) from the COM data set. There are no reporting limits that exceed the calculated ESLB.	Eliminated in 5 September 2014 Meeting based on lines of justification included spatial distribution

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	Human Health Lines of Justification	Eco Lines of Justification	Decision
Metals	Cadmium	7440-43-9	A2	eBKG2	Eco	#2	92%	128	2,800	0%	0%	360	21%	5%	Regional Background	Modified Urban Background	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Modified Urban Background
Metals	Magnesium	7439-95-4	A2	eBKG2	HH, no Eco	#2	100%	155	8,000,000	8%	0%				Regional Background	Modified Urban Background	Eliminated in 27 June 2014 Eco Working Meeting #3 based on Modified Urban Background

Note: There are no analytes in Category 3

										NOAE	L-based ESLB E	aluation	LOAEL-	oased ESLB Eval	uation						
Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	NOAEL- based ESLB ug/kg	Source of NOAEL ESLB	% RLs Exceed NOAEL ESLB		Source of LOAEL ESLB	% RLs Exceed LOAEL ESLB	New Category Assignment	Human Health Lines of Justification	Eco Lines of Justification	Notes - Detection Evaluation	Recommendation	Decision
SVOCs	1,2,3-Trichlorobenzene	87-61-6	В3	eA1	HH, no Eco	99	87	0%	0%	NA			11,100	USEPA Region 5 ESL (Updated)	0%	#1,6	Screen-out by all NDs; all RLs < all Part 201/EPA criteria	Lowest Human Health criteria is < ESLB sampl and screened out of HHRA. This analyte moves from Category 4 to Category 1. ESL. T	B-Trichlorobenzene was only analyzed for in the 2010 Dow oles. The updated US EPA Region 5 ESLs included an ESL for B-trichlorobenzene. All RLs are less than the US EPA Region 5 The ESL is higher than the lowest HH criteria. This analyte meets the Category 1 criteria. Recommend elimination.	Eliminate based on US EPA Region 5 ESL	Eliminate based on 4 September 2014 MDEQ Email
VOCs	cis-1,2-Dichloroethene	156-59-2	В3	eA1	HH, no Eco	51	1,400	0%	0%	NA			8,280	USEPA Region 5 ESL	0%	#1,6	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Not detected; 100% RLs meet the ESLB. sampl Lowest Human Health criteria is < ESLB identi and screened out of HHRA. This analyte moves from Category 4 to Category 1. lowes	L,2-Dichloroethene was included in the 2005 Dow On-Site oling effort and in the 2010 MDEQ samples. Further review tiffied a US EPA Region 5 ESL for cis-1,2-dichloroethene. All RLs ess than the US EPA Region 5 ESL. The ESL is higher than the the HI criteria. This analyte now meets the Category 1 criteria. mmend elimination.	Eliminate based on US EPA Region 5 ESL	Eliminate based on 4 September 2014 MDEQ Email
SVOCs	Chlorpyrifos	2921-88-2	D4, E1	eA1	HH, no Eco	132	130	0%	1%	145	NOAEL American Robin	1%	1,450	LOAEL American Robin	0%	#1,6	Not detected above Part 201/EPA criteria but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Lowest Human Health criteria is < ESLB sampl and screened out of HHRA. This analyte moves from Category 4 to Category 1. based all but LOAEL ug/kg based	rpyrifos was only analyzed for in the 2010 Dow and MDEQ oles. Analyte was eliminated in part because Dow 2010 ole RLs were < HH criteria and 80% of total samples had RLs < ria. There is no ESLB for chlorpyrifos available. A NOAEL- d ESLB was calculated for the American Robin (145 ug/kg) and ut 1 sample have RLs that meet the NOAEL ESLB. When a EL-based ESLB is calculated for the American Robin (1,450 g), all RLs are below this criteria. Recommend elimination d on the NOAEL-based ESLB, which moves this analyte to gory 1.	Eliminate based on the NOAEL- based ESLB	Eliminate based on 4 September 2014 MDEQ Email
svocs	Disulfoton	298-04-4	D4, E1	eAl	HH, no Eco	72	2.7	0%	100%	10.2	NOAEL American Robin	53%	102	LOAEL American Robin	0%	#1,6	Not detected above Part 201/EPA criteria but have elevated RLs for NDs; Eliminated through a review of spatial distribution	Not detected; 100% RLs meet the ESLB. Disulf Lowest Human Health criteria is < ESLB Samp and screened out of HHRA. This analyte moves from Category 4 to Category 1. ESLB for an that n 9.21 u the AL Recor	forton was only analyzed for in the 2006 COM Blinded pling effort. There was no MDEQ criteria and the EPA RSLs e used. For this analyte, the RLs only exceeded the EPA ection of GW SSL and not the Residential Soil RSL. There is no for disulfoton available. A NOAEL-based ESLB was calculated n American Robin (10.2 ug/kg) and 47% of samples have RLs meet the NOAEL-based ESLB. The RLs fall within a range of ug/kg - 24 ug/kg. When a LOAEL-based ESLB is calculated for American Robin (102 ug/kg), all RLs meet the ESLB. memend elimination based on the LOAEL-based ESLB, which result in this analyte moving to Category 1 for elimination.	Eliminate based on the LOAEL- based ESLB	Eliminate based on 4 September 2014 MDEQ Email
SVOCs	Methyl chlorpyrifos	5598-13-0	B3	eA1	HH, no Eco	99	1,700	0%	0%	145	NOAEL American Robin	0%	1,450	LOAEL American Robin	0%	#6	Screen-out by all NDs; all RLs < all Part 201/EPA criteria	Chloropyrifos used as surrogate. Not detected; 100% RLs meet the ESLB. This analyte moves from Category 4 to Category 6. and al	hyl chlorpyrifos was only analyzed for in the 2010 Dow oles. There is no ESLB for methyl chlorpyrifos available. Using	Eliminate based on the NOAEL- based ESLB	Eliminate based on 4 September 2014 MDEQ Email
SVOCs	4-Nitroquinoline-1-oxide	56-57-5	B3	eA1		72				NA			122	USEPA Region 5 ESL	0%	#6	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	This analyte moves from Category 4 to Blinde	troquinoline-1-oxide was only analyzed for in the 2006 COM led Sampling effort. This analyte was not carried forward into 2010 sampling campaign.	Eliminate based on US EPA Region 5 ESL	Eliminate based on 4 September 2014 MDFO Fmail
SVOCs	cis-Nonachlor	5103-73-1	В3	eA1		99				NA			1,400	LANL LOAEL American Robin	0%	#6	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Chlordane used a surrogate. Not cis-Not detected; 100% RLs meet the ESLB. When This analyte moves from Category 4 to (1,450 Category 6. based	ionachior was only analyzed for in the 2010 Dow samples. n compared to the LANL LOAEL ESLB for the American Robin 50 ug/kg), all RLs meet the ESLB. Recommend elimination d on the LANL LOAEL, which will result in this analyte moving ategory 1 for elimination.	Eliminate based on LANL LOAEL American Robin	Eliminate based on 4 September 2014
SVOCs	o,p'-DDD	53-19-0	В3	eA1		99				NA			93	USEPA Eco SSL	0%	#6	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Not detected; 100% RLs meet the ESLB. This analyte moves from Category 4 to	DDD was only analyzed for in the 2010 Dow samples.	Eliminate based on USEPA EcoSSL	Eliminate based on 4 September 2014 MDEQ Email
SVOCs	trans-Nonachlor	39765-80-5	В3	eA1		99				NA			1,400	LANL LOAEL American Robin	0%	#6	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Category 6 Chlordane used as surrogate. Not trans- detected; 100% RLs meet the ESLB. This analyte moves from Category 4 to	s-Nonachlor was only analyzed for in the 2010 Dow samples.	Eliminate based on LANL LOAEL American Robin	Eliminate based on 4 September 2014 MDEQ Email
VOCs	2,2-Dichloropropane	594-20-7	B3	eA1		127				NA			32,700	USEPA Region 5 ESL	0%	#6	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Category 6 1,2-Dichloropropane used as surrogate. 2,2-Di Not detected; 100% RLs meet the ESLB. MDEC This analyte moves from Category 4 to	Dichloropropane was only analyzed for in the 2010 Dow and Q samples.	Eliminate based on US EPA Region 5 ESL	Eliminate based on 4 September 2014 MDEQ Email
Pesticides	Endrin ketone	53494-70-5	83	eA1		56				NA			14	LANL LOAEL Mammals	36%	#9	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	detected; 64% RLs meet the ESLB. This sample analyte moves from Category 4 to sample Category 9. excee 01-02 sample to the	in ketone was only analyzed for in the 2005 Dow On-Site bling effort and in the 2010 MDEQ samples. Out of 56 total bles collected, 20 samples (36%) have reporting limits that ed the ESLB. Of those 20 samples, only 2 of them are off-site: 2 6-12" (18 ug/kg) and B1-01 6-12" (180 ug/kg). Both of these ble locations are associated with an off-site source not related e MAS historical release. The location of this maximum RL is e area where a removal action was completed for the rail spur.	Mammais	Based on 5 September 2014 Eco Working Meeting #5, total endrins will be discussed in the Uncertainty Analysis
VOCs	1,1,2-Trichlorotrifluoroethane	76-13-1	D4, E1	eA1	HH, no Eco	28	1,700	0%	4%	NA						Uncertainty Analysis	Not detected above Part 201/EPA criteria but have elevated RLs for NDs; Eliminated through a review of spatial distribution	not detected; ESLB, TRV or surrogate MDEC not available. The likelihood that it based	Prichlorotrifluoroethane was only analyzed for in the 2010 Q samples. This analyte was also eliminated for HH in part d on 80% of total samples having RLs < criteria and it was only yzed for in the 2010 MDEQ samples with elevated RLs.	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)

										NOAE	L-based ESLB E	aluation	LOAEL-	ased ESLB Eva	aluation			
Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	NOAEL- based ESLB ug/kg	Source of NOAEL ESLB	% RLs Exceed	LOAEL-based	Source of LOAEL ESLB	% RLs Exceed LOAEL ESLB	New Category Assignment	Human Health Lines of Justification Eco Lines of Justification Notes - Detection Evaluation Recommendation	Decision
SVOCs	1,2-Diphenyl-hydrazine	122-66-7	D4, E1	eA1	HH, no Eco	33	0.27	0%	100%	NA						Uncertainty Analysis	Not detected above Part Uncertainty Discussion: Analyte was 201/EPA criteria but have levated RLs for NDs; not available. The likelihood that it might be present at levels of concern is review of spatial distribution by the the analyte is present, the potential risk could be underestimated. 1,2-Diphenyl-hydrazine was only analyzed for in the 2010 MDEQ samples. Analyte was eliminated for HH in part because it was only analyzed for in the 2010 MDEQ samples with elevated RLs. There was no MDEQ criteria and the EPA RSLs were used. For this analyte, the RLs only exceeded the EPA Protection of GW SSL and not the Residential Soil RSL.	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	1,3-Dichloropropane	142-28-9	D4, E1	eA1	HH, no Eco	28	250	0%	50%	NA						Uncertainty Analysis	Not detected above Part 201/EPA criteria but have levated RLs for NDs; Eliminated through a review of spatial distribution Not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is that the analyte is present, the potential risk could be underestimated. Na-Dichloropropane was only analyzed for in the 2010 MDEQ samples. Analyte was eliminated for HH in part because it was only analyzed for in the 2010 MDEQ samples with elevated RLs. There was no MDEQ criteria and the EPA RSLs were used. For this analyte, the RLs only exceeded the EPA Protection of GW SSL and not the Residential Soil RSL.	MDEQ Agrees with addressing this analyte in Uncertainty Analysi: (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	2,6-Dimethylphenol	576-26-1	D4, E1	eA1	HH, no Eco	33	330	0%	97%	NA					-	Uncertainty Analysis	Not detected above Part Uncertainty Discussion: Analyte was 2,6-Dimethylphenol was only analyzed for in the 2010 MDEQ 201/EPA criteria but have not detected; ESLB, TRV or surrogate samples. Eliminated for HH in part because it was an analyte only elevated RLs for NDs; not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the Discuss in Uncertainty An	MDEQ Agrees with addressing this analyte in Uncertainty Analysi (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	2-Propanol	67-63-0	D4, E1	eA1	HH, no Eco	28	9,400	0%	82%	NA						Uncertainty Analysis	Not detected above Part Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is review of spatial considered low. However, in the event that the analyte is present, the potential risk could be underestimated.	MDEQ Agrees with addressing this analyte in Uncertainty Analysi (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Ethyl ether	60-29-7	D4, E1	eA1	HH, no Eco	51	200	0%	55%	NA						Uncertainty Analysis	Not detected above Part Uncertainty Discussion: Analyte was Ethyl ether was only analyzed for in the 2005 Dow On-Site 201/EPA criteria but have not detected; ESLB, TRV or surrogate Ethyl ether was only analyzed for in the 2005 Dow On-Site elevated RLs for NDs; not available. The likelihood that it Ethyl ether was only analyzed for in the 2005/2006 RLs < criteria and	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Ethylene oxide	75-21-8	D4, E1	eA1	HH, no Eco	28	0.0091	0%	100%	NA		-				Uncertainty Analysis	Not detected above Part Uncertainty Discussion: Analyte was Ethylene oxide was only analyzed for in the 2010 MDEQ samples. 201/EPA criteria but have not detected; ESLB, TRV or surrogate Ethylene oxide was only analyzed for in the 2010 MDEQ samples. elevated RLs for NDs; not available. The likelihood that it analyzed for in the 2010 MDEQ samples with elevated RLs. There Eliminated through a might be present at levels of concern is was no MDEQ criteria and the EPA RSLs were used. considered low. However, in the event that the analyte is present, the Discuss in Uncertainty An	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	Pentochlorethane	76-01-7	D4, E1	eA1	HH, no Eco	72	0.36	0%	100%	NA						Uncertainty Analysis	Not detected above Part 201/EPA criteria but have elevated RLs for NDs; Eliminated through a review of spatial distribution Not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is the analyte is present, the potential risk could be underestimated. Pentochlorethane was only analyzed for in the 2006 COM Blinded Sampling effort. This analyte was eliminated for HH in part because it was a 2005/2006 analyte that was eliminated from all 2010 sampling. Additionally, there was no MDEQ criteria and the EPA RSLS were used. For this analyte, the RLs only exceeded the that the analyte is present, the potential risk could be underestimated.	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	trans-1,4-Dichloro-2-butene	110-57-6	D4, E1	eA1	HH, no Eco	123	0.00054	0%	100%	NA		-	-			Uncertainty Analysis	Not detected above Part Uncertainty Discussion: Analyte was trans-1,4-Dichloro-2-butene was analyzed for in the 2005 Dow On- 201/EPA criteria but have not detected; ESLB, TRV or surrogate trans-1,4-Dichloro-2-butene was analyzed for in the 2005 Dow On- 201/EPA criteria but have not available. The likelihood that it site sampling effort, the COM Blinded Sampling effort and in the 201/EPA criteria but have might be present at levels of concern is RSLs were used. considered low. However, in the event that the analyte is present, the Discuss in Uncertainty An	MDEQ Agrees with addressing this analyte in Uncertainty Analysi (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
Pesticides	Tris(2,3- dibromopropyl)phosphate	126-72-7	D4, E1	eA1	HH, no Eco	33	930	0%	18%	NA		-				Uncertainty Analysis	Not detected above Part Uncertainty Discussion: Analyte was Tris(2,3-dibromopropyl)phosphate was only analyzed for in the 201/EPA criteria but have not detected; ESLB, TRV or surrogate 2010 MDEQ samples. This analyte was also eliminated for HH in elevated RLs for NDs; not available. The likelihood that it part based on 80% of total samples having RLs < criteria and it was	MDEQ Agrees with addressing this analyte in Uncertainty Analysi (4 September 2014 MDEQ Email and 5 September 2014 Meeting)

										NOA	EL-based ESLB E	valuation	LOAEL-	based ESLB Eva	luation					
Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	NOAEL- based ESLB ug/kg	Source of NOAEL ESLB	% RLs Exceed NOAEL ESLB		Source of LOAEL ESLB	% RLs Exceed LOAEL ESLB	New Category Assignment	Human Health Lines of Justification Eco Lines of Justification	Notes - Detection Evaluation	Recommendation	Decision
SVOCs	(E)-alpha,beta-2,3,4,5,6- Heptachlorostyrene	29086-38-2	B3	eA1		99				NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	t	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis 4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	(E)-beta-2,3,4,5,6- Hexachlorostyrene	90301-92-1	B3	eA1		99				NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated	t	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	(Z)-alpha,beta-2,3,4,5,6- Heptachlorostyrene	29086-39-3	B3	eA1		99				NA						Uncertainty Analysis	Screen-out by all NDs; all Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated	t	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	(Z)-beta-2,3,4,5,6- Hexachlorostyrene	90301-93-2	B3	eA1	-	99				NA			-			Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria Not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated	t	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis ⁵ (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	2,3,4,5,6-Pentachlorostyrene	14992-81-5	B3	eA1		99				NA						Uncertainty Analysis	Screen-out by all NDs; all Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated	t	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis 5 (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	4-Chlorotoluene	106-43-4	B3	eA1	HH, no Eco	127	2,500	0%	0%	NA			-			Uncertainty Analysis	Screen-out by all NDs; all RLS ≤ all Part 201/EPA criteria Not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated	t	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysi 5 (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	4-tert-Butylphenol	98-54-4	B3	eA1		99				NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria Not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated	t	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis 5 (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	alpha-2,3,4,5,6- Hexachlorostyrene	68705-15-7	B3	eA1		99				NA		-				Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated	t	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis 5 (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	Benzyl dichloride	98-87-3	B3	eA1		33				NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	t	S. Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)

Table 5-8

Ecological Screening Results - Category 4 Part II - Remedial Investigation Report

The Dow Chemical Company, Michigan Operations

											L-based ESLB E	valuation		based ESLB Eva							
Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	NOAEL- based ESLB ug/kg	Source of NOAEL ESLB		LOAEL-based		% RLs Exceed LOAEL ESLB	New Category Assignment	Human Health Lines of Justification	Eco Lines of Justification	Notes - Detection Evaluation	Recommendation	Decision
SVOCs	beta,beta-2,3,4,5,6- Heptachlorostyrene	29082-75-5	B3	eA1		99				NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the ever that the analyte is present, the potential risk could be underestimated	it	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	Bisphenol-A	80-05-7	B3	eA1	HH, no Eco	99	140,000	0%	0%	NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the ever that the analyte is present, the potential risk could be underestimated	ıt	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Bromobenzene	108-86-1	B3	eA1	HH, no Eco	51	550	0%	0%	NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern considered low. However, in the ever that the analyte is present, the potential risk could be underestimated	ıt	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	Caprolactam	105-60-2	83	eAl	HH, no Eco	33	120,000	0%	0%	NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern considered low. However, in the ever that the analyte is present, the potential risk could be underestimated	ıt	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Chlorobromomethane	74-97-5	B3	eA1		51				NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern considered low. However, in the ever that the analyte is present, the potential risk could be underestimated	it	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Chloroethane	75-00-3	83	eA1	HH, no Eco	123	8,600	0%	0%	NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern considered low. However, in the ever that the analyte is present, the potential risk could be underestimated	it	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Cyclohexanone	108-94-1	83	eA1	HH, no Eco	28	17,000	0%	0%	NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern considered low. However, in the ever that the analyte is present, the potential risk could be underestimated	ıt	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	Ethyl methanesulfonate	62-50-0	B3	eA1		72				NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern considered low. However, in the ever that the analyte is present, the potential risk could be underestimated	it	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	Hexachloropropene	1888-71-7	B3	eA1		72				NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern considered low. However, in the ever that the analyte is present, the potential risk could be underestimated	it	d Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)

										NOAE	EL-based ESLB E	valuation	LOAEL-	based ESLB Eval	uation						
Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	NOAEL- based ESLB ug/kg	Source of NOAEL ESLB		LOAEL-based	Source of LOAEL ESLB	% RLs Exceed LOAEL ESLB	New Category Assignment	Human Health Lines of Justification	Eco Lines of Justification	Notes - Detection Evaluation	Recommendation	Decision
VOCs	n-Butanol	71-36-3	Β3	eA1	HH, no Eco	28	19,000	0%	0%	NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the even that the analyte is present, the potential risk could be underestimated		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis 4 (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	Ronnel	299-84-3	B3	eA1	HH, no Eco	99	17,000	0%	0%	NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the even that the analyte is present, the potential risk could be underestimated		Discuss in Uncertainty Analysi:	MDEQ Agrees with addressing this analyte in Uncertainty Analysis S (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Trihalomethanes, Total	STL00209	B3	eA1		28				NA						Uncertainty Analysis	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the even that the analyte is present, the potential risk could be underestimated		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis S (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	2-Chloroethyl vinyl ether	110-75-8	B1	eA1	HH, no Eco	28	1,900,000	0%	0%	NA						Uncertainty Analysis	Screen-out by all NDs; RL met MDEQ target detection levels	S Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the even that the analyte is present, the potential risk could be underestimated		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis S (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	4,4'-Methylene bis(2- chloroaniline)	101-14-4	B1	eA1	HH, no Eco	33	6,800	0%	0%	NA						Uncertainty Analysis	Screen-out by all NDs; RL met MDEQ target detection levels	S Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the even that the analyte is present, the potential risk could be underestimated		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis S (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Ethyl tert-Butyl Ether	637-92-3	B1	eA1	HH, no Eco	99	980	0%	0%	NA						Uncertainty Analysis	Screen-out by all NDs; RI met MDEQ target detection levels	S Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the even that the analyte is present, the potential risk could be underestimated		Discuss in Uncertainty Analysi	MDEQ Agrees with addressing this analyte in Uncertainty Analysis S (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Isopropyl Ether	108-20-3	B1	eA1	HH, no Eco	99	600	0%	0%	NA						Uncertainty Analysis	Screen-out by all NDs; RI met MDEQ target detection levels	S Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the even that the analyte is present, the potential risk could be underestimated	t	Discuss in Uncertainty Analysi	MDEQ Agrees with addressing this analyte in Uncertainty Analysis S (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	Methyl-t-butyl ether	1634-04-4	B1	eA1	HH, no Eco	23	800	0%	0%	NA						Uncertainty Analysis	Screen-out by all NDs; RL met MDEQ target detection levels	S Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the even that the analyte is present, the potential risk could be underestimated	t	Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
VOCs	t-Butanol	75-65-0	B1	eA1	HH, no Eco	99	78,000	0%	0%	NA		-	-			Uncertainty Analysis	Screen-out by all NDs; RI met MDEQ target detection levels	S Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i: considered low. However, in the even that the analyte is present, the potential risk could be underestimated	t	Discuss in Uncertainty Analysi:	MDEQ Agrees with addressing this analyte in Uncertainty Analysis s (4 September 2014 MDEQ Email and 5 September 2014 Meeting)

										NOAE	L-based ESLB Ev	aluation	LOAEL	-based ESLB Eva	aluation						
Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	NOAEL- based ESLB ug/kg	Source of NOAEL ESLB	% RLs Exceed NOAEL ESLB	LOAEL-based ESLB ug/kg	Source of LOAEL ESLB	% RLs Exceed LOAEL ESLB	New Category Assignment	Human Health Lines of Justification	Eco Lines of Justification	Notes - Detection Evaluation	Recommendation	Decision
VOCs	tert-Amyl Methyl Ether	994-05-8	81	eA1	HH, no Eco	99	3,900	0%	0%	NA						Uncertainty Analysis	Screen-out by all NDs; RL met MDEQ target detection levels	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis ⁵ (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCS	bis(2-Chloroisopropyl)ether	39638-32-9	B2	eA1		23				NA						Uncertainty Analysis	Screen-out by off-site NDs; RLs met MDEQ target detection levels	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated			MDEQ Agrees with addressing this analyte in Uncertainty Analysis ⁵ (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	Hexabromobenzene	87-82-1	B2	eA1	HH, no Eco	8	5,400	0%	0%	NA			-			Uncertainty Analysis	Screen-out by off-site NDs; RLs met MDEQ target detection levels	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated		Discuss in Uncertainty Analysis	MDEQ Agrees with addressing this analyte in Uncertainty Analysis ⁵ (4 September 2014 MDEQ Email and 5 September 2014 Meeting)
SVOCs	Hexabromobiphenyl	HEX - varies	B2	eA1	HH, no Eco	8	1,200	0%	0%	NA						Uncertainty Analysis	Screen-out by off-site NDs; RLs met MDEQ target detection levels	Uncertainty Discussion: Analyte was not detected; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern i considered low. However, in the even that the analyte is present, the potential risk could be underestimated			MDEQ Agrees with addressing this analyte in Uncertainty Analysis 4 September 2014 MDEQ Email and 5 September 2014 Meeting)

														NOA	EL-based ESLB Eva	aluation			LOAEL-based		'n	1							
Analyte Group	Analyte	CAS Number Scr	reened Out HH	Screened Ou Eco	t Lower criter	ia FWS Ema	ail Frequenc				% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	NOAEL-based ESLB ug/kg		% Detects Exceed NOAEL	% RLs	Max Detected Off-site (ug/kg)	LOAEL- based ESLB (ug/kg)	Source of	% Detects Exceed LOAEL ESLB	% RLs Exceed	Max Detected Off-site (ug/kg)		New Category Assignment	Human Health Lines of Justification	Eco Lines of Justification	Notes - Detection Evaluation	Recommendation	Decision
VOCs	2-Chlorotoluene	95-49-8	D2	eA2	HH, no Eco	o #5	1%	1	12	7 3,300	0%	0%	9,955	NOAEL American Robin	0%	0%	143.5	100,000	LOAEL American Robin	0%	0%	143.5	0.001	#1,7	All results meet HHRA criteria	Detected in only 1 sample out of 127 total samples collected; All detects < ESLB; 1008; RLs meet ESLB. Lowest Human Health criteria is < ESLB and screened out of HHRA. This analyte moves from Category 5 to Category 1.	2-Chlorotoluene was detected in only 1 sample out of 127 total samples collected. The one off-site sample was from the 2010 Dow sampling effort (F1-01 at a concentration of 143.5 ug/kg). There have been no onsite samples analyzed for 2-chlorotoluene. There is no ESLB. When a NOAEL-based ESLB is calculated, all detected concentrations and RLs are least than the NOAEL-based ESLB. Recommend elimination based on the NOAEL-based ESLB evaluation. When a LOAEL-based ESLB is calculated, all RLs meet the value. Screening HQ based on the LOAEL is 0.001.	based on NOAEL-based ESLB	Eliminated based on 4 3. September 2014 MDEQ Email
SVOCs	Propachlor	1918-16-7	D2	eA2	HH, no Ecc	o #5	1%	1	99	1,900	0%	0%	691	NOAEL Northern Cardinal	0%	0%	16.66	6,910	LOAEL Northern Cardinal	0%	0%	16.66	0.002	#1,7	All results meet HHRA criteria	samples collected; All detects < ESLB; 100% RLs meet ESLB. Lowest Human	Propachlor was only detected in 1 sample out of 99 total samples collected. This 1 sample was from the 2010 Dow sampling effort (FI-01 at 16.166 ug/kg). Three have been no on-site samples analyzed for ut propachlor. There is no ESLB for propachlor. When a NOAEL-based ESLB is calculated for Propachlor, all detected concentrations and RLs are less than the NOAEL-based value. Recommend elimination based on the NOAEL-based ESLB. When a LOAEL-based ESLB is calculated, the detected result and the RLs all meet this level. The LOAEL-based screening HQ Is 0.002.	3	Eliminated based on 4 3. September 2014 MDEQ Email
Pesticides	Azobenzene	103-33-3	D2	eA2	HH, no Eco	o #5	4%	2	56	4,200	0%	0%	1,574	NOAEL American Robin	0%	4%	No off-site detections	15,700	LOAEL American Robin	0%	0%	No off-site detections		#1,7	All results meet HHRA criteria	Detected in 2 samples out of 56 total samples collected; All detects < ESLB; 100% RLs meet ESLB. Lowest Human Health criteria is < ESLB and screened 0 of HHRA. This analyte moves from Category 5 to Category 1.	Azoberzene was detected in 2 samples out of 56 total samples. Both detections were on-site in DOS-22 and DOS-8. There is no ESLB for azoberzene. When a NOAEL-based ESLB is calculated, both detections ut and 96% of RLs are less than this value. The 2 RLs that exceed the NOAEL-based ESLB are located on-site at DOS-17 and DOS-20. Recommend elimination based on NOAEL-based ESLB. When a LOAEL- based ESLB is calculated, both detections and IRLs are less than this LOAEL-based value. Azobenzene was never detected off-site.	Recommend elimination based on detection frequency and NOAEL-based ESLB.	Eliminated based on 4 September 2014 d MDEQ Email
SVOCs	1,3,5-Trimethylbenzene	108-67-8	D2	eA2	HH, no Ecc) #5	4%	2	51	1,100	0%	0%	12,912	NOAEL American Robin	0%	0%	74	129,000	LOAEL American Robin	0%	0%	74	0.0006	#1,7	All results meet HHRA criteria	Detected in 2 samples out of 51 total samples collected; All detects < ESLB; 100% RLs meet ESLB. Lowest Human Health criteria is < ESLB and screened o of HHRA. This analyte moves from Category 5 to Category 1.	1,3,5-rimethylbenzene was detected 2 times out of 51 total samples. It was detected one time on-site in DOS-2 (81 ug/kg) and one time off-site at 81-01 (74 ug/kg). B1-01 is a sample location associated with an off-tit site source not related to the MAS historical release. There are no other off-site detections. There is no ESLB available for 1,3,5-trimethylbenzene. When a NOAEL-based ESLB is calculated, both detections and all RLs are less than this value. Recommend elimination based on the NOAEL-based ESLB. When a NOAEL-based ESLB is calculated, both detected concentrations and all of the RLs are less than this LOAEL-based value. The LOAEL-based screening HQ is 0.0006.	based on NOAEL-based ESLB	Eliminated based on 4 3. September 2014 MDEQ Email
VOCs	Cresol, Total	MEPH1314	D4, E1	eA2	HH, no Ecc	o #5	33%	75	22	7 1,000	0%	16%	675	NOAEL Northern Cardinal	0%	27%	237	6,750	LOAEL Northern Cardinal	0%	0.4%	237	0.04	#1,7		samples collected; All detects < ESLB; 99.6% RLs meet ESLB. Lowest Human	Total cresol was detected in 75 of 227 total samples. All of the detections occurred off-site. It was detected in 3 of the 2010 Dow samples and all remaining detections were in the 2006 COM Blinded ut Sampling effort. The maximum detected off-site concentration was found at 11-02 1-6" (227 ug/kg). It was not detected on-site. There is no ESLB for total cresol. When a NOAEL-based ESLB is calculated, all detections and 73% of RLs are less than this level, all originating from the 2006 COM data set demonstrating adequate off-site sampling density to demonstrate that total cresol is not a COC. The 27% of RLs that exceed the NOAEL-based ESLB is calculated, all detections and all RLs, with one exception of the maximum reporting limit (on-site at DOS-20 at 8,200 ug/kg), meeting this LOAEL-based ESLB. The LOAEL- based SLSM are 0.4.	1	Eliminated based on 4 . September 2014 MDEQ Email
SVOCs	o-Phenylphenol	90-43-7	D3	eA2	HH, no Eco	o #5	6%	6	99	470	0%	0%	452,119	NOAEL Northern Cardinal	0%	0%	215	2,261,000	LOAEL Northern Cardinal	0%	0%	215	0.0005	#1,8	All results meet HHRA criteria	No detects or RLs exceed the ESLB. Lowest Human Health criteria is < ESLB and screened out of HHAA. This analyti moves from Category 5 to Category 1.	been analyzed for this constituent. The off-site maximum detected	based on NOAEL-based ESLB	Eliminated based on 4 8. September 2014 MDEQ Email
VOCs	lsopropylbenzene	98-82-8	D3	eA2	HH, no Eco	o #5	8%	4	52	3,200	0%	0%	406	NOAEL American Robin	0%	6%	No off-site detections	4,060	LOAEL American Robin	0%	0%	No off-site detections	NA	#1,8	All results meet HHRA criteria	No detects or RLs exceed the ESLB. Lowest Human Health criteria is < ESLB and screened out of HHRA. This analyti moves from Category 5 to Category 1.	DOS-21. There were no detections off-site. There is no ESLB for	detections and NOAEL-based ESLB.	Eliminated based on 4 September 2014 d MDEQ Email
SVOCs	1,2,4-Trimethylbenzene	95-63-6	D3	eA2	HH, no Eco	o #5	18%	9	51	. 570	0%	0%	8,714	NOAEL American Robin	0%	0%	250	87,100	LOAEL American Robin	0%	0%	250	0.003	#1,8	All results meet HHRA criteria		1,2,4-Trimethylbenzene was detected in 9 out of 51 total samples. It was detected in 6 on-site samples: DOS-1, DOS-2, DOS-12, DOS-14, DOS-20, and DOS-21; and 3 detections were off-site at B1-016 12° (250 ug/kg), B1-03 1-6° (80 ug/kg), 01-02 6-12° (54 ug/kg). The off-site detections are found at sample locations associated with an off-site source not related to the MAS historical release. There is no ESLB for 1,2,4-Trimethylbenzene. When a NOAEL based ESLB is calculated, all detected concentrations and RLs are less than this value. Recommend ellimination based on the NOAEL based ESLB. When a LOAEL-based ESLB is calculated, J00% of detected concentrations and RLs are down and RLs meet this value. The LOAEL-based screening HQ is less than 1 (0.003).	based on NOAEL-based ESLB	
VOCs	Dibenzofuran	132-64-9	D6, E1	eA2	HH, no Ecc) #5	43%	24	22	7 1,700	0.4%	0.4%	2,134	NOAEL American Robin	0%	0%	240	21,300	LOAEL American Robin	0%	0%	240	0.01	#1,8	Dibenzofuran was eliminated based on a review of spatial distribution.		Dibenzofuran was detected in 24 samples out of 227 total samples. 7 of the detections occurred on-site with concentrations ranging from 15 ug/kg - 1,800 ug/kg (this one detection at DOS-20 was an order of magnitude greater than the nex highest detection of 570 at DOS-20. The remainder of the detections were off-site with concentrations ranging from 8.47 to 240 ug/kg. The maximum detected off-site concentration (240 ug/kg) was located at B1-02 1-6° from the 2010 Dow sampling effort. Many of the off-site detections were from sample locations at areas with known off-site issues, including: B1, C-02, H-02, O-01, W-03, A2, F1, and D1. The maximum detected concentration from a sample that is not associated with a known off-site issue is 69 ug/kg from Site2- 02 0-6°. There is no ESLB for dibenzofuran. When a NOAEL-based ESLB is calculated, 100% of detected concentrations and RLs are less than this value. When a LOAEL-based ESLB is calculated, all detected concentrations and RLs meet this value. Recommend eliminate based or the NOAEL-based ESLB.	e	Eliminated based on 4 September 2014 MDEQ Email

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Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	a FWS Email	Detection Frequency	No. Samples Detected	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	NOAEL-based ESLB ug/kg	Source of	% Detects	% PLc	Max Detected Off-site (ug/kg)	LOAEL- based ESLB (ug/kg)		% Detects Exceed LOAEL ESLB	% RLs Exceed	Max Detected Off-site (ug/kg)		New Category Assignment	Human Health Lines of Justification	Eco Lines of Justification	Notes - Detection Evaluation	Recommendation	Decision
VOCs	Molybdenum	7439-98-7	D6, E1	eA2	HH, no Eco	#5	61%	30	56	1,500	2%	39%	71,073	NOAEL Northern Cardinal	0%	0%	2000		LOAEL Northern Cardinal	0%	0%	2000	0.01	#1,8	Molybdenum was eliminated based on a review of spatial distribution.	No detects or RLs exceed the ESLB. Lowest Human Health criteria is < ESLB and screened out of HHAR. This analyte moves from Category 5 to Category 1.	were off-site and ranged in concentration from 96 - 2,000 ug/kg. The	15	Eliminated based on 4 September 2014 MDEQ Email
SVOCs	Lithium	7439-93-2	D6, E2	eA2	HH, no Eco	#5	100%	155	155	3,400	72%	0%	38,640	NOAEL American Robin	0%	0%	16569	386,000 ,	LOAEL American Robin	0%	0%	16569	0.04	#1,8	Lithium was eliminated based on the results of th site-specific leach study.	No detects or RLs exceed the ESLB. Lowest Human Health criteria is < ESLB and screened out of HHAR. This analyte moves from Category 5 to Category 1.			Eliminated based on 4 September 2014 MDEQ Email
SVOCs	Endosulfan, Total	115-29-7	D3	eA2	HH, no Eco	#5	59%	75	128	1,400,000	0%	0%					42	150,000	LANL (American Robin)	0%	0%	42	0.0003	#1,8	All results meet HHRA criteria	No detects or RLs exceed the ESLB. Lowest Human Health criteria is < ESLB and screened out of HHRA. This analyte moves from Category 5 to Category 1.		Eliminate based on comparison to LANL American Robin criteria and totals evaluation	Eliminated based on 4 September 2014 MDEQ Email
Metals	Strontium	7440-24-6	D6, E2	eA2	HH, no Eco	#5	100%	155	155	92,000	8%	0%	-	-	-		190000	960,000	LANL (Deer Mouse)	0%	0%	190000	0.2	#1,8		No detects or RLs exceed the ESLB. Lowest Human Health criteria is < ESLB and screened out of HHRA. This analyte moves from Category 5 to Category 1.	13) - 181, 000 ug/kg (DOS-18). Off-site detected concentrations ranged	S- comparison to LANL Deer Mouse criteria and USGS Background	Eliminated based on 5 September 2014 meeting based on USGS background.
Metals	Carbazole	86-74-8	D3	eA2	HH, no Eco	#5	17%	23	132	1,100	0%	0%					343	800,000	LANL (Deer Mouse)	0%	0%	343	0.0004	#1,8	All results meet HHRA criteria	No detects or RLs exceed the ESLB. Lowest Human Health criteria is < ESLB and screened out of HHRA. This analyte moves from Category 5 to Category 1.	detections were in the 2010 Dow data set and 1 was in the 2010 MDEQ data set. The maximum detected off-site concentration was located at	comparison to LANL Deer	Eliminated based on 4 September 2014 MDEQ Email
vocs	Mirex	2385-85-5	D2	eA2	HH, no Eco	#5	4%	2	56	9,600	0%	0%	66	NOAEL American Robin	0%	5%	No off-site detections	330 ,	LOAEL American Robin	0%	0%	No off-site detections		#7	All results meet HHRA criteria	Detected in 2 samples out of 56 total samples collected; Al detects < ESLB; 100% RLs memple move from Category 5 to Category 7.	At no 1 < C 1/32 unhal Mirex was only detected in 2 samples out of 56 total samples. The two detections were on-site at DOS-1 and DOS-2. There is no ESLB for mirex When a NOACH-based ESLB is calculated, all detected concentrations an 95% of RLs are less than this value. The three RLs that exceed the NOAE based value are found on-site (DOS-17, OOS-20) and one off-site location (B1-01), which is associated with off-site source not related to the MAS historical release. When a LOAEL-based ESLB is calculated, all detected concentrations and RLs are less than this value. Recommend eliminate based on no-off-site detections and NOAEL-based ESLB.	 detected off-site and the NOAEL-based ESLB n 	Eliminated based on 4 September 2014 MDEQ Email
VOCs	1,1-Dichloropropene	563-58-6	C1, E1	eA2		#5	1%	1	127		-		3,136	NOAEL American Robin	0%	0%	9	31,400 ^L	LOAEL Northern Cardinal	0%	0%	9	0.0003	#7		e. Detected in 1 sample out of 127 total samples collected; All detects < 55LB; 100% RLs meet ESLB. This analyte move from Category 5 to Category 7.	1.1-Dichloropropene was only detected 1 time in 127 total samples. It was detected off-site at 01-03 6-12° at a concentration of 9 ug/kg. It was not detected on-site. There is no ESB for 1.1-dichloropropene. When a NOAEL-based ESB is calculated, the one detected concentration and all RLs are less than this value. When a LOAEL-based ESB is calculated, the one detected concentration and all RLs are less than the value. Recommend elimination based on NOAEL-based ESLB and detection frequency.	frequency and NOAEL-based ESLB n	
VOCS	Benzoic acid	65-85-0	D3	eA2	HH, no Eco	#5	15%	5	33	640,000	0%	0%	8,680	NOAEL American Robin	0%	0%	1500	86,800 ,	LOAEL American Robin	0%	0%	1500	0.02	#8	All results meet HHRA criteria	No detects or RLs exceed the ESLB. This analyte moves from Category 5 to Category 8.	Benzoic acid was detected in 5 samples out of 33 total samples. It was only analyzed for in the MDEQ 2010 samples and all 5 detections were off-site (1a-02 1-6", 11a-02, 0-102, Site 1-13). The maximum detected off-site concentration was found at 11a-02 6-12" (1,500 ug/kg). There is no ESLB for benzoic acid. When a NOAEL-based ESLB is calculated, all detections and reporting limits are less than this value. When a LOAEL-based ESLB is calculated, all detections and reporting limits are below this value. Recommend elimination based on the NOAEL-based ESLB.	based ESLB	Eliminated based on 4 September 2014 MDEQ Email
Metals	Tetrahydrofuran	109-99-9	D3	eA2	HH, no Eco	#5	16%	8	51	1,900	0%	0%	180	NOAEL Northern Cardinal	0%	55%	No off-site detections	1,800	LOAEL Northern Cardinal	0%	2%	No off-site detections	NA	#8	All results meet HHRA criteria	No detects exceed the ESLB; 98% RLs meet ESLB. This analyte moves from Category 5 to Category 8.	Tetrahydrofuran was detected in 8 samples of the 51 total samples. All detections were on the at OOS-1, DOS-2, DOS-3, DOS-4, DOS-6, DOS-6, DOS-7, and DOS-8. It was not detected off-site. There is no ESLB for tetrahydrofuran. If a NOAEL-based ESLB is calculated, all detected concentrations and 45% of R1s are less than this value. The on-site data set had RLs that were less than the NOAEL-based value but the 2010 MDFQ data set RLs all exceed the NOAEL If a LOAEL-based ESLB is calculated, all detected concentrations are less than this value. The off is 1,800 ug/Rg and the lowest human health criteria is 1,900 ug/Rg. Tetrahydrofuran was eliminated because all detected concentrations an RLs met the lowest human health criteria is L900 ug/Rg.	based ESLB	Eliminated based on 4 September 2014 MDEQ Email
Pesticides	1,2,3-Trimethylbenzene	526-73-8	C2, E1	eA2		#5	13%	13	99				8,379	NOAEL American Robin	0%	0%	45	83,800 ,	LOAEL American Robin	0%	0%	45	0.001	#8	Eliminated on 10/6/11 Co call	No detects or RLs exceed the ESLB. This analyte moves from Category 5 to Category 8.	1,2,3-Trimethylbenzene was only detected in 13 of 99 total samples. Th detections were off-site. The detected concentrations ranged from 5-43 ug/kg. The maximum detected concentration was found at A-20 E-12" There is no ESLB for 1,2,3-trimethylbenzene. When a NOAEL-based ESLE is calculated, all detected concentrations and RLs are less than the NOAEL-based value. When a LOAEL-based ESLB is calculated, all detected concentrations and RLs are less than the LOAEL-based value. Recommend elimination based on NOAEL-based value.	5 distribution and NOAEL- . based ESLB.	Eliminated based on 4 September 2014 MDEQ Email

	NOAEL-based ESLB Evaluation LOAEL-based ESLB Evaluation																												
Analyte Group	Analyte	CAS Number S	creened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	No. Samples Detected	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	NOAEL-based ESLB ug/kg	Source of	% Detects Exceed NOAEL	% Ris	Max Detected Off-site (ug/kg)	LOAEL- based ESLB (ug/kg)		% Detects Exceed LOAEL ESLB	% RLs Exceed LOAEL ESLB			New Category Assignment	Human Health Lines of Justification	Eco Lines of Justification	Notes - Detection Evaluation	Recommendation	Decision
Metals	p-lsopropyltoluene	99-87-6	C2, E1	eA2		#5	17%	4	23				874	NOAEL American Robin	0%	0%	No off-site detections	8,740	LOAEL American Robin	0%	0%	No off-site detections	NA	#8	Four scattered detections on-site, not sampled off- site. Eliminated on 7/8/11 Con call.	analyte moves from Category 5 to	p-isopropyltoluene was only detected in 4 of 23 total on-site samples. The four detections include DOS-1 (8 & ug/kg), DOS-2 (53 ug/kg), DOS-7 (37 ug/kg), and DOS-20 (52 ug/kg). This analyte was not included in the 2010 sampling campaign. There is no ESLB for p-isopropyltoluene. When a NOAE-Lbased ESLB is calculated, all detected concentrations and RLs are less than the NOAEL-based value. When a LOAEL-based ESLB is calculated, all detections and RLs are less than this value. Recommend elimination based on the NOAEL-based SLB.	distribution and NOAEL- based ESLB.	Eliminated based on 4 September 2014 MDEQ Email
SVOCs	Titanium	7440-32-6	C2, E1	eA2	*	#5	100%	23	23	-			4,072	NOAEL American Robin	100%	0%	No off-site detections	40,700	LOAEL American Robin	100%	0%	No off-site detections	NA	#8		titanium. It was eliminated based on	r Trianium was detected in all of the 23 samples collected on-site. There is no off-site data. This analyte was not carried forward into the 2010 sampling campaign. There is on SEM for trianium. When a NOAEL-based SLB and a LOAEL-based SLB are calculated, all detections exceed both values. For the human health pathway, there was no criteria for human health and titanium was eliminated based on spatial distribution and even though it was detected in 100% of the on-site samples, it was not included in the TAL for the 2010 samples for either Dow or MDEQ. The USGS background value for all data (Mean + 1SD) is 2,198,000 ug/kg. There are no detected concentrations that exceed this background value. Recommend elimination based on the USGS Background Value.	distribution and USGS Background.	Eliminated based on S September 2014 meeting based on USGS background.
Metals	Aluminum	7429-90-5	D6, E1	eA2	HH, no Eco	#5	100%	155	155	1,000	100%	0%		-	-					-	-	-	-	#8			Aluminum was detected in all 155 samples (100% detection frequency). d It was detected on-site at concentrations ranging from 1,270,000 ug/kg (DOS-19) - 14,200,000 ug/kg (DOS-1). It was detected off-site at concentrations ranging from 416,874 ug/kg (G1-02 6-12") - 12,000,000 ug/kg (D1-01 1-6"). Statewide Background is 1,670,000 ug/kg (man + 1 std dev) and Modified Urban Background is 1,673,000 ug/kg (man + 1 std dev). While 11 off-site concentrations exceed the Statewide Background value, only 1 off-site detected concentration exceeds the Modified Urban Background (12,000,000 ug/kg at 01-01 1-6"). Sample location 01 is the location of a known off-site issue. Recommend elimination based on background evaluation.	background evaluation.	Eliminated in 21 August 2014 meeting based on Spatial Distribution and Review of Background
Metals	Sodium	7440-23-5	D3	eA2	HH, no Eco	#5	61%	34	56	2,500,000	0%	0%		-				Nutrient		-	-	-	-	Uncert	All results meet HHRA criteria	above naturally occurring levels), and (3 toxic only at very high doses need not be considered further in the quantitative ris assessment. Examples of such chemicals	Sodium was detected in 34 of 56 total samples. It was detected in 10 on- site samples at concentrations ranging from 42,000 to 1,940,000 ug/kg. (It was detected in 24 off-site samples at concentrations ranging from 72,000 - 220,000 ug/kg. The maximum off-site detected concentration occurred at 18-10 -12/2 (2000 0ug/kg). The highest concentrations are k found at sample locations with known off-site issues (al),11a, F1, etc). The highest concentration at the remaining off-site sample locations is at 5 (site 2-02 - 01*1(55,000 ug/kg). Recommend elimination based on it being an essential nutrient and it will be discussed in the Uncertainty Section.	in Uncertainty Section and Eliminate. re	
Metals	Potassium	7440-09-7	C2, E1	eA2		#5	91%	21	23					-				Nutrient					-	Uncert	Compound not necessarily of concern for human health; Eliminated on 7/8/11 Con call.	human nutrients, (2) present at low concentrations (i.e., only slightly elevate above naturally occurring levels), and (3 toxic only at very high doses need not be		in Uncertainty Section and Eliminate.	
Metals	Calcium	7440-70-2	C2, E1	eA2		#5	100%	23	23	NA				-				Nutrient					-	Uncert	Calcium was eliminated based on a review of spati distribution.		.k	 Essential Nutrient - Discuss in Uncertainty Section and Eliminate. 	
Metals	Iron	7439-89-6	D6, E1	eA2	HH, no Eco	#5	100%	56	56	6,000	100%	0%						Nutrient		-	-			Uncert	Iron was eliminated based on a review of spatial distribution.		from 2,100,000 ug/kg (G1-03 6-12") - 14,000,000 ug/kg (O1-02 6-12"). Statewide background (mean + 1 std dev) is 12,000,000 ug/kg and Modified Urban Background (mean + 1 std dev) is 12,19,160,000 ug/kg. Only 2 detections off-site exceed Statewide Background 14,000,000 ug/kg at 01-02 6-12" and 13,000,000 ug/kg at 13-03 6-12". All off-site detected concentrations are below the Modified Urban Background value. Recommend elimination based on essential nutrient and	background evaluation and	Eliminated based on 4 September 2014 MDEQ Email; Discuss in Uncertainty Section
VOCs	Cyclohexane	110-82-7	D2	eA2	HH, no Eco	#5	3%	3	99	13,000	0%	0%						NA	-		-			Eliminate	All results meet HHRA criteria	detected at a low frequency; ESLB, TRV of surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.		frequency / spatial distribution e	August 2014 meeting based on Spatial Distribution
VOCs	tert-Butylbenzene	98-06-6	D2	eA2	HH, no Eco	#5	2%	1	51	1,600	0%	0%					No off-site detections	NA				No off-site detections		Eliminate	All results meet HHRA criteria			 Eliminate based on detection frequency and spatial distribution - no detections off-site. 	September 2014
VOCs	n-Butylbenzene	104-51-8	D2	eA2	HH, no Eco	#5	4%	2	51	1,600	0%	0%					No off-site detections	NA				No off-site detections		Eliminate	All results meet HHRA criteria		n-Butylbenzene was detected in only 2 out of 51 total samples. The two or detections were on-site in DOS-2 (84 ug/kg) and DOS-21 (99 ug/kg). Therefore, it was never detected off-site.	Eliminate based on detectic frequency and spatial distribution - no detections off-site.	September 2014
VOCs	sec-Butylbenzene	135-98-8	D3	eA2	HH, no Eco	#5	6%	3	51	1,600	0%	0%					No off-site detections	NA				No off-site detections		Eliminate	All results meet HHRA criteria	detected at a low frequency; ESLB, TRV of	DOS-2 (58 ug/kg) and DOS-4 (38.5 ug/kg).		September 2014

	NOAEL-based ESLB Evaluation LOAEL-based ESLB Evaluation												on	٦														
Analyte Group	Analyte	CAS Num	er Screened Out H	HH Screen Ec		ower criteria	FWS Email	Detection Frequency	No. Samples Detected	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed H Criteria	Source of NOAEL ESLB	% Detects Exceed NOAEL ESLB	% RLs Exceed NOAEL ESLB	Max Detected Off-site (ug/kg)	LOAEL- based ESLB (ug/kg)	Source of LOAEL ESLB	% Detects Exceed LOAEL ESLB	LOAFL FELR	Max Detecte Off-site (ug/k	red New LOAEL- (kg) based HQ	New Category Assignment	Human Health Lines of Justification	Eco Lines of Justification Notes - Detection Evaluation	Recommendation	Decision
VOCs	N-Propylbenzene	103-65-	L D3	eA	A2	HH, no Eco	#5	10%	5	51	1,600	0%	0%	 			No off-site detections	NA		**		No off-site detections		Eliminate	All results meet HHRA criteria		uency and spatial S ibution - no detections	September 2014
SVOCs	Benzidine	92-87-5	D4, E1	e#	A2	HH, no Eco	#5	7%	7	99	1,000	0%	9%	 	-			NA						Eliminate	All results meet HHRA criteria; 9% of RLs exceed HHRA criteria; Eliminated based on spatial distribution		uency and spatial A bit ibution	Eliminated in 21 August 2014 meeting based on Spatial Distribution
SVOCs	4-Bromophenyl phenyl ethe	er 101-55-	3 C1, E1	eA	A2		#5	1%	1	128		-		 			No off-site detections	NA			-	No off-site detections		Eliminate		e. Uncertainty Discussion: Analyte was detected at a low frequency; ESLB, TRV or surrogate not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.	uency and spatial A ibution - no detections b	Eliminated in 21 August 2014 meeting based on Spatial Distribution
SVOCs	4-Chlorophenyl phenyl ethe	er 7005-72	3 C1, E1	eA	A2		#5	1%	1	128				 			No off-site detections	NA				No off-site detections		Eliminate		e. Uncertainty Discussion: Analyte was 4-Chlorophenyl phenyl ether was only detected in 1 sample out of 128 Elimin detected at a low frequency; ESLB, TRV or total samples. The 1 detection was on-site at DOS-23 at a concentration freque distribution that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.	uency and spatial A ibution - no detections b	August 2014 meeting
SVOCs	Octachlorostyrene	29082-74	-4 C1, E1	eź	A2		#5	3%	3	99				 				NA		-		14		Eliminate	Elminated on 10/6/11 Cor call	Uncertainty Discussion: Analyte was Ottachlorostryrene was detected in 3 of 99 total samples. These 3 Elimin detected a low frequency; ESIB, RTV or detections were officiant 42.03-03.14" (12 ug/gk), 2A.03.14" (13 ug/gk), freque distrib that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated. rest studies yelfed a calculated criterion mater was higher than the detected concernations off-site. Each of the three off-site detections were found at sample locations of known off-site is uses. Recommend elimination based on detection frequency and spatial distribution.	ibution. b	Eliminated in 21 August 2014 meeting based on Spatial Distribution
SVOCs	1,2,3,4-Tetrachlorobenzen	ne 634-66-	2 C2, E1	eA	A2		#5	11%	11	99				 	-			NA				30		Eliminate	11% Detection frequency; detections off-site north o the northern facility boundary. Eliminated on 7/8/11 Con call	f detected at a low frequency; ESLB, TRV or detections were off-site around the northern boundary of the facility and surrogate not available. The likelihood the detected concentrations ranged from 10-30 ug/kg. Two sample	uency and spatial A bit ibution.	Eliminated in 21 August 2014 meeting based on Spatial Distribution
Metals	Thorium	7440-29	1 C2, E1	e#	A2		#5	94%	31	33				 	-			NA				3,300		Eliminate	Eliminated on 10/6/11 Cor call	n Uncertainty Discussion: ESLB, TRV or surrogate not available. Thorium was detected in 31 of 33 total samples collected. There are no (Pershing 1-01 1-6') - 3,300 ug/kg (N1-02 0-1'). During evaluation of the human health pathway, thorium was eliminated from further evaluation based on a review of ATSDR and USG documentation for detected thorium concentrations across the US. Based on these documents, the ranges of concentrations detected in Midland are similar to those seen across the US.	mentation provided for L numan health	

Table 5-10 Ecological Screening Results - Category 6 Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower Criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	Source of ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	Eco Lines of Justification	Notes - Detection Evaluation	Decision
Herbicides	Silvex (2,4,5-TP)	93-72-1	B1	eB1	Eco	#6	0%	72	2,200	0%	0%	109	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	Silvex was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	s Category Eliminated in 21 August 2014 meeting
VOCs	Vinyl acetate	108-05-4	B1	eB1	Eco	#6	0%	100	13,000	0%	0%	12,700	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	Vinyl acetate was analyzed for in the COM Blinded Sampling effort and the 2010 MDEQ samples. HH criteria and Eco ESLB are in the same order of magnitude.	Category Eliminated in 21 August 2014 meeting
SVOCs	3,3'-Dichlorobenzidine	91-94-1	B1	eB1	Eco	#6	0%	72	2,000	0%	0%	646	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	3,3'-Dichlorobenzidine was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	1,2,4,5-Tetrachlorobenzene	95-94-3	B3	eB1	Eco	#6	0%	72	3,400	0%	0%	2,020	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	1,2,4,5-Tetrachlorobenzene was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort. HH criteria and Eco ESLB are in the same order of magnitude.	Category Eliminated in 21 August 2014 meeting
SVOCs	1-Naphthylamine	134-32-7	B3	eB1	Eco	#6	0%	72				9,340	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	1-Naphthylamine was only analyzed for in the COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	2,6-Dichlorophenol	87-65-0	В3	eB1	Eco	#6	0%	105				1,170	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	2,6-Dichlorophenol was only analyzed for in the COM Blinded Sampling effort and the MDEQ 2010 sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	Di-n-octylphthalate	117-84-0	В3	eB1	Eco	#6	0%	95	6,900,000	0%	0%	709,000	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	Di-n-octylphthalate was analyzed for in the 2005 Dow On-Site sampling and the COM Blinded Sampling Effort. It was not carried forward to the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	Isosafrole	120-58-1	B3	eB1	Eco	#6	0%	72				9,940	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	Isosafrole was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	Methapyrilene	91-80-5	B3	eB1	Eco	#6	0%	72				2,780	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	Methapyrilene was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	o-Toluidine	95-53-4	B3	eB1	Eco	#6	0%	72				2,970	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	o-Toluidine was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	Pentachloronitrobenzene	82-68-8	B3	eB1	Eco	#6	0%	72	37,000	0%	0%	7,090	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	Pentachloronitrobenzene was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
VOCs	Bromodichloromethane	75-27-4	B3	eB1	Eco	#6	0%	123	1,200	0%	0%	540	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	Bromodichloromethane was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples.	Category Eliminated in 21 August 2014 meeting
VOCs	trans-1,2-Dichloroethene	156-60-5	B3	eB1	Eco	#6	0%	123	2,000	0%	0%	784	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	trans-1,2-Dichloroethene was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples.	Category Eliminated in 21 August 2014 meeting
VOCs	Trichlorofluoromethane	75-69-4	B3	eB1	Eco	#6	0%	123	52,000	0%	0%	16,400	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	Trichlorofluoromethane was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. HH criteria and Eco ESLB are in the same order of magnitude.	Category Eliminated in 21 August 2014 meeting
VOCs	Isobutanol	78-83-1	B3	eB1	Eco	#6	0%	100	46,000	0%	0%	20,800	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	Isobutanol was analyzed for in the COM Blinded Sampling effort and the 2010 MDEQ samples. HH criteria and Eco ESLB are in the same order of magnitude.	Category Eliminated in 21 August 2014 meeting
SVOCs	1,4-Naphthoquinone	130-15-4	B3	eB1	Eco	#6	0%	72				1,670	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	1,4-Naphthoquinone was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	O,O,O-Triethyl Phosphorothioate	126-68-1	B3	eB1	Eco	#6	0%	72				818	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	O,O,O-Triethyl Phosphorothioate was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	O,O-Diethyl O-2-Pyrazinyl Phosphorothioate (Thionazin)	297-97-2	B3	eB1	Eco	#6	0%	72				799	USEPA Region 5 ESL	0%	0%			O,O-Diethyl O-2-Pyrazinyl Phosphorothioate (Thionazin) was only analyzed fo in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	r Category Eliminated in 21 August 2014 meeting
SVOCs	2-Acetylaminofluorene	53-96-3	B3	eB1	Eco	#6	0%	72				596	USEPA Region 5 ESL	0%	0%			2-Acetylaminofluorene was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort.	Category Eliminated in 21 August 2014 meeting
SVOCs	Pentachlorobenzene	608-93-5	В3	eB1	Eco	#6	0%	105	9,500	0%	0%	497	USEPA Region 5 ESL	0%	0%			effort and the 2010 MDEQ samples.	g Category Eliminated in 21 August 2014 meeting
VOCs	Dichlorodifluoromethane	75-71-8	D2	eB1	Eco	#6	0%	123	95,000	0%	0%	39,500	USEPA Region 5 ESL	0%	0%		Not detected; 100% RLs meet ESLB	Dichlorodifluoromethane was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. HH criteria and Eco ESLB are in the same order of magnitude.	Category Eliminated in 21 August 2014 meeting

Table 5-10 Ecological Screening Results - Category 6 Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower Criteria	FWS Email	Detection Frequency	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	Source of ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	Eco Lines of Justification	Notes - Detection Evaluation Decision
SVOCs	3-Nitroaniline	99-09-2	B3	eB1	Eco	#6	0%	128				3,160	USEPA Region 5 ESL	0%	1%	1	Not detected; 99% RLs meet ESLB	3-Nitroaniline was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. Only one (1) 21 August 2014 sample had a RL that exceeded the ESLB. This one (1) sample was on-site at DOS-20 (4,100 ug/kg). All other RLs (127 remaining samples) met the ESLB both on-site and off-site.
SVOCs	4-Nitrophenol	100-02-7	В3	eB1	Eco	#6	0%	128				5,120	USEPA Region 5 ESL	0%	2%	2	Not detected; 98% RLs meet ESLB	4-Nitrophenol was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. Only two (2) samples had RLs that exceeded the ESLB. Both samples were on-site: DOS- 17 (12,000 ug/kg) and DOS-20 (21,000 ug/kg). All other samples (126 remaining samples) had RLs that met the ESLB. Category Eliminated in 21 August 2014 meeting
SVOCs	Diphenylamine	122-39-4	D4, E1	eB1	Eco	#6	0%	87	1,700	0%	2%	1,010	USEPA Region 5 ESL	0%	2%	2	Not detected; 98% RLs meet ESLB	Diphenylamine was analyzed for in the 2005 Dow On-Site sampling effort and the COM Blinded Sampling effort but not in the 2010 Dow/MDEQ sampling effort. HH criteria and Eco ESLB are in the same order of magnitude. Only two (2) samples had RLs that exceeded the ESLB. Both samples were on-site: DOS-17 (2,300 ug/kg) and DOS-20 (4,100 ug/kg). All other samples (85 remaining samples) had RLs that met the ESLB.Category Eliminated in 21 August 2014 meeting meeting
VOCs	cis-1,3-Dichloropropene	10061-01-5	B3	eB1	Eco	#6	0%	123				398	USEPA Region 5 ESL	0%	2%	3	Not detected; 98% RLs meet ESLB	cis-1,3-Dichloropropene was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. Only three (3) samples had RLs that exceeded the ESLB and all three samples were in the 2010 MDEQ data set: 11a-03 0-1" (410 ug/kg); N1-02 0-1" (480 ug/kg); and Site2-02 0-1" (430 ug/kg).Category Eliminated in 21 August 2014 meeting in the 2010 MDEQ data set: 11a-03 0-1" (410 ug/kg); N1-02 0-1" (480 ug/kg); hour control of the sample
VOCs	trans-1,3-Dichloropropene	10061-02-6	B3	eB1	Eco	#6	0%	123				398	USEPA Region 5 ESL	0%	2%	3	Not detected; 98% RLs meet ESLB	trans-1,3-Dichloropropene was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. Only three (3) samples had RLs that exceeded the ESLB and all three samples were in the 2010 MDEQ data set: 11a-03 0-1" (410 ug/kg); N1-02 0- 1" (480 ug/kg); and Site2-02 0-1" (430 ug/kg).Category Eliminated in 21 August 2014 meeting meeting
SVOCs	Famphur	52-85-7	B3	eB1	Eco	#6	0%	72				49.7	USEPA Region 5 ESL	0%	3%	2	Not detected; 97% RLs meet ESLB	Famphur was only analyzed for in the 2006 COM Blinded Sampling effort and was not carried forward in the 2010 Dow/MDEQ sampling effort. Only two Category Eliminated in 21 August 2014 (2) samples had RLs that exceeded the ESLB and both samples were off-site since this analyte was only analyzed for in the one off-site sampling effort: C-02 0-1" (63 ug/kg) and O-01 1-6" (78 ug/kg). meeting

Table 5-11 Ecological Screening Results - Category 7 Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower Criteria	FWS Email	Detection Frequency	No. Samples Detected	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	Source of ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	Eco Lines of Justification Notes - Detection Evaluation De	Decision
SVOCs	Dimethyl phthalate	131-11-3	D2	eC1	Eco	#7	1%	1	128	790,000	0%	0%	734,000	USEPA Region 5 ESL	0%	0%	0	meet ESLB Dow On-Site sampling effort, the COM Blinded Elimin Sampling effort and the 2010 MDEQ samples. It was detected in only 1 out of 128 samples which was on-site at DOS-14 at 66 ug/kg.	-
VOCs	2-Hexanone	591-78-6	D2	eC1	Eco	#7	1%	1	123	20,000	0%	0%	12,600	USEPA Region 5 ESL	0%	0%	0		ninated in August 2014
SVOCs	n-Nitrosodiphenylamine	86-30-6	D2	eC1	Eco	#7	2%	2	128	5,400	0%	0%	545	USEPA Region 5 ESL	0%	2%	2	meet ESLB 2005 Dow On-Site sampling effort, the COM Elimin Blinded Sampling effort and the 2010 MDEQ 21 Aug samples. It was detected in only 2 out of 128 Meeti samples. It was detected in only 2 out of 128 Meeti samples. One on-site sample at DOS-16 (160 ug/kg) and one off-site at O1-02 (130 ug/kg) in the 2010 MDEQ data set. Only two (2) samples had RLs that exceeded the ESLB. Both samples were on- site: DOS-17 (2,300 ug/kg) and DOS-20 (4,100 ug/kg). All other samples (85 remaining samples) had RLs that met the ESLB.	
SVOCs	Benzyl alcohol	100-51-6	D2	eC1	Eco	#7	2%	2	105	200,000	0%	0%	65,800	USEPA Region 5 ESL	0%	0%	0	meet ESLB COM Blinded Sampling effort and the 2010 MDEQ Elimin	egory ninated in August 2014 eeting
SVOCs	2,4,5-Trichlorophenol	95-95-4	D2	eC1	Eco	#7	4%	5	128	39,000	0%	0%	14,100	USEPA Region 5 ESL	0%	0%	0	meet ESLB Dow On-Site sampling effort, the COM Blinded Elimin	regory ninated in August 2014 reting
VOCs	Chloroform	67-66-3	D2	eC1	Eco	#7	4%	5	123	1,600	0%	0%	1,190	USEPA Region 5 ESL	0%	0%	0	meet ESLB Site sampling effort, the COM Blinded Sampling Elimin	egory ninated in August 2014 eeting
Pesticides	Delta BHC	319-86-8	C1, E1	eC1	Eco	#7	5%	6	128				9,940	USEPA Region 5 ESL	0%	0%	0	meet ESLB Site sampling effort, the COM Blinded Sampling Elimin effort and the 2010 MDEQ samples. It was 21 Aug	regory minated in August 2014 reting

Table 5-12 Ecological Screening Results - Category 8 Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

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Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower Criteria	FWS Email	Detection Frequency	No. Samples Detected	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	Source of ESLB	% Detects Exceed ESLB	No. Samples Exceed ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	Eco Lines of Justification	Notes - Detection Evaluation	Decision
Pesticides	Heptachlor epoxide	1024-57-3	D3	eD1	Eco	#8	16%	20	128	3,100	0%	0%	152	USEPA Region 5 ESL	0%		1%	1	No detects exceed ESLB; 99% RLs meet ESLB	Heptachlor epoxide was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. It was not detected on-site. The detections were in both the 2006 COM Blinded sampling effort and in the 2010 MDEQ samples. The maximum off site detected concentration was at C-02 0-1" (67 ug/kg). One sample had a RL that exceeded the ESLB. This sample was in the 2010 MDEQ data set and was collected at B1-01 6-12" (180 ug/kg). The remaining 127 samples had RLs that met the ESLB.	a
VOCs	Methyl lodide (lodomethane)	74-88-4	C2, E1	eD1	Eco	#8	18%	22	123				1,230	USEPA Region 5 ESL	0%		0%		No detects or RLs exceed the ESLB	Methyl Iodide (Iodomethane) was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. It was detected in 22 samples out of 123 total samples. It was detected 1 time in the 2006 COM Blinded sampling effort (A-01 at 210 ug/kg); and the remainder of the detections were in the 2010 MDEQ samples with concentrations ranging from 52 ug/kg to 100 ug/kg.	Eliminated in 21 August 2014 Meeting
VOCs	Acetone	67-64-1	D3	eD1	Eco	#8	27%	33	123	15,000	0%	0%	2,500	USEPA Region 5 ESL	0%		0%		No detects or RLs exceed the ESLB	Acetone was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. It was detected in 3 on-site samples: DOS-1 (320 ug/kg), DOS-2 (420 ug/kg), and DOS-4 (910 ug/kg). It was detected in 5 samples from the 2006 COM Blinded sampling effort with detected concentrations ranging from 127 ug/kg to 1,880 ug/kg (at E-02 which was an order of magnitude higher than any other detection).	Eliminated in 21 August 2014 Meeting
Pesticides	4,4'-DDD	72-54-8	D3	eD1	Eco	#8	30%	39	128	95,000	0%	0%	758	USEPA Region 5 ESL	0%		0%		No detects or RLs exceed the ESLB	4,4'-DDD was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. It was detected in 38 of 128 total samples. The detections occurred only in the 2006 COM Blinded sampling effort. There were no detections on-site or in the 2010 MDEQ samples. The maximum off-site detection was at C-02 0-1" (345 ug/kg).	Meeting based on
SVOCs	2-Methylnaphthalene	91-57-6	D3	eD1	Eco	#8	33%	42	128	4,200	0%	0%	3,240	USEPA Region 5 ESL	0%		0%		No detects or RLs exceed the ESLB	2-Methylnaphthalene was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. HH criteria and Eco ESLB are in the same order of magnitude. Detections occurred in all three data sets, on-site and off-site. The maximum off-site detection was at M-02 0-1 (259 ug/kg).	
SVOCs	Benzo(a)anthracene	56-55-3	D3	eD1	Eco	#8	38%	48	128	20,000	0%	0%	5,210	USEPA Region 5 ESL	0%		0%		No detects or RLs exceed the ESLB	Benzo(a)anthracene was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. Detections occurred in all three data sets, on-site and off-site. The overall maximum detected concentration was off-site at C-02 0-1" (3,105 ug/kg).	Eliminated in 29 September 2014 email
SVOCs	Benzo(k)fluoranthene	207-08-9	D3	eD1	Eco	#8	54%	69	128	200,000	0%	0%	148,000	USEPA Region 5 ESL	0%		0%		No detects or RLs exceed the ESLB	Benzo(k)fluoranthene was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. HH criteria and Eco ESLB are in the same order of magnitude. Detections occurred in all three data sets, on-site and off-site. The maximum off-site detection was at C-02 0-1" (1,452 ug/kg).	
SVOCs	Chrysene	218-01-9	D3	eD1	Eco	#8	71%	91	128	2,000,000	0%	0%	4,730	USEPA Region 5 ESL	0%		0%		No detects or RLs exceed the ESLB	Chrysene was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. Detections occurred in all three data sets, on-site and off-site. The overall maximum detected concentration was off-site at C-02 0-1" (3,905 ug/kg).	Eliminated in 29 September 2014 email
SVOCs	Benzo(g,h,i)perylene	191-24-2	D3	eD1	Eco	#8	80%	102	128	2,500,000	0%	0%	119,000	USEPA Region 5 ESL	0%		0%		No detects or RLs exceed the ESLB	Benzo(g,h,i)perylene was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. Detections occurred in all three data sets, on-site and off-site. The overall maximum detected concentration was off-site at C-02 0-1" (2,490 ug/kg).	Eliminated in 29 September 2014 email
SVOCs	Pyrene	129-00-0	D3	eD1	Eco	#8	86%	103	120	480,000	0%	0%	78,500	USEPA Region 5 ESL	0%		0%		No detects or RLs exceed the ESLB	Pyrene was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. Detections occurred in all three data sets, on-site and off-site. The overall maximum detected concentration was off-site at C-02 0-1" (7,985 ug/kg).	September 2014
Cyanide	Cyanide, Total	57-12-5	D6, E3	eD1	нн	#1, #8	86%	176	204	100	46%	7%	50,800	Northern Cardinal	0%		0%		No detects or RLs exceed the ESLB	and in the 2010 Dow and MDEQ samples. Detections occurred in all data sets, on-site and off-site. The maximum detected off-site concentration was at G-02 1-6" (863.1 ug/kg).	Eliminated in 21 August 2014 Meeting
Metals	Beryllium	7440-41-7	D3	eD1	Eco	#8	93%	119	128	33,000	0%	0%	21,000	USEPA Eco SSL	0%		0%		No detects or RLs exceed the ESLB	Beryllium was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. HH criteria and Eco ESLB are in the same order of magnitude. Detections occurred in all three data sets, on-site and off-site. The maximum detected concentration off-site was at U-02 0-1" (1,110 ug/kg).	Eliminated in 21 August 2014 Meeting

Table 5-12 Ecological Screening Results - Category 8 Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

											The Do	w chemice	ai Comp	any, Michigan O	perations				
Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower Criteria	FWS Email	Detection Frequency	No. Samples Detected	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	% RLs Exceed HH Criteria	ESLB	Source of ESLB	% Detects Exceed ESLB	No. Samples Exceed ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	Ecolines of Justification Decision Notes - Detection Evaluation Decision
Metals	Nickel	7440-02-0	D6, E1	eD1	Eco	#8	99%	193	194	56,000	1%	0%	38,000	USEPA Eco SSL (Plants)	1%	1	0%		Less than 1% (0.5%) of detects exceed the ESLB; all RLs meetNickel was analyzed for in the 2005 Dow On-Site sampling effort, the COM Blinded Sampling effort and the 2010 Dow samples. HH criteria and Eco ESLB are in the same order of magnitude. Detections occurred in all three data sets, on-site and off-site. The maximum detected off-site concentration was at L-02 1-6" (19,400 ug/kg).Eliminated in 21 August 2014
Pesticides	Methoxychlor	72-43-5	D3	eD1	Eco	#8	10%	13	128	16,000	0%	0%	19.9	USEPA Region 5 ESL	1%	1	28%	36	Less than 1% of detects exceed Methoxychlor was analyzed for in the 2005 Dow On-Site sampling effort, Eliminated in 21 the ESLB; 72% RLs meet ESLB Methoxychlor was analyzed for in the 2010 MDEQ samples. It was August 2014 detected in only 13 of 128 samples. It was detected on-site only once (DOS Meeting 2), which is the one sample that exceeded the ESLB, and then off-site in the 2006 COM Blinded Sampling effort only. It was not detected in the 2010 MDEQ samples. The maximum detected off-site concentration was W-03 0 1" (12.65 ug/kg). The RLs in 36 samples exceeded the ESLB. These samples were both on-site and off-site and occurred in all three data sets. The off-site RLs that exceeded the ESLB ranged from 20 ug/kg - 350 ug/kg. The on-site RLs that exceeded the ESLB ranged from 20 ug/kg - 69 ug/kg.
Pesticides	Endosulfan sulfate	1031-07-8	C2, E1	eD1	Eco	#8	8%	10	128				35.8	USEPA Region 5 ESL	2%	3	2%	2	2% detects exceed the ESLB; 98% Endosulfan sulfate was analyzed for in the 2005 Dow On-Site sampling Eliminated in 5 RLs meet ESLB effort, the 2006 COM Blinded Sampling effort and the 2010 MDEQ September 2014 samples. It was detected in 10 samples out of 128 total samples. It was detected in only 3 samples on-site and in 7 samples off-site. The maximum detected concentration was off-site. Only three detected concentrations exceeded the ESLB (US EPA Region 5 ESL): 1 off-site sample 0-01 1-6" (46.6 ug/kg) and 2 on-site samples at DOS-8 (45 ug/kg) and DOS-20 (45 ug/kg). The RLs exceeded the ESLB in only 2 samples, both off-site: C-02 1-6" (46.9 ug/kg) in the 2010 MDEQ data set.
SVOCs	Benzyl Butyl Phthalate	85-68-7	D3	eD1	Eco	#8	16%	20	128	120,000	0%	0%	239	USEPA Region 5 ESL	2%	3	36%	46	2% detects exceed the ESLB; 64% Benzyl butyl phthalate was analyzed for in the 2005 Dow On-Site sampling Eliminated in 21 RLs meet ESLB effort, the 2006 COM Blinded Sampling effort and the 2010 MDEQ August 2014 samples. It was detected in 20 samples out of 128 total samples. Only 3 detected concentrations exceed the ESLB (US EPA Region 5 ESL), 2 on-site August 2014 and just 1 off-site. The only off-site sample with a detected concentration that exceeds the ESLB is at C-02 0-1" (317 ug/kg). The on-site samples with concentrations that exceed the ESLB are DOS-4 (815 ug/kg) and DOS-22 (290 ug/kg). The RLs exceed the ESLB in 46 samples out of the 128 total samples analyzed for benzyl butyl phthalate. all of the samples in the 2010 MDEQ data set had RLs that exceeded the ESLB. The RLs exceed the ESLB in all of the on-site samples where benzyl butyl phthalate was not detected (9 samples). etected (9 samples). samples where benzyl butyl phthalate was not
SVOCs	Hexachlorobenzene	118-74-1	D6, E2	eD1	Eco	#8	15%	34.99999999	227	350	2%	42%	184	Calculated NOAEL American Robin	4%	10	16%	37	4% detects exceed the ESLB; 84% Hexachlorobenzene was analyzed for in all samples. The US EPA Region 5 Eliminated in 5 RLs meet ESLB ESL for Hexachlorobenzene is 199 ug/kg. There are no off-site exceedances September 2014 of this ESLB. twas detected in 35 out of 227 total samples. It was Meeting based on detected in both on-site and off-site samples. 10 samples exceeded the Spatial distribution. samples were on-site; 1 sample was off-site located at H-02 0-1" (193 ug/kg) from the 2006 COM Blinded Sampling effort. The RLs exceeded the ESLB in 37 samples out of 227 total samples analyzed for this analyte. The RLs exceeded the ESLB in 7 on-site samples (ranging from 330 ug/kg - 2,300 ug/kg) but the remaining 16 on-site samples had adequate RLs. The RLs exceeded the ESLB in 30 of 33 samples in the MDEQ data set (ranging from 330 ug/kg - 470 ug/kg). The 2006 COM Blinded Sampling event and the 2010 Dow data set had RLs that met the ESLB.
SVOCs	Di-n-butyl phthalate	84-74-2	D3	eD1	Eco	#8	27%	35	128	11,000	0%	0%	150	USEPA Region 5 ESL	7%	9	27%	35	7% detects exceed the ESLB; 73% Di-n-butyl phthalate was analyzed for in the 2005 Dow On-Site sampling Eliminated in 5 RLs meet ESLB effort, the COM Blinded Sampling effort and the 2010 MDEQ samples. It was detected in 34 total samples in both on-site and off-site sample Eliminated in 5 September 2014 was detected in 34 total samples in both on-site and off-site sample Meeting based on spatial 2006 COM Blinded sampling effort. It was not detected in the 2010 MDEQ samples. The maximum detected off-site concentration was found at N-01 0-1" (46.5 ug/kg). The RLs exceeded the ESLB in 35 samples: 2 in the Dow On-Site samples and all 33 of the 2010 MDEQ data set.

Table 5-13 Ecological Screening Results - Category 9 Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

							E	SLB Evaluatio	n				SLB Evaluat		_	AEL-based E	-	-	1		TD	L Evaluatio	on	1	
Analyte Group	Analyte	Total # Samples	Lowest HH Criteria	% Detects Exceed HH Criteria	6 % RLs Exceed HH Criteria	ESLB	Source of ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB		Source of NOAEL ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	LOAEL- based ESLE ug/kg	Source of LOAEL ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	Min RL of NDs	Max RL of NDs (Off- site)	TDL (ug/kg)	% RLs Exceed TDL	No. Samples RL > TDL	Human Health Lines of Justification	Eco Lines of Justification
SVOCs	Parathion, Methyl	72	46	0%	100%	0.292	USEPA Region 5 ESL	0%	100%	72	1,109	Northern Cardinal	0%		1,582	Northern Cardinal	0%	0	12	31	40	0%	0	Methyl parathion was not detected (0%) in 72 samples. All RLs exceeded the lowest HH criteria. Eliminated based on spatial distribution.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based and LOAEL-based ESLB. ESLB < TDL. All RLs meet TDL.
SVOCs	Dinoseb	72	200	0%	100%	21.8	USEPA Region 5 ESL	0%	100%	72	213	Northern Cardinal	0%		2,121	Northern Cardinal	0%	0	56	146	200	0%	0	Dinoseb was not detected (0%) in 72 samples. Eliminated based on spatial distribution.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based and LOAEL-based ESLB. ESLB < TDL. All RLs meet TDL.
Pesticides	Heptachlor	128	5,600	0%	0%	5.98	USEPA Region 5 ESL	0%	100%	128	171	American Robin	1%	1	1,713	American Robin	0%	0	0.638	180	20	14%	18	Heptachlor was not detected in a total of 128 samples. N reporting limits exceeded the human health criteria.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based ESLB, with 1 exception at B1-01 6-12" (180 ug/kg). Sample area B1 is associated with an off-site source not related to the MAS historical release. ESLB < TDL. 14% RLs exceed TDL (15 of these exceedances are on-site).
SVOCs	2,6-Dinitrotoluene	227	50	0%	61%	32.8	USEPA Region 5 ESL	0%	100%	227	4,128	Northern Cardinal	0%		8,256	Northern Cardinal	0%	0	6.08	470	330	20%	45	2,6-Dinitrotoluene was not detected (0%) out of a total of 227 samples. 100% of RLs exceeded the lowest HH criteria. Eliminated based on spatial distribution.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based and LOAEL-based ESLBs. ESLB < TDL. 20% RLs exceed TDL (14 on-site; 33 off-site [the entire 2010 MDEQ dataset]).
SVOCs	Aniline	105	330	0%	99%	56.8	USEPA Region 5 ESL	0%	100%	105	1,576	Northern Cardinal	0%		15,762	Northern Cardinal	0%	0	46	470	330	31%	33	Aniline was not detected (0%) in 105 samples. 99% RLs exceed the lowest HH criteria. Eliminated based on spatial distribution.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based and OAEL-based ESLBs. ESLB < TDL. 31% RLs exceed TDL (all RLs > TDL are from the 2010 MDEQ dataset).
SVOCs	2-Chlorophenol	128	360	0%	76%	243	USEPA Region 5 ESL	0%	100%	128	921	Northern Cardinal	2%	2	9,208	Northern Cardinal	0%	0	27	470	330	36%	45	samples. 76% of the RLs exceed the lowest HH criteria. Eliminated based on spatial distribution.	8100% RLs exceed ESLB; however, all RLs meet the NOAEL-based ESLB, with 2 exceptions found on-site at DOS-17 and DOS-20. ESLB < TDL. 36% RLs exceed TDL (14 on-site; 33 off-site [the entire 2010 MDEQ dataset]).
Pesticides	Toxaphene	128	8,200	0%	1%	119	USEPA Region 5 ESL	0%	100%	128	5,180	American Robin	1%	1	51,800	American Robin	0%	0	10	7,200	170	44%	56	Toxaphene was not detected (0%) out of a total of 128 samples. Only 0.8% RLs exceeded the lowest HH criteria (1 off-site sample). Eliminated based on spatial distribution.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based ESLB, with 1 exception at B1-01 6-12" (7,200 ug/kg). Sample area B1 is associated with an off-site source not related to the MAS historical release. ESLB < TDL. 44% RLs exceed TDL (21 on-site; 2 COM blind; 33 from 2010 MDEQ dataset).
SVOCs	Isodrin	72				3.32	USEPA Region 5 ESL	0%	100%	72	56	American Robin	0%	-	113	American Robin	0%	0	20	51	NA	-	1	HH criteria for this analyte.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based and LOAEL-based ESLBs. No TDL available.
SVOCs	Parathion, Ethyl (Parathion)	72	1,100	0%	0%	0.34	USEPA Region 5 ESL	0%	100%	72	160	American Robin	0%		398	American Robin	0%	0	18	47	NA			RLs met the lowest HH criteria.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based and LOAEL-based ESLBs. No TDL available.
SVOCs	Pronamide	72	2,800	0%	0%	13.6	USEPA Region 5 ESL	0%	100%	72	14,869	American Robin	0%		149,000	American Robin	0%	0	11	29	NA			Pronamide was not detected (0%) in 72 samples. All RLs met the lowest HH critera.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based and LOAEL-based ESLBs. No TDL available.
SVOCs	Phorate	72	8.2	0%	100%	0.496	USEPA Region 5 ESL	0%	100%	72	93	American Robin	0%		1,115	American Robin	0%	0	9	24	NA			Phorate was not detected (0%) in 72 samples. All RLs exceeded the lowest HH criteria. Eliminated based on spatial distribution.	100% RLs exceed ESLB; however, all RLs meet the NOAEL-based and LOAEL-based ESLBs. No TDL available.
Pesticides	Endrin ketone	56	-			14	LANL LOAEL Mammals	0%	36%	20	5.5	American Robin	48%	27	55	American Robin	2%	1	8.9	180	20	29%	16	Screen-out by all NDs; all RLs ≤ all Part 201/EPA criteria	Endrin used as surrogate for ESLB (this analyte moved from Category 4 to Category 9). 64% RLs meet the ESLB. 52% RLs meet the NOAEL- based ESLB. The 52% of samples with acceptable RLs are from the 2006 COM blinded off-site sampling effort, providing adequate sampling density off-site to document that endrin was not detected. 98% of RLs meet the LOAEL-based ESLB with only 1 RL that exceeds the LOAEL-based value (B1-01 6-12" at 180 ug/kg from the 2010 MDEQ dataset). Sample area B1 is the location of an off-site source not related to the MAS historical release. Endrin ketone was only analyzed for in the 2005 Dow On-Site sampling effort and in the 2010 MDEQ samples. 15 TDL exceedances are from the Dow On-Site sampling effort. Only 1 TDL exceedance is off-site found at B1-01 6-12".
SVOCs	Hexachlorophene	72	15,000	0%	0%	199	USEPA Region 5 ESL	0%	100%	72	132	American Robin	100%	72	1,322	American Robin	3%	2	704	1,840	NA	-		Hexachlorophene was not detected (0%) in 72 samples. All RLs met the lowest HH criteria.	100% RLs exceed ESLB. 100% RLs exceed the NOAEL-based ESLB, which is lower than the US EPA Region 5 ESLB. However, 97% of RLs meet the LOAEL-based ESLB. The 2 RL exceedances are from the 2006 COM Blinded sampling effort at C-02 01" (1,484 ug/kg) and O-01 1-6" (1,840 ug/kg). Both of these sample locations are associated with an off-site source not related to the MAS historical release. No TDL available.
SVOCs	4,6-Dinitro-2-methylphenol	128	830	0%	94%	144	USEPA Region 5 ESL	0%	100%	128	194	Northern Cardinal	44%	56	1,942	Northern Cardinal	10%	13	13	2,300	830	38%	48	4,6-Dinitro-2-methylphenol was not detected (0%) in 128 samples. 94% RLs exceed the lowest HH criteria. Eliminated based on spatial distribution.	100% RLs exceed ESLB. 66% RLs meet the NOAEL-based ESLB. All of the samples in the 2006 COM off-site data set had acceptable RLs and provide adequate off-site sampling density to demonstrate that this analyte is not detected off-site. 90% RLs meet the LOAEL-based ESLB. Of the 13 RL exceedances, 8 are from the 2010 MDEQ dataset and 5 are from the on-site dataset. ESLB < TDL. 38% RLs > TDL, leaving 62% of RLs that meet the TDL. 15 of the TDL exceedances are on-site; 33 TDL exceedances are from the 2010 MDEQ dataset.
SVOCs	2,4-Dinitrophenol	128	82	0%	100%	60.9	USEPA Region 5 ESL	0%	100%	128	74	Northern Cardinal	44%	56	743	Northern Cardinal	38%	48	20	2,300	830	38%	48	2,4-Dinitrophenol was not detected (0%) out of a total of 128 samples. 100% of RLs exceeded the lowest HH criteria. Eliminated based on spatial distribution.	100% RLs exceed ESLB; 56% RLs meet the NOAEL-based ESLB. All of the samples in the 2006 COM off-site data set had acceptable RLs and provide adequate off-site sampling density to demonstrate that this analyte is not detected off-site. 62% RLs meet the LOAEL-based ESLB. Both ESLBs < TDL. 38% RLs > TDL, leaving 62% of RLs that meet the TDL. 15 of the TDL exceedances are on-site; 33 TDL exceedances are from the 2010 MDEQ dataset. Recommended Uncertainty Discussion: Analyte was not detected. TDL is 13 times higher than the ESLB and 10% higher than the LOAEL-based ESLB, which causes significant RL exceedances. The likelihood that it might be present at levels of concern is considered Iow. However, in the event that the analyte is present, the potential risk could be underestimated.

Table 5-13 Ecological Screening Results - Category 9 Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

						<u> </u>	E	SLB Evaluatio	n		NOA	AEL-based E	SLB Evaluat	ion	LO	AEL-based E	SLB Evaluat	ion			тс	L Evaluati	on	1	
Analyte Group	Analyte	Total # Samples	Lowest HH Criteria	% Detect Exceed HH Criteria	s % RLs Exceed HH Criteria	ESLB	Source of ESLB	% Detects Exceed ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB		Source of NOAEL ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	LOAEL- based ESLB ug/kg	Source of LOAEL ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	Min RL of NDs	Max RL of NDs (Off- site)	TDL (ug/kg)	% RLs Exceed TDL	No. Samples RL > TDL	Human Health Lines of Justification	Eco Lines of Justification
VOCs	Carbon disulfide	123	16,000	0%	0%	94.1	USEPA Region 5 ESI	0%	23%	28	No Avian Data Available				No Avian Data Available				0.5	480	250	11%	14	Carbon disulfide was not detected (0%) in 123 samples. All RLs met the lowest HH criteria.	77% RLs meet ESLB. ESLB < TDL. 89% RLs meet TDL; the 14 RLs that exceed the TDL are from the 2010 MDEQ dataset. Recommended Uncertainty Discussion: Analyte was not detected. Avian benchmark or TRV not available. TDL is 2.5 times higher than the available ESLB, which causes significant RL exceedances. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.
VOCs	Acetonitrile	100	2,800	0%	30%	1,370	USEPA Region 5 ESI	0%	29%	29	No Avian Data Available				No Avian Data Available				197	9700	2,500	28%	28	Acetonitrile was not detected (0%) in 100 samples. 30% of RLs exceeded the lowest HH criteria. Eliminated based on spatial distribution.	71% RLs meet ESLB. ESLB < TDL. 72% RLs meet TDL; all 28 RLs that exceed the TDL are from the 2010 MDEQ dataset. Recommended Uncertainty Discussion: Analyte was not detected. Avian benchmark or TRV not available. TDL is 2 times higher than the available ESLB, which causes significant RL exceedances. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.
SVOCs	2,4-Dimethylphenol	128	7,400	0%	0%	10	USEPA Region 5 ESI	0%	100%	128	No Avian Data Available				No Avian Data Available				58	470	330	36%	46	2,4-Dimethylphenol was not detected (0%) out of a total of 128 samples. No RLs exceeded the lowest HH Criteria.	100% RLs exceed ESLB. ESLB < TDL. 64% RLs meet TDL. Of the 46 total samples with RLs that exceed the TDL, 32 of the RL exceedances are from the 2010 MDEQ dataset; 14 are from the on-site data. This leaves 82 samples, both on- and off-site, that have RLs that meet the TDL. Recommended Uncertainty Discussion: Analyte was not detected. Avian benchmark or TRV not available. TDL is 33 times higher than the available ESLB, which causes significant RL exceedances. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.
SVOCs	2-Chloronaphthalene	128	620,000	0%	0%	12.2	USEPA Region 5 ESI	0%	100%	128	No Avian Data Available				No Avian Data Available				26	470	330	36%	46	2-Chloronaphthalene was not detected (0%) out of a total of 128 samples. All RLs met the lowest HH criteria.	100% RLs exceed ESLB. ESLB < TDL. 64% RLs meet TDL. Of the 46 total samples with RLs that exceed the TDL, 32 of the RL exceedances are from the 2010 MDEQ dataset; 14 are from the on-site data. This leaves 82 samples, both on- and off-site, that have RLs that meet the TDL. Recommended Uncertainty Discussion: Analyte was not detected. Avian benchmark or TRV not available. TDL is 27 times higher than the available ESLB, which causes significant RL exceedances. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.
VOCs	1,1,2,2-Tetrachloroethane	123	170	0%	24%	127	USEPA Region 5 ESI	0%	23%	28	No Avian Data Available				No Avian Data Available				0.5	480	50			1,1,2,2-Tetrachloroethane was not detected (0%) in 72 samples. 76% RLs met the lowest HH criteria. Eliminated based on spatial distribution.	77% RLs meet the ESLB. All 28 RL exceedances are from the 2010 MDEQ dataset, leaving 95 remaining samples both off-site and on-site with RLs that meet the ESLB. Avian benchmark or TRV not available.
SVOCs	Hexachlorocyclopentadiene	128	30,000	0%	0%	755	USEPA Region 5 ESI	0%	38%	49	No Avian Data Available				No Avian Data Available				26	2,300	330			Hexachlorocyclopentadiene was not detected (0%) in 72 samples. All RLs met the lowest HH criteria.	62% RLs meet the ESLB. All off-site RL exceedances (33) are from the 2010 MDEQ dataset; 16 RLs exceed on-site. 79 samples both on- and off-site meet the ESLB providing reasonable off-site sampling density with RLs that met the ESLB (primarily from 2006 COM sampling effort). Avian benchmark or TRV not available.
SVOCs	Sym-Trinitrobenzene	72	3,900	0%	0%	376	USEPA Region 5 ESI	0%	76%	55	No Avian Data Available				No Avian Data Available				352	919	NA			Sym-Trinitrobenzene was not detected (0%) in 72 samples. All RLs met the lowest HH criteria.	No TDL available. 24% RLs meet ESLB. Only analyzed for in the 2006 COM Blinded sampling effort (55 of 72 RLs exceed the ESLB, leaving 17 samples with RLs that meet the ESLB). Recommended Uncertainty Discussion: Analyte was not detected. Avian benchmark or TRV not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.
SVOCs	Alpha, Alpha Dimethylphenethylamine	72				300	USEPA Region 5 ESI	0%	100%	72	No Avian Data Available				No Avian Data Available				352	919	NA			Alpha, Alpha Dimethylphenethylamine was not detected (0%) in 72 samples. There is no HH criteria for this analyte.	No TDL available. 100% RLs exceed ESLB. Only analyzed for in the 2006 COM Blinded sampling effort. Recommended Uncertainty Discussion: Analyte was not detected. Avian benchmark or TRV not available. The likelihood that it might be present at levels of concern is considered low. However, in the event that the analyte is present, the potential risk could be underestimated.

Table 5-14 Ecological Screening Results - Category 10 Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

															ESLB Evaluat	ion			NOAEL-based	d ESLB Eval	uation		LOAEL-bas	sed ESLB Ev	aluation				TDL Ev	aluation			
Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria		Detection Frequency				Exceed	% RLs Exceed HH Criteria	ESLB ug/kg	Source of ESLB	Detects S Exceed B	amples E	% RLs No. xceed Sampl ESLB RL > ES		Source of NOAEL ESLB	% Detects Exceed ESLB	% RLs No Exceed Samp ESLB RL > E	LOAEL- les based ESLE SLB ug/kg	Source of LOAEL ESL	% Detects LB Exceed ESLB	% RLs Exceed ESLB	No. Samples RL > ESLB	Min RL of	ax RL of NDs Iff-site)	TDL Ex		mples	Human Health Lines of Justification	Eco Lines of Justification Recommendation Decision
Pesticides	Endrin aldehyde	7421-93-4	C1, E1	eC2	Eco	#10	2%	128	2	-	-		10.5	USEPA Region 5 ESL	0%		23% 30	3	American Robin	1%	50% 66	26.2	American Robin	n 0%	3%	3	0.797	180	20 1	.4%		liminated based on patial distribution.	Endrin aldehyde was only detected in 2 of 128 total samples. No detected concentrations exceed the ESUB. ESUB. Eliminate based on As per 5 September 2014 Eco Working Meeting #5, total Working Meeting #5, total Working Meeting #5, total working Meeting #6, total working #6, total worki
Pesticides	Endrin	72-20-8	D2	eC2	Eco	#10	2%	128	3	65,000	0%	0%	10.1	USEPA Region 5 ESL	1%	1	24% 31	5.5	American Robin	2%	48% 61	54.7	American Robin	n 0%	1%	1	0.776	180	20 1	.5%	co d	letect reporting limits net HH criteria.	Endrin was only detected in 3 out of 128 total samples. 1 detected concentration out of 128 total samples collected Elliminate based on 8 sequences the ESB. off-site sample is collected Elliminate based on 8 MORE-based ESB. Working Meeting #5, total samples CMAEL based ESB. MORE-based ESB. Working Meeting #5, total samples CMAEL based ESB. Second to 10 to 10 to 2 sample; the detected concentration at 1-02 (9.36 ug/kg) also exceeds the NOAEL-based ESB. 52% of Ris meet the NOAEL-based ESB. No detected fresults exceed the LOAEL-based ESB. FILS. No ACEL-based ESB. No detected results exceed the LOAEL-based ESB. SEX of Ris meet the NOAEL-based ESB. No detected results exceed the LOAEL-based ESB. S2% of Ris meet the NOAEL-based ESB. No detected results exceed the LOAEL-based ESB. S2% of Ris meet the NOAEL-based ESB. No detected results exceed the LOAEL-based ESB. S18. This 15% Rt st meet the NOAEL-based ESB. No detected results exceed the LOAEL-based ESB. S18. This 15% Rt st meet the NOAEL-based ESB. No detected not related to the MAS historical release.
Pesticides	Gamma BHC (Lindane)	58-89-9	D5, E1	eC2	Eco	#10	2%	128	3	20	1%	67%	5	USEPA Region 5 ESL	2%	2	46% 59	805	American Robin	0%	0%	3,235	American Robin		0%	0	0.626	180	20 1	.3%		liminated based on patial distribution.	gamma-BHC was only detected in 3 of 128 total samples. 2 detected concentrations out of a total of 128 samples. Collected exceed the ESLB: 1 on-site sample collected at DOS (B3 ug/kg) and 1 off-site location at 0-011-6 (F3.93 NOAEL-based ESLB. Modetched results acceed the LOAEL- based ESLB. ESLB. + TOL. 87% RLS meet the TDL with 13% RLS that exceed TDL (I6 samples); 2 off-site samples (at C- 02 and 81-01, both sample locations are associated with an off-site source not related to the MAS historical release) and 14 on-site samples. 54% RLS meet the ESLB and 100% of RLS meet the LOAEL- based ESLB.
Pesticides	Beta BHC	319-85-7	D4, E1	eC2	Eco	#10	4%	128	5	37	0%	9%	3.98	USEPA Region 5 ESL	2%	3	48% 62	49,099	American Robin	0%	0%	490,898	American Robin	n 0%	0%	0	0.872	180	20 1	4%		iliminated based on patial distribution.	beta-BHC was only detected in 5 of 128 total samples. 3 samples out of a total of 128 samples collected exceed the ESLB: 1 on-site at DOS-1 (20 ug/kg) and 2 off-site samples collected at the same location at L-01 0-1" (29.7 ug/kg) and ANDAEL-based ESLB L-01 1-6" (8.45 ug/kg). No detected results or RLs exceed the NOAEL-based ESLB. No detected results or RLs exceed the LOAEL-based ESLB. ESL4 > TOL. 86% RLs meet the TDL with 14% RLs that exceed TDL. Of these 18 samples with RL exceedances, 3 are off-site (2 samples at C-02 and one at B1-01; both these sample locations are associated with an off-site source not related to the MAS historical release) and 15 are on-site. 52% RLs meet the ESLB and 100% RLs meet the LOAEL-based ESLB.
Pesticides	Aldrin	309-00-2	D4, E1	eC2	Eco	#10	3%	128	4	1,000	0%	1%	3.32	USEPA Region 5 ESL	0%		49% 63	12	American Robin	0%	20% 26	628	American Robin	n 0%	0%	0	0.638	180	20 1	4%		liminated based on patial distribution.	Aldrin was detected in only 4 samples out of 128 total samples collected. No detected concentrations exceed the Eliminate based on 4 ESLB. No detected results exceed the NOAE-based ESLB allow 2 RLs for NOAE-based ESLB each of the 2006 COM data set and 2010 MDEC data set meet the NOAE-based ESLB. ESLB x CDL a68% RLs meet the TOL with 14% RLs that exceed TDL (17 samples: 15 RLs on-site and 2 RLs off-site (at C-02 and B1-01, both sample locations are associated with an off-site source not related to the MAS historical release). 51% RLs meet the ESLB and 100% RLs meet the LOAE-based ESLB.
VOCs	Acrylonitrile	107-13-1	D5, E1	eC2	Eco	#10	2%	222	4	100	2%	43%	23.9	USEPA Region 5 ESL	2%	4	50% 111	No Avian Data Available				No Avian Data Available					0.5	9,700	100 1	.4%			Acrydontrile was detected in only 4 of 222 total samples solected. All 4 samples that exceed the ESLB and are of sirelkeview spatial Eliminated in 21 August 2014 from the 2006 COM Bilinded sampling data set (1-01 '1323 ug/kg/, 1-02 0-1'163 ug/kg/, 1-00 0-1'163 ug/kg/kg/, 1-00 0-1'163 ug/kg/kg/kg/kg/kg/kg/kg/kg/kg/kg/kg/kg/kg
VOCs	Propionitrile, Ethyl Cyanide	107-12-0	C1, E1	eC2	Eco	#10	1%	72	1		-		49.8	USEPA Region 5 ESL	1%	1	74% 53	No Avian Data Available				No Avian Data Available					44	309	NA			liminated based on patial distribution.	1 detected concentration out of a total of 72 samples collected exceeds the ESLB. This sample was collected at T-02 Review spatial Eliminated in 21 August 2014 1° (506 ug/kg) from the 2006 COM Blinded sampling data set. No TDL available. Avian benchmark or TRV not distribution. Eliminate and Distribution Discuss in Uncertainty

Table 5-15 Ecological Screening Results - Category 11 Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

												Г			ESLB Evalu	uation							1	OAEL-base	ed ESLB					L	OAEL-based	ESLB						
Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	No. Samples Detected	Total # Samples	Lowest HH Criteria	Exceed	% RLs Exceed HH Criteria	ESLB	Source of ESLB	% Detects Exceed ESLB	No.	% RLs Exceed ESLB	Samples	Maximum Of site Detected Concentration	Based on	based ESL	Source of NOAEL ESLB	% Detects	No	% RLs Exceed NOAEL		Screen Level H Based or site Max and NO ESLE	n Off- LO Conc base DAEL	AEL- Sa d ESLB LO/		6 Detects	la Campias	LOAEL	No. Level samples Base RL > Off- LOAEL Max (ESLB and L ESL	d on site Conc OAEL	nan Health Lines of Justification	Eco Lines of Justification Recommendat	n Decision
Metals	Thallium	7440-28-0	D4, E1	eD2	Eco	#11	15%	35	227	2,300	0%	2%	56.9 L	JSEPA Region 5 ESL	13%	29	85%	192	230	4	1,901	American Robin	0%	0	0.4%	1	0.1	. 19		merican Robin	0%	0	0%	0 0.0	were les criteria exceede eliminat distribu	ess than the HH a but elevated RLs ded HH criteria; ated based on spatial	Thallium was analyzed for in all sampling campaigns. It was detected in 35 of 227 Eliminate based or total samples (15% detection frequency). 29 of these detections exceed the ESIB NOAEL-based ESIB (US EPA Region 5 ESI). It was only detected twice on site at DOS-20 and DOS 21. The remainder of the detections are off-site and are in the 2010 MDEO samples. The HQ based on the off-site maximum concentration (81-03 of "230 ug/kg) is 4. Sample area B1 is associated with an off-site source not related to the MAS historical release. When a NOAEL-based ESIB is calculated to the MAS historical release. When A NOAEL-based ESIB is calculated to the MAS historical release. When A NOAEL-based ESIB is calculated to the MAS historical release of the AcRE-based ESIB is calculated for the American BOS-7 4,360 ug/kg). The screening HQ based on the maximum off-site concentration and the NOAEL-based ESIB is calculated for the American Robin, there are no detected concentrations or RLs that exceed the criteria. The screening HQ based on the LOAEL-based ESIB and the maximum detected off-site concentration is 0.001.	Eliminated based or 4 September 2014 MDEQ Email
vocs	Naphthalene	91-20-3	D6, E1	eD2	Eco	#11	27%	59	222	730	0.9%	3%	99.4 ^L	JSEPA Region 5 ESL	13%	29	46%	103	1,314	13	397,704	American Robin	0%	0	0%	0	0.00	13 1,98	38,520 Ar	merican Robin	0%	0	0%	0 0.0	exceede eliminat distribu	ded the HH criteria; ated based on spatial	Naphthalene was analyzed for in all sampling campaigns. It was detected in 59 of Eliminate based or 222 total samples (27% detection frequency). The detected concentrations in 29 NOAEL-based ESLB samples exceed the ESLB (US EPA Region 5 ESL), including 9 samples on-site. The remaining 20 samples were off-site. The screening HQ based on the off-site maximum concentration (ia1-02 c1 ²⁺ , 1314 ug/kg) is 13. When a NOAEL-based ESLB is calculated, all detected concentrations and RLs meet the NOAEL-based ESLB. The screening HQ based on the NOAEL-based ESLB and the maximum onf-site concentration is < 1. Recommend elimination based on the NOAEL-based ESLB. When a LOAEL-based ESLB is calculated for the American Robin, there are no detected concentrations is < 1.	Eliminated based or 4 September 2014 MDEQ Email
Pesticides	Dieldrin	60-57-1	D4, E1	eD2	Eco	#11	10%	13	128	1,100	0%	0.8%	4.9	USEPA Eco SSL	3%	4	48%	61	21.3	4	28	American Robin	0%	0	2%	2	1	1,		merican Robin	0%	0	0%	0 0.0	were le: criteria exceede eliminat distribu	less than the HH a but elevated RLs ded HH criteria; ated based on spatial	Dieldrin was analyzed for in the 2005 Dow On-site Sampling effort, the 2006 COM Eliminate based or Blinded Sampling effort and the 2010 MDEQ samples. Dieldrin was detected only NOAEL-based ESLB 13 times out of 128 total samples (10% detection frequency). All detections were off-site in the 2006 COM Blinded Sampling effort. A total of 4 detected concentrations exceed the ESLB (US EPA Eco SSL) (D-02 0-17, D-02 1-67, I-01 1-67, and I-02 0-17). Using the overall maximum detected concentration which falls off- site, the screening HG is 4. When a NOAEL-based ESLB is calculated, there are no detected concentrations that exceed this value. Only 2 RIS exceed the NOAEL- based ESLB, located off-site at C-02 and B1-01 and both locations are associated with an off-site source not related to the MAS historical release. The screening HQ using the NOAEL-based ESLB and the maximum off-site concentration is 1. Recommend elimination based on the NOAEL-based ESLB. When a LOAEL-based ESLB is calculated for the American Robin, there are no detected concentrations or RLs that exceed the criteria. The screening HQ based on the maximum off-site detected concentrations and the LOAEL-based ESLB is 0.01.	Eliminated based or 4 September 2014 MDEQ Email
Herbicides	2,4-D Dichlorophenoxya tic Acid)	ice 94-75-7	D3	eD2	Eco	#11	15%	11	72	1,400	0%	0%	27.2 ^L	JSEPA Region 5 ESL	7%	5	0%	0	83.8	3	34	American Robin	4%	3	0%	0	2	6		merican Robin	0%	0	0%	0 0.0	detectic HH crite		2.4-D was only analyzed for in the 2006 COM Blinded Sampling effort. It was only detected in 11 samples out of 72 total samples (15% detection frequency). Only 5 NOAEL-based SEB samples had detected concentrations that exceeded the ESB (US PA Region 5 ESU; I-01 0-1", I-01 1-6", I-02 0-1", I-02 1-6", and H-02 1-6". The screening HO based on the off-site maximum detected concentration is 3. When a NOAEL-based ESB and only 3 samples from the same sample area (I-01 and I-02) exceed the NOAEL ESE (I-01 0-1" 8.3 u/g/k; I-01 1-6" 7.1 u/g/k; I-02 1-6" 6.4 5. u/k; I-01 k. III RE meet the NOAEL ESB. While the screening HO based on the NOAEL-based ESB is calculated for the American Robin, there are no detected oncentrations or RLs that exceed the criterian. Robin, there are no the LOAEL-based ESLB and the maximum off-site and more uncentration is 0.01.	ed MDEQ Email
SVOCs	Benzo[a]pyrene	50-32-8	D6, E1	eD2	Eco	#11	52%	119	227	2,000	2%	0%	1,520 ^L	JSEPA Region 5 ESL	3%	7	0%	0	3,661	2	4302	American Robin	0%	0	0%	0	0.9	1 43		merican Robin	0%	0	0%	0 0.	exceede eliminat distribu	ded the HH criteria; ated based on spatial	Benzo(a)pyrene was analyzed for in all sampling campaigns. It was detected in 119 Eliminate based or of 227 total samples (52% detection frequency). Only 7 detected concentrations NOAEL-based ESLB exceed the ESLB (USEPA Region 5 ESL). The overall maximum detected concentration was off-site (3,661 ug/kg). It was detected above the ESLB 3 times on-site (DOS-1, DOS-20, DOS-21) and 4 times off-site (USEPA Region 5 ESL) [2006 COM Blinded Sampling Effort C-02 0-1; 2010 Dow Samples 01-01 6-12°, 01-02 6- 12° and 01-03 6-12°, all sample locations are associated with an off-site source not related to the MAS historical release). The HQ based on the off-site maximum concentrations and RLs are less than the NOAEL-ESLB. The screening HQ based on the NOAEL-based ESLB and the maximum off-site detected concentrations or RLs that exceed the criteria. The screening HQ based on the maximum off-site detected concentration is less than 1. Recommend elimination based on the NOAEL-based ESLB bis add on the maximum off-site detected concentration here are no detected concentrations or RLs that exceed the criteria. The screening HQ based on the maximum off-site detected concentration and the LOAEL-based ESLB is 0.1.	Eliminated based or 4 September 2014 MDEQ Email
Pesticides	Chlordane, Total	57-74-9	D3	e02	Eco	#11	6%	14	227	31,000	0%	0%	224 (JSEPA Region 5 ESL	1%	3	0%	0	327	2	289	American Robin	1%	2	0%	0	1	1,	,447 Ar	merican Robin	0%	0	0%	0 0.	detectic HH crite		Total chlordane was analyzed for in all sampling campaigns. It was detected in 14 Eliminate based or of 227 total samples (6% detection frequency). It was not detected on-site. Of the NOAEL-based ESLB isolated detections were in the 2010 COM Blinded sampling effort, 3 biolated detections DMDEQ samples. Only 3 of the 14 detections exceeded the ESLB (US EPA Region 5 ESL) and they were collected in the 2006 COM Blinded samples: -A0 20 -1° (29 ug/kg), K-01 1-6° (227 ug/kg) and O-01 1-6° (256 ug/kg). The screening HQ based on the maximum detected concentration of 327 ug/kg and the USEPA Region 5 ESL is 2. When a NOAEL-based ESLB is calculated for the American Robin, the same three detected concentrations based on the NOAEL-based screening HQ is 1. Recommend elimination based on the NOAEL-based ESLB and loolated detected screen the NOAEL-based for the American Robin, there are no detected concentrations or RLs that exceed the COAEL-based ESLB. Is also also also and the USEPA Region S for the American Robin, there are no the three detected concentrations based on the NOAEL-based ESLB is calculated for the American Robin, there are no detected concentrations or RLs that exceed the criteria and the screening HQ is 0.2 (based on the maximum detected off-site concentration and the LOAEL-based ESLB).	Eliminated based or 4 September 2014 MDEQ Email

Table 5-15 Ecological Screening Results - Category 11 Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

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Analyte Group	Analyte	CAS Number	Screened Out HH	Screened Out Eco	d Lowe criteri	er FWS ia Email	Detection Frequency	No. Samples Detected	s lotal#	Lowest I s Criteri		HH	ESLB	Source of ESLB	SLB Evalu % Detects Exceed ESLB	No	Exceed	Samples	Maximum Off site Detected Concentration	Based on	NUAEL-		Excee	ts Sampl L Excee	ed NC	6 RLs cceed Sa OAEL N	mples RL > s	Screening Level HQ - Based on Off- ite Max Conc and NOAEL ESLB	based ESL	Sourc LB LOAEL	% Data	tts No. : d Ex SLB LOA	Samples	LOAEL	No. Les amples Ba RL > C LOAEL Ma ESLB and	ased on Off-site lax Conc	Human Health Lines o Justification	Eco Lines of Justification Recommendation Decision
Metals	Copper	7440-50-8	D6, E1	eD2	Eco	#11	100%	128	128	54,000	00 3%	0%	28,000	USEPA Eco SSL (Birds)	16%	21	0%	0	54,900	2	39,977	Americar Robin	^ז 7%	9		0%	0	1	120,483	, Amer Rob			1	0%	0		exceeded the HH criteria;	Copper was analyzed for in the 2005 Dow On-Site Sampling effort, the 2006 COM Bilinded Sampling effort and the 2010 MDEQ samples. It was detected in all 128 (Source Construction Construct
Metals	Zinc	7440-66-6	D6, E2	eD2	Eco	#11	84%	107	128	120,00	00 12%	0%	80,100	NOAEL-based American Robin	19%	24	0%	0	190,000	2	87,737	Americar Robin	16%	21	L	0%	٥	2	136,106	; Amer Rob	ican in 11%		14	0%	0		exceeded the HH criteria; carried forward to Leach	
Pesticides	4,4'-DDT	50-29-3	D3	eD2	Eco	#11	52%	66	128	57,000	00 0%	0%	3.5	USEPA Region 5 ESL	46%	59	31%	39	1,741	497	116	Americar Robin	1						1,155	Amer Rob			2	0%	0		Detected > 5% but all detections were less thar HH criteria.	4,4'-DDT was analyzed for in the 2005 Dow On-Site Sampling effort, the 2006 COM Reviewed Spatial Binded Sampling effort and the 2010 MDEQ samples. It was detected in 66 of 128 Distribution. Eliminated Distribution. Eliminated Sampling effort and the 2010 MDEQ samples. It was detected in 66 of 128 Distribution. Eliminated Detected concentrations in 59 samples (bot no - and off-site sceed the ESIs (D) NOAEL provided but concentrations in 59 single. (bot no - and off-site sceed the ESIs (D) NOAEL provided but further evaluation was concentrations in 59 single. (bot no - 10, 11, 151 ug/kg) and 0-02 1.6'' (1,741 ug/kg). The scenniple locations are associated for the American Robin, only 2 samples have detected concentrations is 15 is calculated for the American Robin, only 2 samples have detected concentrations is 2.
PCBs	PCBs, Total	1336-36-3	D4, E1	eD2	Eco	, #11	58%	74	128	1,000	0 0%	2%	0.332	USEPA Region 5 ESL	58%	74	42%	54	1,234	3723	84	Americar Robin	1				-		835	Amer Rob			3	6%	7		were less than the HH criteria but elevated RLs exceeded HH criteria;	 PCBs, Total was analyzed for in the 2005 Dow On-Site Sampling effort, the 2006 PCBs, Total was analyzed for in the 2005 Dow On-Site Sampling effort, the 2006 PCBs, Total was analyzed for in the 2005 Dow On-Site Sampling effort, the 2006 PCBs, Total was analyzed for in the 2005 Dow On-Site Sampling effort, the 2006 PCBs, Total was analyzed for in the 2005 Dow On-Site Sampling effort, the 2006 PCBs, Total was analyzed for in the 2006 Dow On-Site Sampling in 27 June 2014 meeting. PCBs, Total was analyzed for in the 2005 Dow On-Site Sampling in 27 June 2014 meeting. PCBs, Total was analyzed for in the 2005 Dow On-Site Samples. NOAEL provided but further evaluation vas for the exected for the American Robin, 57 detected concentration on 24 00 Key Ray DOS-101 and the remaining 15 are off-site. A:02 0-1" (87 ug/kg): B:01 1 eliminated off (115 ug/kg): Co2 0-1" (12 ug/kg): A01 0-5" (104 ug/kg): B:01 1 eliminated off (115 ug/kg): Co2 0-1" (17 ug/kg): A01 0-1" (14 ug/kg) and 1-6" (115 ug/kg): Co2 0-1" (17 ug/kg): A01 0-1" (14 ug/kg) and 1-6" (115 ug/kg): U-02 0-1" (11 ug/kg): A01 0-1" (21 ug/kg): B:01 1 eliminated direct angle Cocknos associated with an off-site surger cont related to the MAS historical release. All ND RLs exceed the NOAE-based ESL (total of 54 samples): VOAE ESL B: Sta UGAS I A1 CHOAE I ADS-20 Hereing. Bamples JWhen a LOAE-based ESL B: Cola I OF 1.1" (226 ug/kg): A01 CHOAE I ADS-20 Hereing. Hord Hord Hord Hord Hord Hord Hord Hord
Metals	Vanadium	7440-62-2	D6, E1	eD2	Eco	#11	100%	128	128	72,000	10 0.8%	0%	7,800	USEPA Eco SSL (Birds)	77%	99	0%	0	74,000	10	20,223	Americar Robin	י 6%	8	; (0%	0		40,446	Amer Rob			1	0%	0		exceeded the HH criteria;	Vanadium was analyzed for in the 2005 Dow On-Site Sampling effort, the 2006 Review Spatial Eliminated based on COM Bilnded Sampling effort and the 2010 MDEQ samples. It was detected in all Bilnded Sampling effort and the 2010 MDEQ samples. It was detected in all Bilnded Sampling effort and the 2010 MDEQ samples. It was detected in all Eliminated based on 1128 samples. Detected concentrations in 99 samples exceed the ESIB (US FPA ED) Dosated on NOAEL-based SUB (Sir) Dosated on NOAEL-based 5% (Bir(J)). The maximum overall concentration was detected off-site a 01-01 1. ESIB ESIB (Sir AL) Dosated on NOAEL-based 6% (74,000 ug/kg). The 01 sample location is associated with an off-site source next motifies ource next MDEQ Email either detected concentrations erceporting limits less than the benchmark. Of the 8 detected concentrations in 42 cells (22, 1000 ug/kg), 0-01 1-6" (21,000 ug/kg), 0-02 1-0" (20,800 ug/kg), 0-01 3 1-6" (21,000 ug/kg), 0-01 1-6" (21,000 ug/kg), 0-02 1-0" (20,000 ug/kg), 0-01 1-6" (21,000 ug/kg) When a LOAEL-based ESIB is calculated for the American Robin, only the maximum detected concentration (74,000 ug/kg) exceeds the criteria. The screening HQ calculated based on the LOAEL-based ESLB and the maximum off-site detected concentration is 2.

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												_		ESLB	Evaluation			1					NOAEL-based	ESLB			1		LOAFL	based ESLB			7				
Analyte Group	Analyte	CAS Number	Screened r Out HH	Screened Out Eco	Lower criteria	FWS Email	Detection Frequency	No. Samples Detected	Total # Lov Samples C	Criteria	Detects Exceed	% RLs Exceed HH E Criteria	SLB Source ESLB		ed Samp	ed Exce	tLs No. eed Samples .B RL > ESLB	site Detecte	ed Based	ite based ES		f % Detects Exceed	No. Samples	% RLs Exceed NOAEL ESLB	No. Samples RL > NOAEL ESLB	site Max C	Q - Off- LOA Conc based	EL- Source ESLB LOAEL E		cts No. San d Exce SLB LOAEL		Sample RL > LOAEL	Screening Level HQ Based or Off-site Max Con and LOAE ESLB	n Human Health Lines of Justification	Eco Lines of Justification	Recommendation	Decision
Pesticides	4,4'-DDE	72-55-9	9 D3	eD2	Eco	#11	57%	73	128 4	45,000	0%	0% 5	96 USEPA Re 5 ESL		; 3	09	6 0	2,400	4	244	America Robin	۰ 					1,2	22 Americ Robir		1	0%	0	2	detections were less than HH criteria.	4,4:0DE was analyzed for in the 2005 Dow On-Site sampling effort, the 2006 CON Binded Sampling Effort, and the 2010 MDEC samples. It was detected in 73 of 12 total samples (57% detection frequency) and only 3 off-site detections exceed the ESIB (USEPA Region 5 ESI). The maximum detected concentration was in the 2010 MDEC data set at 81:01 6:12" at 24.00 ug/kg. It was detected in only 3 locations on-site at concentrations that were an order of magnitude below the ESIB. The other 2 off-site detections that exceed the ESIB were also in the 2006 COM Binder Sampling effort (C-02 0:1" at 719.5 ug/kg and W-03 1:6" at E28 ug/kg). When a LOAEL-based ESIB is developed for the American Robin, only the maximum detected concentration of 2,400 ug/kg at B1:01 6:12" exceeds the benchmark. Th screening HQ based on the off-site maximum detected concentration and the LOAEL-based ESIB is 2.	BDistribution. Eliminated in 27 June 2014 meeting NOAEL provided but further evaluation was not performed since danalyte is eliminated.	 Eliminated in 27 June 2014 meeting.
SVOCs	bis(2-ethylhexyl phthalate) 117-81-7	-7 D3	eD2	Eco	#11	63%	80	128 2,4	800,000	0%	0% S	25 USEPA Re 25 5 ESL		; 9	09	6 0	3,080	3	90,300	Northerr Cardinal		0	0%	0	0.03	903,	000 Northe Cardin		0	0%	0	0	detections were less than HH criteria.	bis(2-Ethylhexyl)phthalate was analyzed for in the 2005 Dow On-Site sampling effort, the 2006 COM Binded Sampling effort and the 2010 MPCG samples. It was detected in 80 of 128 total samples (63% detection frequency). The detected concentrations in 9 samples exceeded the ESLB (US EPA Region 5 ESL). 7 of these exceedances were on site. The 2 of 15-site exceedances were from the same sampli- location in the 2006 COM Blinded Sampling data set (8-01 o-1" and 8-01 1-6"). Th screening HQ based on the off-site maximum detected concentration (8-01 1-6"). 3,080 ug/kg) is 3. When a NOAEL-based ESLB is calculated, all detected concentrations and RLs meet the NOAEL-based ESLB. The screening HQ using the NOAEL-based ESLB and the max off-site detection is less than 1. When a LOAEL- based ESLB is calculated, all detected concentrations and RLs meet the LOAEL- based ESLB. The screening HQ using the LOAEL-based ESLB and the max off-site detection is less than 1.	Distribution and eliminat based on NOAEL-based ESLB	
Metais	Lead	7439-92-	-1 D6, E1	eD2	Eco	#11	100%	227	227 4	100,000	0.4%	0% 11	,000 USEPA B SSL (Bir		6 150) 09	% 0	666,000	61	17,988	Americar Robin	42%	95	0%	0	37	41,1	Americ Robir		37	0%	0	16	exceeded the HH criteria; eliminated based on spatial distribution.	Lead was analyzed for in all sampling campaigns. It was detected in all 227 samples. Detected concentrations in 150 samples exceed the ESLB (US EPA Eco SS (Bird)), located both on- and off-site. The overall maximum detected concentratio was off-site at D-02 0-1 [°] (666,000 ug/kg). Using Rosner's Outlier Test for lead, for X's and S% significance level, the 666,000 ug/kg is identified as an outlier. The nex- highest detected concentration found off-site at an area not associated with an of site source not related to the MAS historical release is Ao2 (119,000 ug/kg) which yields a screening HQ of 7. When a NOAEL-based ESLB is calculated for the American Robin, there are 132 samples less than the ESLB and 95 samples with elected concentrations that exceed it. When a LOAEL-based ESLB is calculated for the American Robin, 37 detected concentrations and the LOAEL-based ESLB and the concentration at A-02, the screening HQ is 3. When compared to Modified Urban Background (114,220 ug/kg), there are on 1y1 2 samples with exceed the criteria (S5K frequency). This includes 3 on-site locations and off-site locations. All 9 off-site locations are found in samples associated with an off-site locations. All 9 off-site locations are found in samples associated with an off-site location. All 9 off-site locations are found in samples associated with an off-site location and off-site locations are found in samples associated with an off-site locations.	r Background Information A Recommend elimination based on background.	
Metals	Tin	7440-31-	-5 D3	eD2	Eco	#11	6%	11	171 5,5	500,000	0%	0% 7,	620 USEPA Re 5 ESL		2	09	% 0	158,000	21	No Avia Data Availabl							No A Da Avail	ta			-			detections were less than the criteria.	Tin was analyzed for in the 2006 COM Blinded Sampling effort and the 2010 Dow samples. Tin was detected in 11 of 171 total samples (6K detection frequency). A detections were off-site and occurred in the COM Blinded samples (2006). There in on on-site data for tin. Only two detected concentrations exceed the ESIB (US EP. Region 5 ESI) Ao21 - 6 ⁺ (30.100 µg/kg) and the maximum detected concentration at O-40 - 1 ⁺ (158,000 µg/kg). Screening HQ using maximum off-site detection is but using second highest concentration the screening HQ is 4. There was no avan data available to calculate a LOAEL-based ESLB. There is no background information available.	I Distribution. Eliminated s in 27 June 2014 meeting A	
SVOCs	2,3,4,6- Tetrachlorophene	ol 58-90-2	2 D3	eD2	Eco	#11	8%	6	72	6,700	0%	0% 1	99 USEPA Re 5 ESL		2	09	% 0	450	2	No Avia Data Availabl					-		No A Da Avail	ta						detections were less than the criteria.	2,3,4,6-Tetrachlorophenol was analyzed for in only the 2006 COM Blinded Sampling effort. It was not carried forward into the 2010 Dow and MDEQ samplin effort. It was noty detected in 6 of 72 total samples (8% detection frequency). On 2 detections exceeded the ESLB (US EPA Region 5 ESL) at the same sample location (H-02 0-1" and 1-6"). These two detections were an order of magnitude higher than the other 4 detections. Using the off-site maximum detected concentration, the screening level HQ is 2. There was no avian data available to calculate a LOAE based ESLB.	yin 27 June 2014 meeting 1	
Sulfide	Sulfide	18496-25	5-8 C2, E1	eD2	Eco	#11	6%	4	72			3	.58 USEPA Re 5 ESL		. 4	945	% 68	157,750	440	No Avia 54 Data Availabl							No A Da Avail	ta						Detected > 5% but there is no HH criteria; Eliminated based on spatial distribution.	Sulfide was only analyzed for in the 2006 COM Blinded Sampling effort. It was	Distribution. Eliminated in 27 June 2014 meeting	
Metals	Antimony	7440-36-	-0 D6, E1	eD2	Eco	#11	23%	47	204	4,300	0.5%	1.0% 2	USEPA 6 70 SSL (Mamm	7%	; 14	159	% 31	4,530	17	No Avia Data Availabl					-		No A Da Avail	ta						exceeded the HH criteria; eliminated based on spatial distribution.	Antimory was analyzed for in the 2006 COM Blinded Sampling effort and the 2010 Dow and MDEQ samples. It was detected in 47 of 204 total samples (23% detection frequency). The detected concentrations in 14 samples exceed the ESL detection frequency). The detected concentrations in 14 samples exceed the ESL detection frequency. The detected concentrations in 14 samples exceed the ESL DoAL-based ESL. When compared to USG background information provided by DALE-based ESL. When compared to USG background information provided by DMED(470 ug/kg = Mean + 1 SD of All Data), of the 47 detected concentrations provided to 2010 sampling effort. So these exceedances are found a sample locations associated with an off-site source not related to the MAS historical release. The remaining 7 detected concentrations that exceed background rale from 1,327.5 - 4,530 ug/kg. Recommend elimination based on background.	Distribution and Background Information Recommend Elimination dbased on Background.	

Table 5-16 USGS Michigan Background Soil Values provided by MDEQ Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

Analyte	Number of Samples	Minimum	Maximum	Mean	S.D.	X and 1 SD	X and 2 SD
Antimony ¹	285	0.1	2.35	0.278	1.690	0.470	0.794
Boron ²	32	Non-detect	70	26	18	44	62
Lead ¹	285	3.8	59.5	12.2	1.644	20.1	33.0
Selenium ¹	285	< 0.2	0.9	< 0.2		0.30	0.55
Strontium ¹	285	27.4	198	74.4	1.457	108	158
Thorium ¹	285	0.8	11.6	2.903	1.812	5.26	9.53
Titanium¹	285	200	5400	1141	1.926	2198	4233

Notes:

All Data in mg/kg

X = geomean

SD = geometric standard deviation

¹ Smith, D.B., Cannon, W.F., Woodruff, L.G., Solano, Federico, Kilburn, J.E., and Fey, D.L., 2013, Geochemical and mineralogical data for soils of the conterminous United States: U.S. Geological Survey Data Series 801, 19 p., http://pubs.usgs.gov/ds/801/

² Boerngen, J.G. and Shacklette, H.T., 1981. *Chemical analysis of soils and other surficial materials of the conterminous United States*. U.S. Geological Survey Open-File Report 81-197.

Table 5-17Off-site Sample Locations with Sources Other than MAS Historical Aerial ReleasePart II - Remedial Investigation ReportThe Dow Chemical Company, Michigan Operations

Sample Location	Description	Additional Associated Samples
A-02	Pilot Study Area	A2-01, A2-02, A2-03
	Site B1 is located near old rail spur and a remedy has been completed to	
B1-xx	address this site.	B1-01, B1-02, B1-03
	Sample collected in area of a known industrial site near the Midland	
C-01	Resolution Center.	
	Sample collected in area of a known industrial site near the Midland	
C-02	Resolution Center.	
F-01	Washington Street	F1-01, F1-02, F1-03
H-02	Developed Land	
01-01	Near fuel oil historical release	01-01, 01-02, 01-03
W-03	Spheric Development property.	
l-xx	Sampling Area "I" is now developed.	l1a-01, l1a-02, l1a-03

Table 8-1Summary Statistics of Dioxin Results by Data Set and Depth
Part II - Remedial Investigastion ReportThe Dow Chemical Company, Michigan Operations

						2005/6 Dov	w On-Site				2006 COM Blind				2010 Dow/MDEQ											
Analyte	Unit	Depth Interval	No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Min RL of NDs	Max RL of NDs	No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Min RL of NDs	Max RL of NDs	No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Min RL of NDs	Max RL of NDs
WHO-TEQ_2005	ppt	(1) 0 in - 1 in	28	100%	23,796	60,346	7.90	299,017	-	-	223	100%	152	145	2.5	915	-	-	138	100%	332	417	9.63	2,750	-	-
WHO-TEQ_2005	ppt	(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	159	150	2.9	633	-	-	138	100%	340	909	7.19	10,500	-	-
WHO-TEQ_2005 WHO-TEQ_2005	ppt ppt	(3) 6 in - 1 ft (4) > 1 ft	0	-	-		-	-	-	-	0	-	-	-	-	-	-	-	138 154	100% 100%	196 76.8	282 109	0.49	1,310 807	-	-
1,2,3,4,6,7,8-HpCDD		(1) 0 in - 1 in	28	100%	36,582	69,283	88	287,057	-	-	161	100%	1,228	1,434	18.1	10,900	-	-	139	100%	2,646	2,633	67	13,514	-	-
1,2,3,4,6,7,8-HpCDD		(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	1,524	1,560	16.9	7,400	-	-	139	100%	2,118	2,175	39	12,382	-	-
1,2,3,4,6,7,8-HpCDD	1.1.2	(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	138	100%	1,306	2,304	8.02	12,833	-	-
1,2,3,4,6,7,8-HpCDD 1,2,3,4,6,7,8-HpCDF		(4) > 1 ft (1) 0 in - 1 in	0 27	- 100%	- 28,812	- 39,979	- 43	- 116,877	-	-	0 161	- 100%	- 712	- 870	- 5.44	- 4,980	-	-	153 139	100% 100%	478 1,734	782 2,071	0.962	5,051 13,884	-	-
1,2,3,4,6,7,8-HpCDF		(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	927	1,057	5.62	4,770	-	-	139	100%	1,678	2,595	17.5	24,753	-	-
1,2,3,4,6,7,8-HpCDF		(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	138	100%	1,203	1,816	6.14	7,892	-	-
1,2,3,4,6,7,8-HpCDF	ppt	(4) > 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	153	99%	625	1,097	0.922	7,575	0.743	0.743
1,2,3,4,7,8,9-HpCDF		(1) 0 in - 1 in	27	100%	1,513	3,257	3.1	16,507	-	-	161	100%	29.7	43.2	0.82	347	-	-	138	100%	70.0	85.4	1.67	578	-	-
1,2,3,4,7,8,9-HpCDF 1,2,3,4,7,8,9-HpCDF		(2) 1 in - 6 in (3) 6 in - 1 ft	0	-	-	-	-	-	-	-	35 0	100% -	44.8 -	65.4	0.429	307	-	-	139 133	100% 98%	84.1 63.6	317 184	0.76 0.796	3,717 1,870	- 0.738	- 0.749
1,2,3,4,7,8,9-HpCDF		(4) > 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	144	93%	21.3	31.4	0.276	213	0.536	0.743
1,2,3,4,7,8-HxCDD	ppt	(1) 0 in - 1 in	28	100%	482	824	2	3,596	-	-	161	100%	24.7	27.6	0.833	203	-	-	139	100%	51.4	53.1	1.9	258	-	-
1,2,3,4,7,8-HxCDD	ppt	(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	25.5	24.6	0.776	104	-	-	139	100%	53.1	152	1.19	1,774	-	-
1,2,3,4,7,8-HxCDD	ppt	(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	135	100%	31.0	49.3	0.235	247	-	-
1,2,3,4,7,8-HxCDD 1,2,3,4,7,8-HxCDF	ppt ppt	(4) > 1 ft (1) 0 in - 1 in	0 28	- 100%	- 2,670	- 5,877	- 11	- 30,935	-	-	0 161	- 100%	- 56.4	- 76.1	- 0.716	- 548	-	-	147 139	95% 100%	11.5 141	18.0 188	0.13 2.82	103 1,294	0.142	0.571
1,2,3,4,7,8-HxCDF	ppt	(2) 1 in - 6 in	0	-	- 2,070	- 5,077	-		-	-	35	100%	80.8	118	0.710	563	-	-	139	100%	200	891	1.46	10,476	-	_
1,2,3,4,7,8-HxCDF	ppt	(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	137	100%	127	296	0.785	2,824	-	-
1,2,3,4,7,8-HxCDF	ppt	(4) > 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	153	98%	49.0	73.7	0.214	591	0.143	0.149
1,2,3,6,7,8-HxCDD	ppt	(1) 0 in - 1 in	28	100%	1,465	2,193	4.5	10,319	-	-	161	100%	69.8	77.6	1.51	484	-	-	139	100%	154	163	5.7	830	-	-
1,2,3,6,7,8-HxCDD 1,2,3,6,7,8-HxCDD	ppt	(2) 1 in - 6 in (3) 6 in - 1 ft	0	-	-	-	-	-	-	-	35 0	100%	83.2	87.7	1.46 -	408	-	-	139 138	100% 100%	165 98.9	469 163	3.64 0.569	5,474 1,040	-	-
1,2,3,6,7,8-HxCDD	ppt ppt	$(3) \ 0 \ 11^{-1} \ 1 \ 1$	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	150	97%	38.7	58.3	0.369	384	0.149	0.59
1,2,3,6,7,8-HxCDF	ppt	(1) 0 in - 1 in	23	100%	652	1,389	2.8	6,467	-	-	161	100%	28.0	42.8	0.422	267	-	-	139	100%	101	306	1.67	2,227	-	-
1,2,3,6,7,8-HxCDF	ppt	(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	35.2	44.0	0.419	204	-	-	139	100%	154	1,067	0.87	12,514	-	-
1,2,3,6,7,8-HxCDF	ppt	(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	137	100%	48.2	106	0.347	981	-	-
1,2,3,6,7,8-HxCDF 1,2,3,7,8,9-HxCDD	ppt ppt	(4) > 1 ft (1) 0 in - 1 in	0 28	- 100%	- 928	- 1,443	- 3.6	- 5,640	-	-	0 161	- 100%	- 45.4	- 49.1	- 1.24	- 346	-	-	151 139	97% 100%	18.1 97.0	25.2 99.4	0.189 3.9	171 546	0.143	0.157
1,2,3,7,8,9-HxCDD	ppt	(2) 1 in - 6 in	0	-	-	-	-	- 5,040	-	-	35	100%	49.2	51.1	1.24	255	-	-	139	100%	96.0	234	2.65	2,700	-	-
1,2,3,7,8,9-HxCDD	ppt	(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	137	100%	56.3	88.3	0.345	433	-	-
1,2,3,7,8,9-HxCDD	ppt	(4) > 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	150	96%	22.7	35.3	0.164	224	0.143	0.623
1,2,3,7,8,9-HxCDF	ppt	(1) 0 in - 1 in	20	100%	393	1,125	1.7	4,967	-	-	161	100%	3.95	11.69	0.263	146	-	-	135	96%	8.60	17.05	0.23	144	5.8	6.3
1,2,3,7,8,9-HxCDF 1,2,3,7,8,9-HxCDF	ppt ppt	(2) 1 in - 6 in (3) 6 in - 1 ft	0	-	-	-	-	-	-	-	35 0	- 100%	3.87	4.82	0.363	22.25	-	-	136 123	99% 98%	9.75 12.8	32.33 43.9	0.16	355 452	6 0.148	6 5.5
1,2,3,7,8,9-HxCDF	ppt	$(3) \circ 11^{-1} + 10^{-1}$	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	144	94%	9.69	21.14	0.10	174	0.140	1.03
1,2,3,7,8-PCDD	ppt	(1) 0 in - 1 in	28	100%	988	1,648	1.3	6,960	-	-	161	100%	32.2	34.5	0.761	224	-	-	139	100%	64.8	72.2	2.4	386	-	-
1,2,3,7,8-PCDD	ppt	(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	29.2	26.1	1.01	122	-	-	139	100%	68.8	198	1.81	2,304	-	-
1,2,3,7,8-PCDD	ppt	(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	135	100%	40.4	64.2	0.300	376	-	-
1,2,3,7,8-PCDD 1,2,3,7,8-PCDF	ppt	(4) > 1 ft (1) 0 in - 1 in	0 28	- 100%	- 545	- 1,035	- 3.7	- 4,000	-	-	0 161	- 100%	- 23.8	- 37.0	- 0.3	- 238	-	-	149 139	95% 100%	56.0 51.0	493 67.8	0.145	6,025 409	0.096 -	0.335
1,2,3,7,8-PCDF	ppt ppt	(2) 1 in - 6 in	0	-	- 545	-	-	4,000	-	-	35	100%	29.9	51.0	0.235	230	-	-	139	100%	63.1	125	0.48	1,022	-	-
1,2,3,7,8-PCDF	ppt	(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	136	100%	50.4	89.6	0.289	707	-	-
1,2,3,7,8-PCDF	ppt	(4) > 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	154	99%	29.9	69.8	0.095	626	0.096	0.099
2,3,4,6,7,8-HxCDF	ppt	(1) 0 in - 1 in	27	100%	968	2,375	1.4	12,359	-	-	161	100%	21.0	34.1	0.506	251	-	-	139	94%	108	428	1.04	3,327	0.758	20.7
2,3,4,6,7,8-HxCDF 2,3,4,6,7,8-HxCDF	ppt ppt	(2) 1 in - 6 in (3) 6 in - 1 ft	0	-	-	-	-	-	-	-	35 0	100%	23.0	26.1 -	0.609 -	130	-	-	139 131	96% 95%	174 30.7	1,338 62.8	0.87	15,602 631	1.89 0.932	22.5 24.9
2,3,4,6,7,8-HxCDF	ppt	(3) 6 III - 1 II (4) > 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	150	73%	9.71	18.13	0.48	155	0.932	24.9
2,3,4,7,8-PCDF	ppt	(1) 0 in - 1 in	28	100%	668	1,217	2.8	5,952	-	-	161	100%	27.1	40.3	0.422	248	-	-	134	100%	84.3	200	1.77	1,357	-	-
2,3,4,7,8-PCDF	ppt	(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	31.1	40.7	0.541	197	-	-	138	100%	125	730	0.72	8,529	-	-
2,3,4,7,8-PCDF	ppt	(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	130	100%	58.3	98.2	0.583	841	-	-
2,3,4,7,8-PCDF 2,3,7,8-TCDD	ppt	(4) > 1 ft (1) 0 in - 1 in	0 28	- 100%	- 21,000	- 58.287	-	- 289,000	-	-	0	- 100%	- 62.5	- 66.8	- 0.739	- 398	-	-	148	99% 100%	28.4	50.2 156	0.167 3.2	393 934	0.295	0.295
2,3,7,8-TCDD 2,3,7,8-TCDD	ppt ppt	(2) 1 in - 6 in	28	-	- 21,000		0.8	289,000	-	-	161 35	100%	62.5 56.0	64.0	0.739	269	-	-	139 139	100%	113 91.7	97.4	2.81	934 532	-	-
2,3,7,8-TCDD	ppt	(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	136	100%	61.6	113	0.218	598	-	-
2,3,7,8-TCDD	ppt	(4) > 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	150	97%	20.0	43.4	0.111	311	0.157	0.679

Table 8-1 Summary Statistics of Dioxin Results by Data Set and Depth Part II - Remedial Investigastion Report The Dow Chemical Company, Michigan Operations

						2005/6 Do	ow On-Site							2006 C	OM Blind							2010 Do	w/MDEQ			
Analyte	Unit	Depth Interval	No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Min RL of NDs	Max RL of NDs	No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Min RL of NDs	Max RL of NDs	No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	Min RL of NDs	Max RL of NDs
2,3,7,8-TCDF	ppt	(1) 0 in - 1 in	28	100%	759	1,519	5	6,572	-	-	161	100%	33.1	58.6	0.416	412	-	-	137	100%	76.1	104	1.4	622	-	-
2,3,7,8-TCDF	ppt	(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	43.3	82.4	0.261	462	-	-	137	100%	81.2	134	0.74	935	-	-
2,3,7,8-TCDF	ppt	(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	134	100%	76.8	147	0.296	1,139	-	-
2,3,7,8-TCDF	ppt	(4) > 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	153	99%	43.9	107	0.151	863	0.137	0.804
OCDD	ppt	(1) 0 in - 1 in	28	100%	368,918	707,133	890	2,911,985	-	-	161	100%	12,514	15,684	104	121,000	-	-	139	100%	27,899	26,595	560	151,009	-	-
OCDD	ppt	(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	16,125	18,087	101	91,700	-	-	139	100%	21,755	22,254	348	146,440	-	-
OCDD	ppt	(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	138	100%	12,924	22,695	85.9	145,854	-	-
OCDD	ppt	(4) > 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	154	100%	5,181	8,951	4.21	59,361	-	-
OCDF	ppt	(1) 0 in - 1 in	28	100%	56,375	97,470	75	393,873	-	-	161	100%	1,202	1,445	7.48	9,900	-	-	139	100%	3,065	3,818	45.9	26,700	-	-
OCDF	ppt	(2) 1 in - 6 in	0	-	-	-	-	-	-	-	35	100%	1,616	1,783	7.07	7,440	-	-	138	100%	2,614	3,738	27.7	34,995	-	-
OCDF	ppt	(3) 6 in - 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	138	100%	1,935	3,797	8.95	26,000	-	-
OCDF	ppt	(4) > 1 ft	0	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	151	99%	851	1,587	1.04	10,600	2.23	2.23
																										'
Notes:																										
If duplicates exist,	the average c	of the duplicate re	sults was u	sed as a sir	ngle data po	pint.																				
Nondetects were s			limit (RL) fo	r the compu	itation of su	mmary stati	stics.																			
Laboratory QAQC	results are no	t included.																								
Missing data are p	ending to be i	ncluded.																								

Table 8-2 Summary Statistics of Dioxin Results for the Combined 2006 CH2M Hill and 2010 Dow and MDEQ Data Sets by Depth Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

			Summma	ry Statistics o	f Combined	2006 CH2M H	ill <u>and</u> 2010 D	ow/MDEQ		Compare to D	Dioxin Criteria	1
Chemical	Unit	Depth Interval	No. of Samples	Detection Rate	Mean	Std Dev	Min Detected Value	Max Detected Value	No. of Samples > 250 ppt	% of Samples > 250 ppt	No. of Samples > 300 ppt	% of Samples > 300 ppt
WHO-TEQ_2005	ppt	(1) 0 in - 1 in	361	100%	221	295	2.5	2750	102	28%	82	23%
WHO-TEQ_2005	ppt	(2) 1 in - 6 in	173	100%	303	817	2.9	10500	69	40%	56	32%
WHO-TEQ_2005	ppt	(3) 6 in - 1 ft	138	100%	196	282	0.49	1310	32	23%	28	20%
WHO-TEQ_2005	ppt	(4) > 1 ft	154	100%	76.8	109.4	0.231	807	11	7%	8	5%
Notes:												
If duplicates exist,	the ave	erage of the du	plicate resu	ults was use	d as a sing	le data poin	t.					
Nondetects were s	substitu	ited by half of r	eporting lim	nit (RL) for th	e computa	tion of sum	nary statisti	ics.				
Laboratory QAQC	results	are not includ	ed.				-					
Missing data are p	ending	to be included										

Property Address ¹	Property Zip	ZONING	Property ID Number	Property Acreage
Phase I 501 STATE ST	48640	MULT	14-21-10-622	0.99
	48640			0.99
704 E GROVE ST 615 E INDIAN ST	48640		14-21-10-630 14-16-50-064	0.17
611 E INDIAN ST	48640		14-16-50-063	0.33
502 GEORGE ST	48640		14-16-50-063	0.14
502 GEORGE ST	48640		14-16-50-062	0.13
612 E GROVE ST	48640		14-16-40-410	0.13
512 GEORGE ST	48640		14-16-50-058	0.17
512 GEORGE ST	48640		14-16-50-056	0.15
616 E GROVE ST	48640		14-16-40-406	0.10
515 E BUTTLES ST	48640		14-16-50-096	0.16
509 E BUTTLES ST	48640		14-16-50-095	0.10
411 GEORGE ST	48640		14-16-50-095	0.17
505 E BUTTLES ST	48640		14-16-50-094	0.17
415 GEORGE ST	48640		14-16-50-066	0.17
501 E BUTTLES ST	48640		14-16-50-092	0.17
412 CRONKRIGHT ST	48640		14-16-50-092	0.17
412 CRONKRIGHT ST	48640		14-16-50-090	0.17
1010 E GROVE ST	48640		14-21-10-410	1.31
1015 E GROVE ST	48640		14-21-10-408	0.17
915 E INDIAN ST	48640		14-21-10-536	0.17
1011 E GROVE ST	48640		14-21-10-330	0.17
909 E INDIAN ST	48640		14-21-10-534	0.17
609 FOURNIE ST	48640		14-21-10-346	0.17
602 HALEY ST	48640		14-21-10-340	0.17
916 E GROVE ST	48640		14-21-10-520	0.17
613 FOURNIE ST	48640		14-21-10-350	0.17
606 HALEY ST	48640		14-21-10-402	0.17
914 E GROVE ST	48640		14-21-10-522	0.17
901 E INDIAN ST	48640		14-21-10-530	0.33
510 MILL ST	48640		14-21-10-528	0.13
612 HALEY ST	48640		14-21-10-400	0.10
614 HALEY ST	48640		14-21-10-398	0.12
516 MILL ST	48640		14-21-10-524	0.20
915 E GROVE ST	48640		14-21-10-554	0.20
913 E GROVE ST	48640		14-21-10-552	0.17
811 E INDIAN ST	48640		14-21-10-604	0.33
613 HALEY ST	48640		14-21-10-538	0.00
602 MILL ST	48640		14-21-10-550	0.17
816 E GROVE ST	48640		14-21-10-590	0.17
615 HALEY ST	48640		14-21-10-540	0.17
606 MILL ST	48640		14-21-10-548	0.17
812 E GROVE ST	48640		14-21-10-592	0.17
610 MILL ST	48640		14-21-10-546	0.17
502 STATE ST	48640		14-21-10-600	0.50
906 E PINE ST	48640		14-21-10-542	0.03
808 E GROVE ST	48640		14-21-10-594	0.17
1110 E GROVE ST	48640		14-21-10-344	0.31
1110 E PINE ST	48640		14-21-10-308	1.20
613 E BUTTLES ST	48640		14-21-80-470	0.17
609 E BUTTLES ST	48640		14-21-80-468	0.17
616 E INDIAN ST	48640		14-21-80-492	0.17
612 E INDIAN ST	48640		14-21-80-492	0.21
402 GEORGE ST	48640		14-21-80-494	0.17
412 GEORGE ST	48640		14-21-80-499	0.34
412 GEORGE ST	48640		14-21-80-498	0.17

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Property Address ¹	Property Zip	ZONING	Property ID Number	Property Acreage
715 E BUTTLES ST	48640	OS	14-21-80-480	0.17
711 E BUTTLES ST	48640	OS	14-21-80-478	0.12
409 STATE ST	48640	OS	14-21-80-482	0.08
707 E BUTTLES ST	48640	OS	14-21-80-476	0.12
411 STATE ST	48640	OS	14-21-80-484	0.08
701 E BUTTLES ST	48640	OS	14-21-80-472	0.25
712 E INDIAN ST	48640		14-21-80-486	0.18
706 E INDIAN ST	48640		14-21-80-488	0.15
702 E INDIAN ST	48640	OS	14-21-80-490	0.12
306 KENT CT	48642		14-23-60-154	0.22
301 WALTER CT	48642		14-23-60-088	0.24
310 KENT CT	48642	RB	14-23-60-152	0.21
307 WALTER CT	48642	RB	14-23-60-090	0.26
309 WALTER CT	48642	RB	14-23-60-092	0.22
306 WALTER CT	48642	RB	14-23-60-080	1.47
314 KENT CT	48642	RB	14-23-60-148	0.15
311 WALTER CT	48642	RB	14-23-60-094	0.21
316 WALTER CT	48642	RB	14-23-60-078	0.47
320 WALTER CT	48642	RB	14-23-60-076	0.34
324 WALTER CT	48642	RB	14-23-60-074	0.34
322 KENT CT	48642	RB	14-23-60-144	0.23
328 WALTER CT	48642	RB	14-23-60-072	0.32
328 KENT CT	48642	RB	14-23-60-142	0.25
329 WALTER CT	48642	RB	14-23-60-102	0.22
332 WALTER CT	48642	RB	14-23-60-070	0.40
332 KENT CT	48642	RB	14-23-60-140	0.22
401 WALTER CT	48642	RB	14-23-60-106	0.22
400 WALTER CT	48642	RB	14-23-60-068	0.64
400 KENT CT	48642	RB	14-23-60-132	0.68
408 WALTER CT	48642	RB	14-23-60-064	0.48
410 KENT CT	48642	RB	14-23-60-131	0.18
409 WALTER CT	48642	RB	14-23-60-110	0.20
410 WALTER CT	48642	RB	14-23-60-062	0.49
412 KENT CT	48642	RB	14-23-60-130	0.27
413 WALTER CT	48642	RB	14-23-60-112	0.30
416 KENT CT	48642	RB	14-23-60-128	0.43
424 KENT CT	48642	RB	14-23-60-124	0.23
2201 MARK PUTNAM RD	48642	IA	14-23-50-060	2.07
425 WALTER CT	48642	RB	14-23-60-120	0.48
420 KENT CT	48642	RB	14-23-60-126	0.28
2208 BAY CITY RD	48642	RB	14-23-60-122	0.24
319 WALTER CT	48642	RB	14-23-60-098	0.18
318 KENT CT	48642	RB	14-23-60-146	0.22
325 WALTER CT	48642	RB	14-23-60-100	0.22
312 KENT CT	48642	RB	14-23-60-150	0.23
301 KENT CT	48642	RB	14-23-60-156	0.38
309 KENT CT		MULT	14-23-60-160	1.58
315 KENT CT		MULT	14-23-60-164	0.16
315 KENT CT		MULT	14-23-60-164	0.98
319 KENT CT	48642	MULT	14-23-60-168	0.49
323 KENT CT	48642	MULT	14-23-60-170	0.49
327 KENT CT	48642	MULT	14-23-60-172	0.97
331 KENT CT	48642	MULT	14-23-60-176	0.97
409 KENT CT	48642	RB	14-23-60-184	0.43
415 KENT CT	48642	RB	14-23-60-190	0.27
419 KENT CT	48642	RB	14-23-60-196	0.26
2127 MARK PUTNAM RD	48642	IA	14-23-50-070	0.95

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Property Address ¹ Phase II	Property Zip	ZONING	Property ID Number	Property Acreage
706 MILL ST	48640	RC	14-16-40-508	0.19
710 MILL ST	48640	RC	14-16-40-510	0.34
801 HALEY ST	48640	RA4	14-16-40-612	0.27
805 HALEY ST	48640	RA4	14-16-40-614	0.18
811 HALEY ST	48640	RA4	14-16-40-616	0.18
815 HALEY ST	48640	RA4	14-16-40-618	0.18
819 HALEY ST	48640	RA4	14-16-40-620	0.18
1001 HALEY ST	48640	RA4	14-16-40-622	0.18
1007 HALEY ST	48640	RA4	14-16-40-624	0.19
916 E CARPENTER ST	48640	RA4	14-16-40-626	0.23
912 & 914 E CARPENTER ST	-	RA4	14-16-40-630	0.18
906 E CARPENTER ST	48640	RA4	14-16-40-632	0.18
902 E CARPENTER ST	48640	RA4	14-16-40-634	0.25
1006 MILL ST	48640	RA4	14-16-40-636	0.19
1002 MILL ST	48640	RA4	14-16-40-638	0.19
820 MILL ST	48640	RA4	14-16-40-640	0.20
812 MILL ST	48640	RA4	14-16-40-642	0.19
810 MILL ST	48640	RA4	14-16-40-644	0.19
806 MILL ST	48640	RA4	14-16-40-646	0.19
802 MILL ST	48640	RA4	14-16-40-648	0.29
1110 E CARPENTER ST	48640	RB	14-16-40-649	0.55
811 FOURNIE ST	48640	RA4	14-16-40-654	0.19
813 FOURNIE ST	48640	RA4	14-16-40-656	0.19
819 FOURNIE ST	48640	RA4	14-16-40-658	0.19
1001 & 1,2 FOURNIE ST	48640	RA4	14-16-40-660	0.19
1007 FOURNIE ST	48640	RA4	14-16-40-662	0.19
1016 E CARPENTER ST	48640	RA4	14-16-40-664	0.25
1010 E CARPENTER ST	48640	RA4	14-16-40-666	0.17
1000 & 1006 E CARPENTER		NC	14-16-40-670	0.21
1014 & 1016 HALEY ST	48640	NC	14-16-40-672	0.24
1010 HALEY ST	48640	RA4	14-16-40-674	0.19
1002 HALEY ST	48640	RA4	14-16-40-676	0.19
818 & 1,2,3 HALEY ST	48640	RA4	14-16-40-678	0.18
816 & 816 1/2 HALEY ST	48640	RA4	14-16-40-680	0.19
810 HALEY ST	48640	RA4	14-16-40-682	0.19
806 HALEY ST	48640	RA4	14-16-40-684	0.19
806 FOURNIE ST	48640	RB	14-21-10-290	3.10
711 FOURNIE ST	48640	RB	14-21-10-316	0.19
715 FOURNIE ST	48640	RB	14-21-10-317	0.10
717 FOURNIE ST	48640	RB	14-21-10-318	0.09
719 FOURNIE ST	48640	RB	14-21-10-319	0.20
807 FOURNIE ST	48640	RA4	14-21-10-320	0.20
803 FOURNIE ST	48640	RA4	14-21-10-322	0.21
1109 E PINE ST	48640	RB	14-21-10-330	2.08
720 HALEY ST	48640	RA4	14-21-10-384	0.41
716 HALEY ST	48640	RB	14-21-10-386	0.19
712 HALEY ST	48640	RB	14-21-10-388	0.19
706 HALEY ST	48640	RB	14-21-10-390	0.19
702 HALEY ST	48640	RB	14-21-10-392	0.24
1009 E PINE ST	48640	RB	14-21-10-394	0.19
1013 E PINE ST	48640	RB	14-21-10-396	0.24
701 HALEY ST	48640	RC	14-21-10-558	0.43
711 HALEY ST	48640	RC	14-21-10-562	0.19
715 HALEY ST	48640	RC	14-21-10-564	0.15
907 E PINE ST	48640	RC	14-21-10-568	0.19
901 E PINE ST	48640	RC	14-21-10-508	0.15
800 E HALEY ST	48640	RB	14-15-50-012	0.23
804 & 808 E HALEY ST	48640	RB	14-15-50-012	0.19
SST & SUD L HALLI JI	48640	RB	14-15-50-010	0.23

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Property Address ¹	Property Zip	ZONING	Property ID Number	Property Acreage
716 E HALEY ST	48640	RB	14-15-50-016	0.19
712 E HALEY ST	48640	RB	14-15-50-018	0.19
704, 706, 708, & 710 E HALE	48640	RB	14-15-50-020	0.47

Notes:

¹ All Properties are within the City of Midland, MI

Zoning Codes

IA = Industrial

MULTI = Indicates that there is more than one zoning classification for that parcel

NC = Neighborhood Commercial

OS = Office Space

RA4 = Residential

RB = Residential

RC = Regional Commercial

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1	Property		Property ID	Property
Property Address ¹	Zip	Zoning	Number	Acreage
Phase I 2013	40540	.		0.40
1400 BAYLISS ST	48640	RC	14-15-50-108	0.18
1318 BAYLISS ST	48640	RC	14-15-50-110	0.11
1420 BAYLISS ST	48640	RC	14-15-50-112	0.38
1316 BAYLISS ST	48640	RC	14-15-50-116	0.11
1314 BAYLISS ST	48640	RC	14-15-50-118	0.11
1312 BAYLISS ST	48640	RC	14-15-50-120	0.11
1310 BAYLISS ST	48640	RC	14-15-50-122	0.11
1308 BAYLISS ST	48640	RC	14-15-50-124	0.11
1306 BAYLISS ST	48640	RC	14-15-50-126	0.11
1304 BAYLISS ST	48640	RC	14-15-50-128	0.11
1302 BAYLISS ST	48640	RC	14-15-50-130	0.11
501 E PATRICK RD	48642	RC	14-15-50-132	0.11
1422 BAYLISS ST	48640	RC	14-15-50-147	1.07
400 ARBURY PL	48640	RB	14-15-50-586	0.50
314 ARBURY PL	48640	RB	14-15-50-588	0.17
310 ARBURY PL	48640	RB	14-15-50-590	0.17
308 ARBURY PL	48640	RB	14-15-50-592	0.50
306 ARBURY PL	48640	RB	14-15-50-594	0.66
302 ARBURY PL	48640	RB	14-15-50-598	0.17
224 ARBURY PL	48640	RB	14-15-50-600	0.17
212 ARBURY PL	48640	RB	14-15-50-602	0.17
210 ARBURY PL	48640	RB	14-15-50-604	0.17
1418 LINCOLN ST	48640	RB	14-15-50-606	0.18
1414 LINCOLN ST	48640	RB	14-15-50-608	0.17
1410 LINCOLN ST	48640	RB	14-15-50-610	0.17
1406 LINCOLN ST	48640	RB	14-15-50-612	0.17
1408 LINCOLN ST	48640	RB	14-15-50-614	0.17
1402 LINCOLN ST	48640	RB	14-15-50-616	0.17
1318 LINCOLN ST	48640	RB	14-15-50-618	0.17
1312 LINCOLN ST	48640	RB	14-15-50-620	0.17
1314 LINCOLN ST	48640	RB	14-15-50-622	0.17
1310 LINCOLN ST	48640	RB	14-15-50-624	0.17
201 E PATRICK RD	48642	RB	14-15-50-626	0.17
205 E PATRICK RD	48642	RB	14-15-50-628	0.17
209 E PATRICK RD	48642	RB	14-15-50-630	0.36
217 E PATRICK RD	48642	RB	14-15-50-636	1.88
221 E PATRICK RD	48642	RB	14-15-50-650	5.22
311 E PATRICK RD	48642	RB	14-15-50-660	0.33
315 E PATRICK RD	48642	RB	14-15-50-664	0.17
413 E PATRICK RD	48642	RB	14-15-50-672	0.18
415 E PATRICK RD	48642	RB	14-15-50-674	0.25
116 ARBURY PL	48640	RB	14-15-50-724	0.23
1418 JEFFERSON AVE	48640	RB	14-15-50-726	0.14
1414 JEFFERSON AVE	48640	RB	14-15-50-728	0.14
1410 JEFFERSON AVE	48640	RB	14-15-50-730	0.12
1406 JEFFERSON AVE	48640	RB	14-15-50-732	0.16
1400 JEFFERSON AVE	48640	RB	14-15-50-734	0.10
1402 JUITENJON AVE	40040	ND	14-10-00-104	0.21

Property		Property ID	Property
	Zoning		Acreage
48640	RB		0.16
48640	RB		0.16
48640	RB	14-15-50-740	0.16
48640	RB	14-15-50-742	0.16
48640	RB	14-15-50-744	0.13
48640	RB	14-15-50-746	0.13
48642	RB	14-15-50-748	0.17
48642	RB	14-15-50-750	0.16
48640	RB	14-15-50-752	0.16
48640	RB	14-15-50-754	0.16
48640	RB	14-15-50-756	0.16
48640	RB	14-15-50-758	0.16
48640	RB	14-15-50-760	0.16
48640	RB	14-15-50-762	0.17
48640	RB	14-15-50-764	0.17
48640	RB	14-16-40-040	0.15
48640	RB	14-16-40-042	0.33
48640	RB	14-16-40-048	0.17
48640	RB	14-16-40-050	0.17
48640	RB	14-16-40-052	0.33
48640	RB		0.09
	RB		0.15
	RB		0.25
48640	RB	14-16-40-066	0.20
48640	RB	14-16-40-068	0.16
48640	RB	14-16-40-070	0.16
48640	RB	14-16-40-072	0.16
48640	RB	14-16-40-074	0.18
48640	RB	14-16-40-076	0.16
48640	RB	14-16-40-078	0.16
48640	RB	14-16-40-080	0.16
48640	RB	14-16-40-082	0.12
48640	RB	14-16-40-086	0.18
48640	RB	14-16-40-088	0.17
48640	RB	14-16-40-090	0.17
48640	RB	14-16-40-092	0.17
48640	RB	14-16-40-094	0.17
48640	RB	14-16-40-096	0.17
	RB	14-16-40-098	0.17
	RB	14-16-40-100	0.17
	RB	14-16-40-102	0.17
48640	RB	14-16-40-104	0.33
48640	RB	14-16-40-108	0.17
48640	RB	14-16-40-110	0.16
48640	RB	14-16-40-112	0.16
48640	RB	14-16-40-114	0.16
	RB	14-16-40-116	0.16
48640	RB	14-16-40-118	0.16
	Zip 48640 <td>ZipZoning48640RB<</td> <td>ZipZoningNumber48640RB14-15-50-73648640RB14-15-50-73848640RB14-15-50-74048640RB14-15-50-74248640RB14-15-50-74448640RB14-15-50-74648642RB14-15-50-74848642RB14-15-50-75048640RB14-15-50-75248640RB14-15-50-75448640RB14-15-50-75448640RB14-15-50-76448640RB14-15-50-76248640RB14-15-50-76448640RB14-15-50-76448640RB14-16-40-04248640RB14-16-40-04848640RB14-16-40-05248640RB14-16-40-05648640RB14-16-40-05648640RB14-16-40-05648640RB14-16-40-06648640RB14-16-40-07048640RB14-16-40-07248640RB14-16-40-07848640RB14-16-40-07248640RB14-16-40-07248640RB14-16-40-07248640RB14-16-40-07248640RB14-16-40-07848640RB14-16-40-07848640RB14-16-40-07848640RB14-16-40-08848640RB14-16-40-09848640RB14-16-40-09848640RB14-16-40-098<td< td=""></td<></td>	ZipZoning48640RB<	ZipZoningNumber48640RB14-15-50-73648640RB14-15-50-73848640RB14-15-50-74048640RB14-15-50-74248640RB14-15-50-74448640RB14-15-50-74648642RB14-15-50-74848642RB14-15-50-75048640RB14-15-50-75248640RB14-15-50-75448640RB14-15-50-75448640RB14-15-50-76448640RB14-15-50-76248640RB14-15-50-76448640RB14-15-50-76448640RB14-16-40-04248640RB14-16-40-04848640RB14-16-40-05248640RB14-16-40-05648640RB14-16-40-05648640RB14-16-40-05648640RB14-16-40-06648640RB14-16-40-07048640RB14-16-40-07248640RB14-16-40-07848640RB14-16-40-07248640RB14-16-40-07248640RB14-16-40-07248640RB14-16-40-07248640RB14-16-40-07848640RB14-16-40-07848640RB14-16-40-07848640RB14-16-40-08848640RB14-16-40-09848640RB14-16-40-09848640RB14-16-40-098 <td< td=""></td<>

	Property		Property ID	Property
Property Address ¹	Zip	Zoning	Number	Acreage
1313 FRANKLIN ST	48640	RB	14-16-40-120	0.18
1316 HALEY ST	48640	RA4	14-16-40-122	0.18
1310 HALEY ST	48640	RA4	14-16-40-124	0.17
1306 HALEY ST	48640	RA4	14-16-40-126	0.17
1302 HALEY ST	48640	RA4	14-16-40-128	0.17
1118 HALEY ST	48640	RA4	14-16-40-130	0.17
1116 HALEY ST	48640	RA4	14-16-40-132	0.17
1112 HALEY ST	48640	RA4	14-16-40-134	0.17
1001 E CARPENTER ST	48640	NC	14-16-40-136	0.17
1007 E CARPENTER ST	48640	RA1	14-16-40-138	0.17
1009 E CARPENTER ST	48640	RA4	14-16-40-140	0.17
1015 E CARPENTER ST	48640	RA4	14-16-40-142	0.17
1111 FOURNIE ST	48640	RA4	14-16-40-144	0.17
1115 FOURNIE ST	48640	RA4	14-16-40-146	0.17
1119 FOURNIE ST	48640	RA4	14-16-40-148	0.16
1301 FOURNIE ST	48640	RA4	14-16-40-150	0.16
1307 FOURNIE ST	48640	RA4	14-16-40-152	0.16
1311 FOURNIE ST	48640	RA4	14-16-40-154	0.16
1315 FOURNIE ST	48640	RA4	14-16-40-156	0.18
1316 MILL ST	48640	RA4	14-16-40-160	0.18
1312 MILL ST	48640	RA4	14-16-40-162	0.17
1308 MILL ST	48640	RA4	14-16-40-164	0.17
1302 MILL ST	48640	RA4	14-16-40-166	0.17
1120 MILL ST	48640	RA4	14-16-40-168	0.17
1116 MILL ST	48640	RA4	14-16-40-170	0.17
1112 MILL ST	48640	RA4	14-16-40-172	0.17
903 E CARPENTER ST	48640	RA4	14-16-40-174	0.17
905 E CARPENTER ST	48640	RA4	14-16-40-176	0.17
911 E CARPENTER ST	48640	RA4	14-16-40-178	0.17
915 E CARPENTER ST	48640	NC	14-16-40-180	0.17
1109 HALEY ST	48640	RA4	14-16-40-182	0.17
1113 HALEY ST	48640	RA4	14-16-40-184	0.17
1117 HALEY ST	48640	RA4	14-16-40-186	0.17
1301 HALEY ST	48640	RA4	14-16-40-188	0.17
1307 HALEY ST	48640	RA4	14-16-40-190	0.16
1311 HALEY ST	48640	RA4	14-16-40-192	0.16
916 NORTH ST	48640	RA4	14-16-40-194	0.18
1316 STATE ST	48640	RA4	14-16-40-248	0.18
1310 STATE ST	48640	RA4	14-16-40-250	0.17
1306 STATE ST	48640	RA4	14-16-40-252	0.17
1302 STATE ST	48640	RA4	14-16-40-254	0.17
1120 STATE ST	48640	RA4	14-16-40-256	0.17
1114 STATE ST	48640	RA4	14-16-40-258	0.17
1110 STATE ST	48640	RA4	14-16-40-260	0.17
803 E CARPENTER ST	48640	RA4	14-16-40-262	0.17
805 E CARPENTER ST	48640	RA4	14-16-40-264	0.17
809 E CARPENTER ST	48640	RA4	14-16-40-266	0.17
815 E CARPENTER ST	48640	RA4	14-16-40-268	0.17
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Property Address ¹	Property	Zoning	Property ID	Property
1109 MILL ST	Zip	RA4	Number 14-16-40-270	Acreage 0.17
1109 MILL ST 1115 MILL ST	48640 48640	RA4 RA4	14-16-40-270 14-16-40-272	0.17
1117 MILL ST	48640	RA4	14-16-40-272	0.17
1303 MILL ST	48640	RA4 RA4	14-16-40-274	0.17
1307 MILL ST	48640	RA4 RA4	14-16-40-278	0.16
1309 MILL ST	48640	RA4 RA4	14-16-40-280	0.10
1315 MILL ST	48640	RA4	14-16-40-282	0.10
706 CRONKRIGHT ST	48640	RB	14-16-40-392	0.18
505 E PINE ST	48640	RB	14-16-40-394	0.22
701 GEORGE ST	48640	RB	14-16-40-396	0.17
705 GEORGE ST	48640	RB	14-16-40-398	0.23
713 GEORGE ST	48640	RB	14-16-40-400	0.18
715 GEORGE ST	48640	IA	14-16-40-402	0.18
615 GEORGE ST	48640	RB	14-16-40-404	0.18
609 GEORGE ST	48640	RB	14-16-40-405	0.18
611 E GROVE ST	48640	RB	14-16-40-414	0.13
615 E GROVE ST	48640	RB	14-16-40-416	0.17
701 E GROVE ST	48640	RB	14-16-40-418	0.17
703 E GROVE ST	48640	RB	14-16-40-418	0.17
709 E GROVE ST	48640	RB	14-16-40-422	0.14
601 STATE ST	48640	RB	14-16-40-424	0.14
605 STATE ST	48640	RB	14-16-40-424	0.11
716 E PINE ST	48640	RB	14-16-40-428	0.11
710 E PINE ST	48640	RB	14-16-40-430	0.17
706 E PINE ST	48640	RB	14-16-40-432	0.17
702 E PINE ST	48640	RB	14-16-40-434	0.17
616 E PINE ST	48640	RB	14-16-40-436	0.14
610 E PINE ST	48640	RB	14-16-40-438	0.25
614 GEORGE ST	48640	RB	14-16-40-442	0.07
610 GEORGE ST	48640	RB	14-16-40-444	0.21
604 GEORGE ST	48640	RB	14-16-40-448	0.17
602 GEORGE ST	48640	RB	14-16-40-450	0.17
609 E PINE ST	48640	RB	14-16-40-452	0.13
611 E PINE ST	48640	RB	14-16-40-454	0.15
613 E PINE ST	48640	RB	14-16-40-456	0.17
701 E PINE ST	48640	RB	14-16-40-458	0.17
705 E PINE ST	48640	RB	14-16-40-460	0.17
709 E PINE ST	48640	RB	14-16-40-462	0.14
701 STATE ST	48640	RB	14-16-40-464	0.11
705 STATE ST	48640	RB	14-16-40-466	0.12
711 STATE ST	48640	RB	14-16-40-468	0.15
715 STATE ST	48640	RB	14-16-40-470	0.18
708 E UNION ST	48640	RB	14-16-40-472	0.18
704 E UNION ST	48640	RB	14-16-40-474	0.18
702 E UNION ST	48640	RB	14-16-40-476	0.18
712 GEORGE ST	48640	IA	14-16-40-478	0.55
708 GEORGE ST	48640	RB	14-16-40-484	0.21
716 STATE ST	48640	RB	14-16-40-488	0.29
/ 10 JIAIL JI	-00-0	טא	14-10-40-400	0.20

Property Address ¹ Zip Zoning Number Acreage 706 STATE ST 48640 RB 14-16-40-492 0.17 704 STATE ST 48640 RB 14-16-40-492 0.17 702 STATE ST 48640 RB 14-16-40-494 0.17 616 STATE ST 48640 RB 14-16-40-4948 0.17 610 STATE ST 48640 RB 14-16-40-500 0.21 707 MILL ST 48640 RB 14-16-40-502 0.18 711 MILL ST 48640 RB 14-16-40-502 0.18 715 MILL ST 48640 RA 14-16-40-502 0.17 801 MILL ST 48640 RA4 14-16-40-506 0.25 805 MILL ST 48640 RA4 14-16-40-584 0.17 813 MILL ST 48640 RA4 14-16-40-584 0.17 1005 MILL ST 48640 RA4 14-16-40-584 0.17 1005 MILL ST 48640 RA4 14-16-40-598 0.17 1		Property		Property ID	Property
704 STATE ST 48640 RB 14-16-40-492 0.17 702 STATE ST 48640 RB 14-16-40-494 0.17 616 STATE ST 48640 RB 14-16-40-496 0.17 815 E PINE ST 48640 RB 14-16-40-498 0.17 815 E PINE ST 48640 RB 14-16-40-500 0.21 707 MILL ST 48640 RB 14-16-40-500 0.21 711 MILL ST 48640 RB 14-16-40-506 0.21 801 MILL ST 48640 RA4 14-16-40-576 0.25 805 MILL ST 48640 RA4 14-16-40-580 0.17 813 MILL ST 48640 RA4 14-16-40-584 0.17 1001 MILL ST 48640 RA4 14-16-40-584 0.17 1005 MILL ST 48640 RA4 14-16-40-584 0.17 1005 MILL ST 48640 RA4 14-16-40-584 0.17 1005 MILL ST 48640 RA4 14-16-40-594 0.17 812 E CARPENTER ST 48640 RA4 14-16-40-594 0.17	Property Address ¹	Zip	Zoning	Number	Acreage
702 STATE ST 48640 RB 14-16-40-494 0.17 616 STATE ST 48640 RB 14-16-40-498 0.17 610 STATE ST 48640 RB 14-16-40-500 0.21 707 MILL ST 48640 RB 14-16-40-500 0.21 707 MILL ST 48640 RB 14-16-40-502 0.18 711 MILL ST 48640 RB 14-16-40-506 0.21 801 MILL ST 48640 RA 14-16-40-576 0.25 805 MILL ST 48640 RA4 14-16-40-578 0.17 813 MILL ST 48640 RA4 14-16-40-584 0.17 813 MILL ST 48640 RA4 14-16-40-584 0.17 1001 MILL ST 48640 RA4 14-16-40-584 0.17 1005 MILL ST 48640 RA4 14-16-40-598 0.17 1005 MILL ST 48640 RA4 14-16-40-598 0.17 1005 MILL ST 48640 RA4 14-16-40-594 0.17 1005 STATE ST 48640 RA4 14-16-40-692 0.16 82	706 STATE ST	48640	RB	14-16-40-490	0.17
616 STATE ST 48640 RB 14-16-40-496 0.17 610 STATE ST 48640 RB 14-16-40-498 0.17 815 E PINE ST 48640 RB 14-16-40-500 0.21 707 MILL ST 48640 RB 14-16-40-502 0.18 711 MILL ST 48640 RB 14-16-40-576 0.25 805 MILL ST 48640 RA4 14-16-40-576 0.25 805 MILL ST 48640 RA4 14-16-40-578 0.17 811 MILL ST 48640 RA4 14-16-40-580 0.17 813 MILL ST 48640 RA4 14-16-40-580 0.17 1001 MILL ST 48640 RA4 14-16-40-580 0.17 1005 MILL ST 48640 RA4 14-16-40-590 0.17 812 E CARPENTER ST 48640 RA4 14-16-40-590 0.17 802 E CARPENTER ST 48640 RA4 14-16-40-590 0.17 802 E CARPENTER ST 48640 RA4 14-16-40-590 0.17 802 E CARPENTER ST 48640 RA4 14-16-40-500 0.16 <	704 STATE ST	48640	RB	14-16-40-492	0.17
610 STATE ST 48640 RB 14-16-40-498 0.17 815 E PINE ST 48640 RB 14-16-40-500 0.21 707 MILL ST 48640 RB 14-16-40-504 0.18 711 MILL ST 48640 RB 14-16-40-506 0.21 801 MILL ST 48640 RA 14-16-40-576 0.25 805 MILL ST 48640 RA4 14-16-40-578 0.17 813 MILL ST 48640 RA4 14-16-40-580 0.17 813 MILL ST 48640 RA4 14-16-40-582 0.17 813 MILL ST 48640 RA4 14-16-40-584 0.17 1005 MILL ST 48640 RA4 14-16-40-586 0.17 1005 MILL ST 48640 RA4 14-16-40-590 0.17 1005 MILL ST 48640 RA4 14-16-40-590 0.17 1005 MILL ST 48640 RA4 14-16-40-590 0.17 1005 STATE ST 48640 RA4 14-16-40-590 0.17 1008 STATE ST 48640 RA4 14-16-40-600 0.16 <td< td=""><td>702 STATE ST</td><td>48640</td><td>RB</td><td>14-16-40-494</td><td>0.17</td></td<>	702 STATE ST	48640	RB	14-16-40-494	0.17
815 E PINE ST 48640 RB 14-16-40-500 0.21 707 MILL ST 48640 RB 14-16-40-502 0.18 711 MILL ST 48640 RB 14-16-40-506 0.21 801 MILL ST 48640 RA 14-16-40-506 0.21 801 MILL ST 48640 RA4 14-16-40-576 0.25 805 MILL ST 48640 RA4 14-16-40-580 0.17 813 MILL ST 48640 RA4 14-16-40-582 0.17 817 MILL ST 48640 RA4 14-16-40-584 0.17 1001 MILL ST 48640 RA4 14-16-40-584 0.17 1005 MILL ST 48640 RA4 14-16-40-590 0.17 1005 MILL ST 48640 RA4 14-16-40-592 0.17 806 E CARPENTER ST 48640 RA4 14-16-40-592 0.17 802 E CARPENTER ST 48640 RA4 14-16-40-592 0.17 802 E CARPENTER ST 48640 RA4 14-16-40-594 0.17 1004 STATE ST 48640 RA4 14-16-40-600 0.16	616 STATE ST	48640	RB	14-16-40-496	0.17
707 MILL ST 48640 RB 14-16-40-502 0.18 711 MILL ST 48640 RB 14-16-40-504 0.18 715 MILL ST 48640 RA 14-16-40-576 0.25 801 MILL ST 48640 RA4 14-16-40-576 0.25 805 MILL ST 48640 RA4 14-16-40-578 0.17 811 MILL ST 48640 RA4 14-16-40-582 0.17 813 MILL ST 48640 RA4 14-16-40-582 0.17 813 MILL ST 48640 RA4 14-16-40-584 0.17 1001 MILL ST 48640 RA4 14-16-40-586 0.17 1005 MILL ST 48640 RA4 14-16-40-590 0.17 806 E CARPENTER ST 48640 RA4 14-16-40-592 0.17 806 E CARPENTER ST 48640 RA4 14-16-40-598 0.17 1004 STATE ST 48640 RA4 14-16-40-598 0.17 1004 STATE ST 48640 RA4 14-16-40-600 0.16 810 STATE ST 48640 RA4 14-16-40-600 0.16 <t< td=""><td>610 STATE ST</td><td>48640</td><td>RB</td><td>14-16-40-498</td><td>0.17</td></t<>	610 STATE ST	48640	RB	14-16-40-498	0.17
711 MILL ST 48640 RB 14-16-40-504 0.18 715 MILL ST 48640 RA4 14-16-40-506 0.21 801 MILL ST 48640 RA4 14-16-40-576 0.25 805 MILL ST 48640 RA4 14-16-40-578 0.17 811 MILL ST 48640 RA4 14-16-40-582 0.17 813 MILL ST 48640 RA4 14-16-40-582 0.17 817 MILL ST 48640 RA4 14-16-40-582 0.17 1005 MILL ST 48640 RA4 14-16-40-584 0.17 1005 MILL ST 48640 RA4 14-16-40-592 0.17 814 E CARPENTER ST 48640 RA4 14-16-40-590 0.17 805 E CARPENTER ST 48640 RA4 14-16-40-590 0.17 1008 STATE ST 48640 RA4 14-16-40-598 0.17 1004 STATE ST 48640 RA4 14-16-40-600 0.16 820 STATE ST 48640 RA4 14-16-40-600 0.16 805 STATE ST 48640 RA4 14-16-40-601 0.16	815 E PINE ST	48640	RB	14-16-40-500	0.21
715 MILL ST 48640 RB 14-16-40-506 0.21 801 MILL ST 48640 RA4 14-16-40-576 0.25 805 MILL ST 48640 RA4 14-16-40-576 0.17 811 MILL ST 48640 RA4 14-16-40-582 0.17 813 MILL ST 48640 RA4 14-16-40-584 0.17 1001 MILL ST 48640 RA4 14-16-40-584 0.17 1005 MILL ST 48640 RA4 14-16-40-594 0.17 806 E CARPENTER ST 48640 RA4 14-16-40-594 0.17 805 E CARPENTER ST 48640 RA4 14-16-40-598 0.17 1008 STATE ST 48640 RA4 14-16-40-600 0.16 810 STATE ST 48640 RA4 14-16-40-608 0.16 810 STATE ST 48640 RA4 14-16-40-608 0.16	707 MILL ST	48640	RB	14-16-40-502	0.18
801 MILL ST 48640 RA4 14-16-40-576 0.25 805 MILL ST 48640 RA4 14-16-40-578 0.17 811 MILL ST 48640 RA4 14-16-40-582 0.17 813 MILL ST 48640 RA4 14-16-40-582 0.17 817 MILL ST 48640 RA4 14-16-40-586 0.17 1001 MILL ST 48640 RA4 14-16-40-586 0.17 1005 MILL ST 48640 RA4 14-16-40-596 0.17 814 E CARPENTER ST 48640 RA4 14-16-40-590 0.17 806 E CARPENTER ST 48640 RA4 14-16-40-596 0.17 806 E CARPENTER ST 48640 RA4 14-16-40-598 0.17 1008 STATE ST 48640 RA4 14-16-40-598 0.17 1004 STATE ST 48640 RA4 14-16-40-600 0.16 810 STATE ST 48640 RA4 14-16-40-600 0.16 810 STATE ST 48640 RA4 14-16-40-608 0.16	711 MILL ST	48640	RB	14-16-40-504	0.18
805 MILL ST 48640 RA4 14-16-40-578 0.17 811 MILL ST 48640 RA4 14-16-40-580 0.17 813 MILL ST 48640 RA4 14-16-40-582 0.17 817 MILL ST 48640 RA4 14-16-40-584 0.17 1001 MILL ST 48640 RA4 14-16-40-586 0.17 1005 MILL ST 48640 RA4 14-16-40-590 0.17 812 E CARPENTER ST 48640 RA4 14-16-40-592 0.17 802 E CARPENTER ST 48640 RA4 14-16-40-593 0.17 1008 STATE ST 48640 RA4 14-16-40-598 0.17 1008 STATE ST 48640 RA4 14-16-40-598 0.17 1004 STATE ST 48640 RA4 14-16-40-600 0.16 820 STATE ST 48640 RA4 14-16-40-602 0.16 802 STATE ST 48640 RA4 14-16-40-608 0.16 802 STATE ST 48640 RA4 14-16-50-010 0.25	715 MILL ST	48640	RB	14-16-40-506	0.21
811 MILL ST 48640 RA4 14-16-40-580 0.17 813 MILL ST 48640 RA4 14-16-40-582 0.17 1001 MILL ST 48640 RA4 14-16-40-586 0.17 1005 MILL ST 48640 RA4 14-16-40-586 0.17 1005 MILL ST 48640 RA4 14-16-40-588 0.17 814 E CARPENTER ST 48640 RA4 14-16-40-590 0.17 812 E CARPENTER ST 48640 RA4 14-16-40-590 0.17 802 E CARPENTER ST 48640 RA4 14-16-40-590 0.17 1004 STATE ST 48640 RA4 14-16-40-598 0.17 1004 STATE ST 48640 RA4 14-16-40-600 0.16 820 STATE ST 48640 RA4 14-16-40-600 0.16 810 STATE ST 48640 RA4 14-16-40-600 0.16 802 STATE ST 48640 RA4 14-16-40-600 0.16 802 STATE ST 48640 RA4 14-16-40-600 0.16 802 STATE ST 48640 RA4 14-16-50-010 0.25	801 MILL ST	48640	RA4	14-16-40-576	0.25
813 MILL ST 48640 RA4 14-16-40-582 0.17 817 MILL ST 48640 RA4 14-16-40-584 0.17 1001 MILL ST 48640 RA4 14-16-40-586 0.17 1005 MILL ST 48640 RA4 14-16-40-586 0.17 814 E CARPENTER ST 48640 RA4 14-16-40-590 0.17 812 E CARPENTER ST 48640 RA4 14-16-40-594 0.17 806 E CARPENTER ST 48640 RA4 14-16-40-598 0.17 806 E CARPENTER ST 48640 RA4 14-16-40-598 0.17 1004 STATE ST 48640 RA4 14-16-40-600 0.16 820 STATE ST 48640 RA4 14-16-40-600 0.16 810 STATE ST 48640 RA4 14-16-40-604 0.16 810 STATE ST 48640 RA4 14-16-40-606 0.16 805 STATE ST 48640 RA4 14-16-40-608 0.16 805 STATE ST 48640 RA4 14-16-50-018 0.10 610 STATE ST 48640 RA 14-16-50-018 0.16 <td>805 MILL ST</td> <td>48640</td> <td>RA4</td> <td>14-16-40-578</td> <td>0.17</td>	805 MILL ST	48640	RA4	14-16-40-578	0.17
817 MILL ST 48640 RA4 14-16-40-584 0.17 1001 MILL ST 48640 RA4 14-16-40-586 0.17 1005 MILL ST 48640 RA4 14-16-40-588 0.17 814 E CARPENTER ST 48640 RA4 14-16-40-590 0.17 812 E CARPENTER ST 48640 RA4 14-16-40-592 0.17 806 E CARPENTER ST 48640 RA4 14-16-40-596 0.17 1008 STATE ST 48640 RA4 14-16-40-598 0.17 1004 STATE ST 48640 RA4 14-16-40-598 0.17 1004 STATE ST 48640 RA4 14-16-40-600 0.16 820 STATE ST 48640 RA4 14-16-40-600 0.16 805 STATE ST 48640 RA4 14-16-40-604 0.16 802 STATE ST 48640 RA4 14-16-40-608 0.16 802 STATE ST 48640 RA4 14-16-40-608 0.16 802 STATE ST 48640 RA4 14-16-50-010 0.30 401 E PINE ST 48640 RB 14-16-50-010 0.15	811 MILL ST	48640	RA4	14-16-40-580	0.17
1001 MILL ST 48640 RA4 14-16-40-586 0.17 1005 MILL ST 48640 RA4 14-16-40-588 0.17 814 E CARPENTER ST 48640 RA4 14-16-40-590 0.17 812 E CARPENTER ST 48640 RA4 14-16-40-592 0.17 806 E CARPENTER ST 48640 RA4 14-16-40-594 0.17 802 E CARPENTER ST 48640 RA4 14-16-40-598 0.17 1008 STATE ST 48640 RA4 14-16-40-600 0.16 820 STATE ST 48640 RA4 14-16-40-602 0.16 810 STATE ST 48640 RA4 14-16-40-600 0.16 820 STATE ST 48640 RA4 14-16-40-600 0.16 810 STATE ST 48640 RA4 14-16-40-600 0.16 802 STATE ST 48640 RA4 14-16-40-600 0.16 802 STATE ST 48640 RA4 14-16-40-600 0.16 802 STATE ST 48640 RA4 14-16-50-010 0.30 401 E PINE ST 48640 RB 14-16-50-010 0.30	813 MILL ST	48640	RA4	14-16-40-582	0.17
1005 MILL ST 48640 RA4 14-16-40-588 0.17 814 E CARPENTER ST 48640 RA4 14-16-40-590 0.17 812 E CARPENTER ST 48640 RA4 14-16-40-592 0.17 806 E CARPENTER ST 48640 RA4 14-16-40-594 0.17 802 E CARPENTER ST 48640 RA4 14-16-40-598 0.17 1008 STATE ST 48640 RA4 14-16-40-598 0.17 1004 STATE ST 48640 RA4 14-16-40-690 0.16 820 STATE ST 48640 RA4 14-16-40-600 0.16 810 STATE ST 48640 RA4 14-16-40-600 0.16 810 STATE ST 48640 RA4 14-16-40-600 0.16 802 STATE ST 48640 RA4 14-16-60-608 0.16 802 STATE ST 48640 RA4 14-16-50-010 0.25 712 TOWNSEND ST 48640 RA 14-16-50-010 0.30 405 E PINE ST 48640 RB 14-16-50-014 0.15 415 E PINE ST 48640 RB 14-16-50-024 0	817 MILL ST	48640	RA4	14-16-40-584	0.17
814 E CARPENTER ST 48640 RA4 14-16-40-590 0.17 812 E CARPENTER ST 48640 RA4 14-16-40-592 0.17 806 E CARPENTER ST 48640 RA4 14-16-40-594 0.17 802 E CARPENTER ST 48640 RA4 14-16-40-598 0.17 1004 STATE ST 48640 RA4 14-16-40-598 0.17 1004 STATE ST 48640 RA4 14-16-40-600 0.16 820 STATE ST 48640 RA4 14-16-40-600 0.16 810 STATE ST 48640 RA4 14-16-40-600 0.16 810 STATE ST 48640 RA4 14-16-40-600 0.16 806 STATE ST 48640 RA4 14-16-40-608 0.16 802 STATE ST 48640 RA4 14-16-50-008 0.83 401 E PINE ST 48640 RB 14-16-50-010 0.30 405 E PINE ST 48640 RB 14-16-50-016 0.17 709 CRONKRIGHT ST 48640 RB 14-16-50-018 0.10 612 CRONKRIGHT ST 48640 RB 14-16-50-028	1001 MILL ST	48640	RA4	14-16-40-586	0.17
812 E CARPENTER ST 48640 RA4 14-16-40-592 0.17 806 E CARPENTER ST 48640 RA4 14-16-40-594 0.17 802 E CARPENTER ST 48640 RA4 14-16-40-596 0.17 1008 STATE ST 48640 RA4 14-16-40-598 0.17 1004 STATE ST 48640 RA4 14-16-40-600 0.16 820 STATE ST 48640 RA4 14-16-40-602 0.16 816 STATE ST 48640 RA4 14-16-40-604 0.16 810 STATE ST 48640 RA4 14-16-40-608 0.16 800 STATE ST 48640 RA4 14-16-40-608 0.16 802 STATE ST 48640 RA4 14-16-50-010 0.25 712 TOWNSEND ST 48640 RB 14-16-50-010 0.30 401 E PINE ST 48640 RB 14-16-50-010 0.30 405 E PINE ST 48640 RB 14-16-50-010 0.17 709 CRONKRIGHT ST 48640 RB 14-16-50-010 0.17 612 CRONKRIGHT ST 48640 RB 14-16-50-016 <td< td=""><td>1005 MILL ST</td><td>48640</td><td>RA4</td><td>14-16-40-588</td><td>0.17</td></td<>	1005 MILL ST	48640	RA4	14-16-40-588	0.17
806 E CARPENTER ST 48640 RA4 14-16-40-594 0.17 802 E CARPENTER ST 48640 RA4 14-16-40-596 0.17 1008 STATE ST 48640 RA4 14-16-40-598 0.17 1004 STATE ST 48640 RA4 14-16-40-598 0.17 1004 STATE ST 48640 RA4 14-16-40-600 0.16 820 STATE ST 48640 RA4 14-16-40-602 0.16 816 STATE ST 48640 RA4 14-16-40-604 0.16 800 STATE ST 48640 RA4 14-16-40-608 0.16 802 STATE ST 48640 RA4 14-16-40-608 0.16 802 STATE ST 48640 RA4 14-16-50-010 0.25 712 TOWNSEND ST 48640 RB 14-16-50-010 0.30 401 E PINE ST 48640 RB 14-16-50-014 0.15 415 E PINE ST 48640 RB 14-16-50-028 0.17 709 CRONKRIGHT ST 48640 RB 14-16-50-024 0.15	814 E CARPENTER ST	48640	RA4	14-16-40-590	0.17
802 E CARPENTER ST 48640 RA4 14-16-40-596 0.17 1008 STATE ST 48640 RA4 14-16-40-598 0.17 1004 STATE ST 48640 RA4 14-16-40-598 0.17 1004 STATE ST 48640 RA4 14-16-40-600 0.16 820 STATE ST 48640 RA4 14-16-40-602 0.16 816 STATE ST 48640 RA4 14-16-40-604 0.16 810 STATE ST 48640 RA4 14-16-40-608 0.16 802 STATE ST 48640 RA4 14-16-40-608 0.16 802 STATE ST 48640 RA4 14-16-50-010 0.25 712 TOWNSEND ST 48640 RB 14-16-50-010 0.30 405 E PINE ST 48640 RB 14-16-50-014 0.15 415 E PINE ST 48640 RB 14-16-50-018 0.10 616 CRONKRIGHT ST 48640 RB 14-16-50-028 0.17 709 CRONKRIGHT ST 48640 RB 14-16-50-028 0.17 501 E GROVE ST 48640 RB 14-16-50-038 0.17	812 E CARPENTER ST	48640	RA4	14-16-40-592	0.17
1008 STATE ST48640RA414-16-40-5980.171004 STATE ST48640RA414-16-40-6000.16820 STATE ST48640RA414-16-40-6020.16816 STATE ST48640RA414-16-40-6040.16810 STATE ST48640RA414-16-40-6080.16806 STATE ST48640RA414-16-40-6080.16802 STATE ST48640RA414-16-40-6100.25712 TOWNSEND ST48640RC14-16-50-0080.83401 E PINE ST48640RB14-16-50-0140.15415 E PINE ST48640RB14-16-50-0140.15415 E PINE ST48640RB14-16-50-0180.10616 CRONKRIGHT ST48640RB14-16-50-0180.10616 CRONKRIGHT ST48640RB14-16-50-0240.15501 E GROVE ST48640RB14-16-50-0380.17505 E GROVE ST48640RB14-16-50-0340.33410 E PINE ST48640RB14-16-50-0440.17515 E GROVE ST48640RB14-16-50-0440.17616 TOWNSEND ST48640RB14-16-50-0440.17505 E GROVE ST48640RB14-16-50-0440.17616 TOWNSEND ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0460.12614 TOWNSEND ST48640RB14-16-50-0460.12602 TOWNSEND ST48	806 E CARPENTER ST	48640	RA4	14-16-40-594	0.17
1004 STATE ST48640RA414-16-40-6000.16820 STATE ST48640RA414-16-40-6020.16816 STATE ST48640RA414-16-40-6040.16810 STATE ST48640RA414-16-40-6060.16806 STATE ST48640RA414-16-40-6080.16802 STATE ST48640RA414-16-40-6100.25712 TOWNSEND ST48640RC14-16-50-0080.83401 E PINE ST48640RB14-16-50-0140.15415 E PINE ST48640RB14-16-50-0160.17709 CRONKRIGHT ST48640RB14-16-50-0240.15612 CRONKRIGHT ST48640RB14-16-50-0260.15501 E GROVE ST48640RB14-16-50-0300.17505 E GROVE ST48640RB14-16-50-0340.33410 E PINE ST48640RB14-16-50-0340.33410 E PINE ST48640RB14-16-50-0440.17505 E GROVE ST48640RB14-16-50-0380.17466 E PINE ST48640RB14-16-50-0440.12614 TOWNSEND ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0460.12614 TOWNSEND ST48640RB14-16-50-0460.12615 CRONKRIGHT ST48640RB14-16-50-0500.17413 E GROVE ST48640RB14-16-50-0500.17615 CRONKRIGHT ST <td< td=""><td>802 E CARPENTER ST</td><td>48640</td><td>RA4</td><td>14-16-40-596</td><td>0.17</td></td<>	802 E CARPENTER ST	48640	RA4	14-16-40-596	0.17
820 STATE ST48640RA414-16-40-6020.16816 STATE ST48640RA414-16-40-6040.16800 STATE ST48640RA414-16-40-6080.16802 STATE ST48640RA414-16-40-6080.16802 STATE ST48640RA414-16-40-6100.25712 TOWNSEND ST48640RC14-16-50-0080.83401 E PINE ST48640RB14-16-50-0100.30405 E PINE ST48640RB14-16-50-0160.17709 CRONKRIGHT ST48640RB14-16-50-0160.17709 CRONKRIGHT ST48640RB14-16-50-0240.15612 CRONKRIGHT ST48640RB14-16-50-0260.15501 E GROVE ST48640RB14-16-50-0280.17505 E GROVE ST48640RB14-16-50-0380.17505 E GROVE ST48640RB14-16-50-0380.17505 E GROVE ST48640RB14-16-50-0440.4604 TOWNSEND ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0440.12614 TOWNSEND ST48640RB14-16-50-0480.21614 TOWNSEND ST48640RB14-16-50-0460.12614 TOWNSEND ST48640RB14-16-50-0460.12614 TOWNSEND ST48640RB14-16-50-0500.17615 CRONKRIGHT ST48640RB14-16-50-0500.17615 CRONKRIGHT ST	1008 STATE ST	48640	RA4	14-16-40-598	0.17
816 STATE ST 48640 RA4 14-16-40-604 0.16 810 STATE ST 48640 RA4 14-16-40-606 0.16 806 STATE ST 48640 RA4 14-16-40-608 0.16 802 STATE ST 48640 RA4 14-16-40-608 0.16 802 STATE ST 48640 RA4 14-16-40-610 0.25 712 TOWNSEND ST 48640 RB 14-16-50-008 0.83 401 E PINE ST 48640 RB 14-16-50-010 0.30 405 E PINE ST 48640 RB 14-16-50-014 0.15 415 E PINE ST 48640 RB 14-16-50-016 0.17 709 CRONKRIGHT ST 48640 RB 14-16-50-018 0.10 616 CRONKRIGHT ST 48640 RB 14-16-50-028 0.17 501 E GROVE ST 48640 RB 14-16-50-030 0.17 505 E GROVE ST 48640 RB 14-16-50-034 0.33 410 E PINE ST 48640 RB 14-16-50-038 0.17 505 E GROVE ST 48640 RB 14-16-50-040 0.07 </td <td>1004 STATE ST</td> <td>48640</td> <td>RA4</td> <td>14-16-40-600</td> <td>0.16</td>	1004 STATE ST	48640	RA4	14-16-40-600	0.16
810 STATE ST48640RA414-16-40-6060.16806 STATE ST48640RA414-16-40-6080.16802 STATE ST48640RA414-16-40-6100.25712 TOWNSEND ST48640RC14-16-50-0080.83401 E PINE ST48640RB14-16-50-0100.30405 E PINE ST48640RB14-16-50-0140.15415 E PINE ST48640RB14-16-50-0160.17709 CRONKRIGHT ST48640RB14-16-50-0180.10616 CRONKRIGHT ST48640RB14-16-50-0240.15612 CRONKRIGHT ST48640RB14-16-50-0280.17501 E GROVE ST48640RB14-16-50-0300.17505 E GROVE ST48640RB14-16-50-0340.33410 E PINE ST48640RB14-16-50-0440.12616 TOWNSEND ST48640RB14-16-50-0440.12604 TOWNSEND ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0480.21409 E GROVE ST48640RB14-16-50-0500.17413 E GROVE ST48640RB14-16-50-0520.17615 CRONKRIGHT ST48640RB14-16-50-0520.17615 CRONKRIGHT ST48640RB14-16-50-0540.17501 GEORGE ST48640RB14-16-50-0540.17501 GEORGE ST48640RB14-16-50-0580.11	820 STATE ST	48640	RA4	14-16-40-602	0.16
806 STATE ST48640RA414-16-40-6080.16802 STATE ST48640RA414-16-40-6100.25712 TOWNSEND ST48640RC14-16-50-0080.83401 E PINE ST48640RB14-16-50-0100.30405 E PINE ST48640RB14-16-50-0140.15415 E PINE ST48640RB14-16-50-0160.17709 CRONKRIGHT ST48640RC14-16-50-0180.10616 CRONKRIGHT ST48640RB14-16-50-0240.15612 CRONKRIGHT ST48640RB14-16-50-0260.15501 E GROVE ST48640RB14-16-50-0300.17505 E GROVE ST48640RB14-16-50-0340.33410 E PINE ST48640RB14-16-50-0340.33410 E PINE ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0440.12602 TOWNSEND ST48640RB14-16-50-0460.12602 TOWNSEND ST48640RB14-16-50-0480.21409 E GROVE ST48640RB14-16-50-0480.21409 E GROVE ST48640RB14-16-50-0520.17615 CRONKRIGHT ST48640RB14-16-50-0540.17501 GEORGE ST48640RB14-16-50-0540.17501 GEORGE ST48640RB14-16-50-0540.17	816 STATE ST	48640	RA4	14-16-40-604	0.16
802 STATE ST48640RA414-16-40-6100.25712 TOWNSEND ST48640RC14-16-50-0080.83401 E PINE ST48640RB14-16-50-0100.30405 E PINE ST48640RB14-16-50-0140.15415 E PINE ST48640RB14-16-50-0160.17709 CRONKRIGHT ST48640RB14-16-50-0180.10616 CRONKRIGHT ST48640RB14-16-50-0240.15612 CRONKRIGHT ST48640RB14-16-50-0260.15501 E GROVE ST48640RB14-16-50-0380.17505 E GROVE ST48640RB14-16-50-0340.33410 E PINE ST48640RB14-16-50-0340.33410 E PINE ST48640RB14-16-50-0400.07616 TOWNSEND ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0440.12602 TOWNSEND ST48640RB14-16-50-0460.12602 TOWNSEND ST48640RB14-16-50-0460.12602 TOWNSEND ST48640RB14-16-50-0460.17413 E GROVE ST48640RB14-16-50-0500.17615 CRONKRIGHT ST48640RB14-16-50-0540.17501 GEORGE ST48640RB14-16-50-0540.17501 GEORGE ST48640RB14-16-50-0540.17	810 STATE ST	48640	RA4	14-16-40-606	0.16
712 TOWNSEND ST48640RC14-16-50-0080.83401 E PINE ST48640RB14-16-50-0100.30405 E PINE ST48640RB14-16-50-0140.15415 E PINE ST48640RB14-16-50-0160.17709 CRONKRIGHT ST48640RC14-16-50-0180.10616 CRONKRIGHT ST48640RB14-16-50-0240.15612 CRONKRIGHT ST48640RB14-16-50-0260.15501 E GROVE ST48640RB14-16-50-0280.17505 E GROVE ST48640RB14-16-50-0300.17515 E GROVE ST48640RB14-16-50-0340.33410 E PINE ST48640RB14-16-50-0400.07616 TOWNSEND ST48640RB14-16-50-0400.07616 TOWNSEND ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0460.12602 TOWNSEND ST48640RB14-16-50-0480.21409 E GROVE ST48640RB14-16-50-0500.17413 E GROVE ST48640RB14-16-50-0520.17615 CRONKRIGHT ST48640RB14-16-50-0540.17501 GEORGE ST48640RB14-16-50-0540.17501 GEORGE ST48640RB14-16-50-0540.17	806 STATE ST	48640	RA4	14-16-40-608	0.16
401 E PINE ST48640RB14-16-50-0100.30405 E PINE ST48640RB14-16-50-0140.15415 E PINE ST48640RB14-16-50-0160.17709 CRONKRIGHT ST48640RC14-16-50-0180.10616 CRONKRIGHT ST48640RB14-16-50-0240.15612 CRONKRIGHT ST48640RB14-16-50-0260.15501 E GROVE ST48640RB14-16-50-0300.17505 E GROVE ST48640RB14-16-50-0340.33410 E PINE ST48640RB14-16-50-0340.33410 E PINE ST48640RB14-16-50-0400.07616 TOWNSEND ST48640RB14-16-50-0420.12604 TOWNSEND ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0460.12602 TOWNSEND ST48640RB14-16-50-0500.17413 E GROVE ST48640RB14-16-50-0520.17615 CRONKRIGHT ST48640RB14-16-50-0520.17501 GEORGE ST48640RB14-16-50-0540.17501 GEORGE ST48640RB14-16-50-0540.17	802 STATE ST	48640	RA4	14-16-40-610	0.25
405 E PINE ST48640RB14-16-50-0140.15415 E PINE ST48640RB14-16-50-0160.17709 CRONKRIGHT ST48640RC14-16-50-0180.10616 CRONKRIGHT ST48640RB14-16-50-0240.15612 CRONKRIGHT ST48640RB14-16-50-0260.15501 E GROVE ST48640RB14-16-50-0280.17505 E GROVE ST48640RB14-16-50-0300.17515 E GROVE ST48640RB14-16-50-0340.33410 E PINE ST48640RB14-16-50-0380.17406 E PINE ST48640RB14-16-50-0400.07616 TOWNSEND ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0460.12602 TOWNSEND ST48640RB14-16-50-0540.17413 E GROVE ST48640RB14-16-50-0520.17615 CRONKRIGHT ST48640RB14-16-50-0540.17501 GEORGE ST48640RB14-16-50-0540.17	712 TOWNSEND ST	48640	RC	14-16-50-008	0.83
415 E PINE ST48640RB14-16-50-0160.17709 CRONKRIGHT ST48640RC14-16-50-0180.10616 CRONKRIGHT ST48640RB14-16-50-0240.15612 CRONKRIGHT ST48640RB14-16-50-0260.15501 E GROVE ST48640RB14-16-50-0280.17505 E GROVE ST48640RB14-16-50-0300.17515 E GROVE ST48640RB14-16-50-0340.33410 E PINE ST48640RB14-16-50-0400.07616 TOWNSEND ST48640RB14-16-50-0420.12614 TOWNSEND ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0480.21409 E GROVE ST48640RB14-16-50-0500.17413 E GROVE ST48640RB14-16-50-0520.17615 CRONKRIGHT ST48640RB14-16-50-0540.17501 GEORGE ST48640RB14-16-50-0540.17	401 E PINE ST	48640	RB	14-16-50-010	0.30
709 CRONKRIGHT ST48640RC14-16-50-0180.10616 CRONKRIGHT ST48640RB14-16-50-0240.15612 CRONKRIGHT ST48640RB14-16-50-0260.15501 E GROVE ST48640RB14-16-50-0280.17505 E GROVE ST48640RB14-16-50-0300.17515 E GROVE ST48640RB14-16-50-0340.33410 E PINE ST48640RB14-16-50-0380.17406 E PINE ST48640RB14-16-50-0400.07616 TOWNSEND ST48640RB14-16-50-0420.12614 TOWNSEND ST48640RB14-16-50-0460.12602 TOWNSEND ST48640RB14-16-50-0480.21409 E GROVE ST48640RB14-16-50-0500.17413 E GROVE ST48640RB14-16-50-0540.17501 GEORGE ST48640RB14-16-50-0540.17	405 E PINE ST	48640	RB	14-16-50-014	0.15
616 CRONKRIGHT ST48640RB14-16-50-0240.15612 CRONKRIGHT ST48640RB14-16-50-0260.15501 E GROVE ST48640RB14-16-50-0280.17505 E GROVE ST48640RB14-16-50-0300.17515 E GROVE ST48640RB14-16-50-0340.33410 E PINE ST48640RB14-16-50-0380.17406 E PINE ST48640RB14-16-50-0400.07616 TOWNSEND ST48640RB14-16-50-0420.12614 TOWNSEND ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0460.12602 TOWNSEND ST48640RB14-16-50-0480.21409 E GROVE ST48640RB14-16-50-0500.17413 E GROVE ST48640RB14-16-50-0520.17501 GEORGE ST48640RB14-16-50-0540.17	415 E PINE ST	48640	RB	14-16-50-016	0.17
612 CRONKRIGHT ST48640RB14-16-50-0260.15501 E GROVE ST48640RB14-16-50-0280.17505 E GROVE ST48640RB14-16-50-0300.17515 E GROVE ST48640RB14-16-50-0340.33410 E PINE ST48640RB14-16-50-0380.17406 E PINE ST48640RB14-16-50-0400.07616 TOWNSEND ST48640RB14-16-50-0420.12614 TOWNSEND ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0480.21409 E GROVE ST48640RB14-16-50-0500.17413 E GROVE ST48640RB14-16-50-0520.17501 GEORGE ST48640RB14-16-50-0540.17	709 CRONKRIGHT ST	48640	RC	14-16-50-018	0.10
501 E GROVE ST48640RB14-16-50-0280.17505 E GROVE ST48640RB14-16-50-0300.17515 E GROVE ST48640RB14-16-50-0340.33410 E PINE ST48640RB14-16-50-0380.17406 E PINE ST48640RB14-16-50-0400.07616 TOWNSEND ST48640RB14-16-50-0420.12614 TOWNSEND ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0460.12602 TOWNSEND ST48640RB14-16-50-0480.21409 E GROVE ST48640RB14-16-50-0500.17413 E GROVE ST48640RB14-16-50-0540.17501 GEORGE ST48640OS14-16-50-0680.11	616 CRONKRIGHT ST	48640	RB	14-16-50-024	0.15
505 E GROVE ST48640RB14-16-50-0300.17515 E GROVE ST48640RB14-16-50-0340.33410 E PINE ST48640RB14-16-50-0380.17406 E PINE ST48640RB14-16-50-0400.07616 TOWNSEND ST48640RB14-16-50-0420.12614 TOWNSEND ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0460.12602 TOWNSEND ST48640RB14-16-50-0480.21409 E GROVE ST48640RB14-16-50-0500.17413 E GROVE ST48640RB14-16-50-0540.17501 GEORGE ST48640OS14-16-50-0680.11	612 CRONKRIGHT ST	48640	RB	14-16-50-026	0.15
515 E GROVE ST48640RB14-16-50-0340.33410 E PINE ST48640RB14-16-50-0380.17406 E PINE ST48640RB14-16-50-0400.07616 TOWNSEND ST48640RB14-16-50-0420.12614 TOWNSEND ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0460.12602 TOWNSEND ST48640RB14-16-50-0480.21409 E GROVE ST48640RB14-16-50-0500.17413 E GROVE ST48640RB14-16-50-0520.17615 CRONKRIGHT ST48640RB14-16-50-0540.17501 GEORGE ST48640OS14-16-50-0680.11	501 E GROVE ST	48640	RB	14-16-50-028	0.17
410 E PINE ST48640RB14-16-50-0380.17406 E PINE ST48640RB14-16-50-0400.07616 TOWNSEND ST48640RB14-16-50-0420.12614 TOWNSEND ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0460.12602 TOWNSEND ST48640RB14-16-50-0480.21409 E GROVE ST48640RB14-16-50-0500.17413 E GROVE ST48640RB14-16-50-0520.17615 CRONKRIGHT ST48640RB14-16-50-0540.17501 GEORGE ST48640OS14-16-50-0680.11	505 E GROVE ST	48640	RB	14-16-50-030	0.17
410 E PINE ST48640RB14-16-50-0380.17406 E PINE ST48640RB14-16-50-0400.07616 TOWNSEND ST48640RB14-16-50-0420.12614 TOWNSEND ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0460.12602 TOWNSEND ST48640RB14-16-50-0480.21409 E GROVE ST48640RB14-16-50-0500.17413 E GROVE ST48640RB14-16-50-0520.17615 CRONKRIGHT ST48640RB14-16-50-0540.17501 GEORGE ST48640OS14-16-50-0680.11	515 E GROVE ST	48640	RB	14-16-50-034	0.33
616 TOWNSEND ST48640RB14-16-50-0420.12614 TOWNSEND ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0460.12602 TOWNSEND ST48640RB14-16-50-0480.21409 E GROVE ST48640RB14-16-50-0500.17413 E GROVE ST48640RB14-16-50-0520.17615 CRONKRIGHT ST48640RB14-16-50-0540.17501 GEORGE ST48640OS14-16-50-0680.11	410 E PINE ST	48640	RB	14-16-50-038	
614 TOWNSEND ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0460.12602 TOWNSEND ST48640RB14-16-50-0480.21409 E GROVE ST48640RB14-16-50-0500.17413 E GROVE ST48640RB14-16-50-0520.17615 CRONKRIGHT ST48640RB14-16-50-0540.17501 GEORGE ST48640OS14-16-50-0680.11	406 E PINE ST	48640	RB	14-16-50-040	0.07
614 TOWNSEND ST48640RB14-16-50-0440.14604 TOWNSEND ST48640RB14-16-50-0460.12602 TOWNSEND ST48640RB14-16-50-0480.21409 E GROVE ST48640RB14-16-50-0500.17413 E GROVE ST48640RB14-16-50-0520.17615 CRONKRIGHT ST48640RB14-16-50-0540.17501 GEORGE ST48640OS14-16-50-0680.11	616 TOWNSEND ST	48640	RB	14-16-50-042	0.12
604 TOWNSEND ST48640RB14-16-50-0460.12602 TOWNSEND ST48640RB14-16-50-0480.21409 E GROVE ST48640RB14-16-50-0500.17413 E GROVE ST48640RB14-16-50-0520.17615 CRONKRIGHT ST48640RB14-16-50-0540.17501 GEORGE ST48640OS14-16-50-0680.11	614 TOWNSEND ST	48640	RB	14-16-50-044	0.14
602 TOWNSEND ST48640RB14-16-50-0480.21409 E GROVE ST48640RB14-16-50-0500.17413 E GROVE ST48640RB14-16-50-0520.17615 CRONKRIGHT ST48640RB14-16-50-0540.17501 GEORGE ST48640OS14-16-50-0680.11		48640	RB		
413 E GROVE ST 48640 RB 14-16-50-052 0.17 615 CRONKRIGHT ST 48640 RB 14-16-50-054 0.17 501 GEORGE ST 48640 OS 14-16-50-068 0.11	602 TOWNSEND ST				0.21
413 E GROVE ST 48640 RB 14-16-50-052 0.17 615 CRONKRIGHT ST 48640 RB 14-16-50-054 0.17 501 GEORGE ST 48640 OS 14-16-50-068 0.11		48640	RB		
615 CRONKRIGHT ST 48640 RB 14-16-50-054 0.17 501 GEORGE ST 48640 OS 14-16-50-068 0.11	413 E GROVE ST	48640	RB	14-16-50-052	0.17
501 GEORGE ST 48640 OS 14-16-50-068 0.11			RB		0.17
	505 GEORGE ST	48640	OS	14-16-50-070	0.11

	Property		Property ID	Property
Property Address ¹	Zip	Zoning	Number	Acreage
507 GEORGE ST	48640	RB	14-16-50-072	0.11
509 GEORGE ST	48640	RB	14-16-50-074	0.13
515 GEORGE ST	48640	RB	14-16-50-076	0.12
508 E GROVE ST	48640	RB	14-16-50-080	0.25
502 E GROVE ST	48640	RB	14-16-50-082	0.17
506 CRONKRIGHT ST	48640	OS	14-16-50-084	0.17
502 CRONKRIGHT ST	48640	OS	14-16-50-086	0.17
411 CRONKRIGHT ST	48640	OS	14-16-50-100	0.17
415 CRONKRIGHT ST	48640	OS	14-16-50-102	0.17
415 E INDIAN ST	48640	OS	14-16-50-106	0.34
416 E GROVE ST	48640	RB	14-16-50-114	0.17
414 E GROVE ST	48640	RB	14-16-50-116	0.17
406 E GROVE ST	48640	RB	14-16-50-118	0.07
512 TOWNSEND ST	48640	RB	14-16-50-120	0.26
502 TOWNSEND ST	48640	OS	14-16-50-122	0.34
414 TOWNSEND ST	48640	D	14-16-50-124	0.33
409 E BUTTLES ST	48640	D	14-16-50-130	0.17
415 E BUTTLES ST	48640	OS	14-16-50-132	0.17
403 TOWNSEND ST	48640	OS	14-16-50-156	0.08
407 TOWNSEND ST	48640	OS	14-16-50-158	0.07
409 TOWNSEND ST	48640	OS	14-16-50-160	0.16
415 TOWNSEND ST	48640	OS	14-16-50-162	0.15
309 E INDIAN ST	48640	OS	14-16-50-164	0.33
507 TOWNSEND ST	48640	OS	14-16-50-166	0.17
511 TOWNSEND ST	48640	RB	14-16-50-168	0.17
515 TOWNSEND ST	48640	RB	14-16-50-170	0.17
607 TOWNSEND ST	48640	RB	14-16-50-172	0.23
615 TOWNSEND ST	48640	CC	14-16-50-176	0.10
310 E PINE ST	48640	CC	14-16-50-178	0.12
309 E PINE ST	48640	RB	14-16-50-182	0.17
701 TOWNSEND ST	48640	RB	14-16-50-184	0.17
709 TOWNSEND ST	48640	RC	14-16-50-186	0.16
715 TOWNSEND ST	48640	RC	14-16-50-188	0.50
311 E BUTTLES ST	48640	OS	14-16-50-228	0.16
402 RODD ST	48640	OS	14-16-50-230	0.30
408 RODD ST	48640	OS	14-16-50-232	0.23
302 E INDIAN ST	48640	OS	14-16-50-234	0.17
508 RODD ST	48640	OS	14-16-50-238	0.17
510 RODD ST	48640	OS	14-16-50-240	0.17
516 RODD ST	48640	OS	14-16-50-242	0.17
309 E GROVE ST	48640	RB	14-16-50-246	0.10
315 E GROVE ST	48640	RB	14-16-50-248	0.12
602 RODD ST	48640	RB	14-16-50-250	0.17
606 RODD ST	48640	RB	14-16-50-252	0.17
610 RODD ST	48640	RB	14-16-50-254	0.17
616 RODD ST	48640	RB	14-16-50-256	0.17
702 RODD ST	48640	RB	14-16-50-258	0.17
708 RODD ST	48640	RB	14-16-50-260	0.17
	10040		17 10 30 200	5.17

	Property		Property ID	Property
Property Address ¹	Zip	Zoning		Acreage
712 RODD ST	48640	RC	14-16-50-262	0.17
711 TOWNSEND ST	48640	RC	14-16-50-264	0.00
1203 E CARPENTER ST	48640	RA4	14-21-10-096	0.08
601 MILL ST	48640	RB	14-21-10-608	0.29
609 MILL ST	48640	RB	14-21-10-612	0.17
615 MILL ST	48640	RB	14-21-10-614	0.17
602 STATE ST	48640	RB	14-21-10-616	0.21
807 E GROVE ST	48640	RB	14-21-10-618	0.17
2505 BAY CITY RD	48642	RB	14-23-20-004	1.15
307 SAM ST	48642	RB	14-23-60-004	0.61
309 SAM ST	48640	RB	14-23-60-006	0.39
311 SAM ST	48642	RB	14-23-60-008	0.69
315 SAM ST	48642	RB	14-23-60-010	0.17
321 SAM ST	48642	RB	14-23-60-012	1.01
327 SAM ST	48642	RB	14-23-60-016	1.01
401 SAM ST	48642	RB	14-23-60-020	1.01
407 SAM ST	48642	RB	14-23-60-024	0.51
411 SAM ST	48642	RB	14-23-60-028	0.51
413 SAM ST	48642	RB	14-23-60-032	0.44
2420 BAY CITY RD	48642	RB	14-23-60-036	0.46
2412 BAY CITY RD	48642	RB	14-23-60-040	0.90
2404 BAY CITY RD	48642	RB	14-23-60-044	0.90
2316 BAY CITY RD	48642	RB	14-23-60-048	0.90
2304 BAY CITY RD	48642	RB	14-23-60-052	0.90
426 WALTER CT	48642	RB	14-23-60-056	0.20
414 WALTER CT	48642	RB	14-23-60-060	0.25
404 SAUVE ST	48642	IA	14-23-60-288	0.70
2021 BAY CITY RD	48642	IA	14-23-70-050	0.21
2409 BAY CITY RD	48642	RB	14-23-70-404	0.28
2417 BAY CITY RD	48642	RB	14-23-70-408	0.33
2425 BAY CITY RD	48642	RB	14-23-70-412	0.31
Phase II 2013	-			
1419 IOWA ST	48642	RA3	14-15-40-130	3.77
1303 COLORADO CT	48642	RB	14-15-40-274	1.17
1405 COLORADO ST	48640	RB	14-15-40-284	0.18
1407 COLORADO ST	48642	RB	14-15-40-289	0.06
1411 COLORADO ST	48642	RB	14-15-40-290	0.17
1415 COLORADO ST	48642	RB	14-15-40-292	0.17
1419 COLORADO ST	48642	RA4	14-15-40-294	0.17
1501 COLORADO ST	48642	RB	14-15-40-296	0.18
1505 COLORADO ST	48642	RB	14-15-40-298	0.18
1509 COLORADO ST	48642	RB	14-15-40-300	0.18
1513 COLORADO ST	48642	RB	14-15-40-302	0.20
1501 E PATRICK RD	48642	NC	14-15-40-320	0.30
1503 E PATRICK RD	48642	NC	14-15-40-324	0.21
1507 E PATRICK RD	48642	NC	14-15-40-326	0.21
1511 E PATRICK RD	48642	NC	14-15-40-328	0.21
1515 E PATRICK RD	48642	NC	14-15-40-328	0.20
	40042		14-10-990	0.10

	Property		Property ID	Property
Property Address ¹	Zip	Zoning	Number	Acreage
1517 E PATRICK RD	48642	NC	14-15-40-332	0.18
1607 E PATRICK RD	48642	NC	14-15-40-334	0.55
1613 E PATRICK RD	48642	NC	14-15-40-340	0.34
1514 COLORADO ST	48642	RB	14-15-40-356	0.18
1510 COLORADO ST	48642	RB	14-15-40-358	0.18
1506 COLORADO ST	48642	RB	14-15-40-360	0.18
1504 COLORADO ST	48642	RB	14-15-40-362	0.18
1420 COLORADO ST	48642	RB	14-15-40-364	0.18
1306 WALSH ST	48642	RB	14-15-40-366	0.28
418 E HALEY ST	48640	RB	14-15-50-370	0.13
414 E HALEY ST	48640	RB	14-15-50-372	0.14
410 E HALEY ST	48640	RB	14-15-50-374	0.17
406 E HALEY ST	48640	RB	14-15-50-376	0.37
402 E HALEY ST	48640	RB	14-15-50-380	0.16
322 E HALEY ST	48640	RB	14-15-50-382	0.18
320 E HALEY ST	48640	RB	14-15-50-388	0.15
316 E HALEY ST	48640	RB	14-15-50-390	0.16
312 E HALEY ST	48640	RB	14-15-50-392	0.16
308 E HALEY ST	48640	RB	14-15-50-394	0.18
304 E HALEY ST	48640	RB	14-15-50-396	0.18
220 E HALEY ST	48640	RB	14-15-50-398	0.18
214 E HALEY ST	48640	RB	14-15-50-399	0.18
210 E HALEY ST	48640	RB	14-15-50-400	0.16
206 E HALEY ST	48640	RB	14-15-50-402	0.16
120 E HALEY ST	48640	RB	14-15-50-404	0.18
118 E HALEY ST	48640	RB	14-15-50-406	0.17
116 E HALEY ST	48640	RB	14-15-50-408	0.15
110 E HALEY ST	48640	RB	14-15-50-410	0.15
108 E HALEY ST	48640	RB	14-15-50-412	0.15
1618 JEFFERSON AVE	48640	NC	14-15-50-414	0.24
1610 JEFFERSON AVE	48640	RB	14-15-50-418	0.12
1606 JEFFERSON AVE	48640	RB	14-15-50-420	0.12
1604 JEFFERSON AVE	48640	RB	14-15-50-422	0.12
111 BRADLEY CT	48640	RB	14-15-50-424	0.31
113 BRADLEY CT	48640	RB	14-15-50-428	0.15
121 BRADLEY CT	48640	RB	14-15-50-430	0.17
		RB	14-15-50-432	
	48640	RB	14-15-50-450	
		RB		
		RB	14-15-50-453	
217 BRADLEY CT	48640	RB	14-15-50-454	
303 BRADLEY CT	48640	RB	14-15-50-456	0.18
307 BRADLEY CT	48640	RB	14-15-50-458	0.17
	48640	RB	14-15-50-460	
313 BRADLEY CT	48640	RB	14-15-50-461	0.61
312 BRADLEY CT	48640	RB	14-15-50-462	0.19
	48640	RB	14-15-50-464	0.28
304 BRADLEY CT	48640	RB	14-15-50-466	0.20
1618 JEFFERSON AVE 1610 JEFFERSON AVE 1606 JEFFERSON AVE 1604 JEFFERSON AVE 111 BRADLEY CT 113 BRADLEY CT 121 BRADLEY CT 201 BRADLEY CT 205 BRADLEY CT 209 BRADLEY CT 213 BRADLEY CT 303 BRADLEY CT 307 BRADLEY CT 311 BRADLEY CT 312 BRADLEY CT 308 BRADLEY CT 308 BRADLEY CT	48640 48640 48640 48640 48640 48640 48640 48640 48640 48640 48640 48640 48640 48640 48640 48640 48640	NC RB RB RB RB RB RB RB RB RB RB	14-15-50-414 14-15-50-420 14-15-50-422 14-15-50-424 14-15-50-428 14-15-50-428 14-15-50-428 14-15-50-430 14-15-50-432 14-15-50-453 14-15-50-453 14-15-50-453 14-15-50-454 14-15-50-455 14-15-50-456 14-15-50-458 14-15-50-461 14-15-50-461 14-15-50-462 14-15-50-464	0.24 0.12 0.12 0.12 0.15 0.15 0.17 0.18 0.20 0.20 0.19 0.19 0.19 0.17 0.17 0.17 0.61 0.19 0.28

1	Property		Property ID	Property
Property Address ¹	Zip	Zoning		Acreage
300 BRADLEY CT	48640	RB	14-15-50-468	0.18
218 BRADLEY CT	48640	RB	14-15-50-470	0.18
214 BRADLEY CT	48640	RB	14-15-50-472	0.18
210 BRADLEY CT	48640	RB	14-15-50-474	0.18
206 BRADLEY CT	48640	RB	14-15-50-488	0.18
202 BRADLEY CT	48640	RB	14-15-50-490	0.18
124 BRADLEY CT	48640	RB	14-15-50-492	0.17
120 BRADLEY CT	48640	RB	14-15-50-494	0.15
114 BRADLEY CT	48640	RB	14-15-50-496	0.15
110 BRADLEY CT	48640	RB	14-15-50-498	0.15
104 BRADLEY CT	48640	RB	14-15-50-500	0.12
1514 JEFFERSON AVE	48640	RB	14-15-50-502	0.12
1510 JEFFERSON AVE	48640	RB	14-15-50-504	0.12
1506 JEFFERSON AVE	48640	RB	14-15-50-506	0.12
1502 JEFFERSON AVE	48640	RB	14-15-50-508	0.12
109 ARBURY PL	48640	RB	14-15-50-510	0.15
113 ARBURY PL	48640	RB	14-15-50-512	0.15
119 ARBURY PL	48640	RB	14-15-50-514	0.15
121 ARBURY PL	48640	RB	14-15-50-516	0.18
201 ARBURY PL	48640	RB	14-15-50-518	0.18
207 ARBURY PL	48640	RB	14-15-50-520	0.18
209 ARBURY PL	48640	RB	14-15-50-522	0.16
213 ARBURY PL	48640	RB	14-15-50-524	0.19
215 ARBURY PL	48640	RB	14-15-50-526	0.19
217 ARBURY PL	48640	RB	14-15-50-528	0.18
301 ARBURY PL	48640	RB	14-15-50-530	0.18
305 ARBURY PL	48640	RB	14-15-50-532	0.19
309 ARBURY PL	48640	RB	14-15-50-534	0.19
313 ARBURY PL	48640	RB	14-15-50-536	0.19
317 ARBURY PL	48640	RB	14-15-50-538	0.19
401 ARBURY PL	48640	RB	14-15-50-540	0.16
405 ARBURY PL	48640	RB	14-15-50-542	0.17
1517 BAYLISS ST	48640	RB	14-15-50-550	2.69
1605 BAYLISS ST	48640	RB	14-15-50-560	0.17
1609 BAYLISS ST	48640	RB	14-15-50-562	0.17
2009 JEFFERSON AVE	48640	СОМ	14-16-30-404	2.62
1606 MILL ST	48640	RA4	14-16-30-436	0.14
1417 MILL ST	48640	RA4	14-16-30-438	0.15
1605 MILL ST	48640	RA4	14-16-30-440	0.15
1607 MILL ST	48640	RA4	14-16-30-442	0.15
1614 STATE ST	48640	RA4	14-16-30-460	0.22
1610 STATE ST	48640	RA4	14-16-30-462	0.18
1606 STATE ST	48640	RA4	14-16-30-464	0.19
1602 STATE ST	48640	RA4	14-16-30-466	0.20
1514 STATE ST	48640	RA4	14-16-30-468	0.20
1510 STATE ST	48640	RA4	14-16-30-470	0.18
1506 STATE ST	48640	RA4	14-16-30-472	0.17
1502 STATE ST	48640	RA4	14-16-30-474	0.18

1414 STATE ST 48640 RA4 14-16-30-476 0.17 1412 STATE ST 48640 RA4 14-16-30-478 0.16 1409 STATE ST 48640 RA4 14-16-30-480 0.21 1501 STATE ST 48640 RA4 14-16-30-482 0.21 1505 STATE ST 48640 RA4 14-16-30-484 0.20 1605 STATE ST 48640 RA4 14-16-30-480 0.20 1605 STATE ST 48640 RA4 14-16-30-490 0.23 1310 GEORGE ST 48640 RA4 14-16-30-500 0.23 1310 GEORGE ST 48640 RA4 14-16-30-500 0.23 1300 GEORGE ST 48640 RA4 14-16-30-500 0.23 1300 GEORGE ST 48640 RA4 14-16-30-500 0.23 1300 GEORGE ST 48640 RA4 14-16-30-510 0.19		Property		Property ID	Property
1412 STATE ST 48640 RA4 14-16-30-478 0.16 1409 STATE ST 48640 RA4 14-16-30-480 0.21 1413 STATE ST 48640 RA4 14-16-30-482 0.21 1501 STATE ST 48640 RA4 14-16-30-484 0.21 1505 STATE ST 48640 RA4 14-16-30-486 0.21 1605 STATE ST 48640 RA4 14-16-30-486 0.20 1605 STATE ST 48640 RA4 14-16-30-490 0.20 1605 STATE ST 48640 RA4 14-16-30-490 0.27 1310 GEORGE ST 48640 RA4 14-16-30-496 0.23 1316 GEORGE ST 48640 RA4 14-16-30-500 0.23 1310 GEORGE ST 48640 RA4 14-16-30-504 0.23 1310 GEORGE ST 48640 RA4 14-16-30-504 0.23 1310 GEORGE ST 48640 RA4 14-16-30-504 0.23 1310 GEORGE ST 48640 RA4 14-16-30-508 0.19 709 NORTH ST 48640 RA4 14-16-30-514 0.28	Property Address ¹	Zip	Zoning	Number	Acreage
1409 STATE ST 48640 RA4 14-16-30-480 0.21 1413 STATE ST 48640 RA4 14-16-30-484 0.21 1501 STATE ST 48640 RA4 14-16-30-484 0.21 1505 STATE ST 48640 RA4 14-16-30-486 0.20 1605 STATE ST 48640 RA4 14-16-30-490 0.20 1605 STATE ST 48640 RA4 14-16-30-492 0.19 1615 STATE ST 48640 RA4 14-16-30-494 0.27 1320 GEORGE ST 48640 RA4 14-16-30-498 0.23 1310 GEORGE ST 48640 RA4 14-16-30-500 0.23 1300 GEORGE ST 48640 RA4 14-16-30-504 0.23 1300 GEORGE ST 48640 RA4 14-16-30-504 0.20 707 NORTH ST 48640 RA4 14-16-30-510 0.19 715 NORTH ST 48640 RA4 14-16-30-514 0.28 709 NORTH ST 48640 RA4 14-16-30-514 0.28 705 NORTH ST 48640 RA4 14-16-30-600 10.39	1414 STATE ST	48640	RA4	14-16-30-476	0.17
1413 STATE ST 48640 RA4 14-16-30-482 0.21 1501 STATE ST 48640 RA4 14-16-30-484 0.21 1505 STATE ST 48640 RA4 14-16-30-486 0.20 1601 STATE ST 48640 RA4 14-16-30-480 0.20 1605 STATE ST 48640 RA4 14-16-30-492 0.19 1615 STATE ST 48640 RA4 14-16-30-492 0.19 1316 GEORGE ST 48640 RA4 14-16-30-494 0.27 1320 GEORGE ST 48640 RA4 14-16-30-496 0.19 1316 GEORGE ST 48640 RA4 14-16-30-500 0.23 1310 GEORGE ST 48640 RA4 14-16-30-500 0.23 1300 GEORGE ST 48640 RA4 14-16-30-504 0.23 1300 GEORGE ST 48640 RA4 14-16-30-508 0.19 705 NORTH ST 48640 RA4 14-16-30-510 0.19 715 NORTH ST 48640 RA4 14-16-30-514 0.28 704 NORTH ST 48640 RA4 14-16-30-514 0.28	1412 STATE ST	48640	RA4	14-16-30-478	0.16
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1505 STATE ST 48640 RA4 14-16-30-486 0.21 1601 STATE ST 48640 RA4 14-16-30-488 0.20 1605 STATE ST 48640 RA4 14-16-30-490 0.20 1605 STATE ST 48640 RA4 14-16-30-494 0.27 1320 GEORGE ST 48640 RA4 14-16-30-496 0.19 1316 GEORGE ST 48640 RA4 14-16-30-502 0.23 1310 GEORGE ST 48640 RA4 14-16-30-502 0.23 1300 GEORGE ST 48640 RA4 14-16-30-502 0.23 1300 GEORGE ST 48640 RA4 14-16-30-502 0.23 1300 GEORGE ST 48640 RA4 14-16-30-504 0.23 1300 GEORGE ST 48640 RA4 14-16-30-508 0.19 705 NORTH ST 48640 RA4 14-16-30-510 0.19 715 NORTH ST 48640 RA4 14-16-30-510 0.22 708 NORTH ST 48640 RA4 14-16-30-510 0.23 2205 JEFFERSON AVE 48640 RA4 14-16-30-518 0.23<	1413 STATE ST	48640	RA4	14-16-30-482	0.21
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1615 STATE ST 48640 RA4 14-16-30-494 0.27 1320 GEORGE ST 48640 RA4 14-16-30-496 0.19 1316 GEORGE ST 48640 RA4 14-16-30-498 0.23 1314 GEORGE ST 48640 RA4 14-16-30-502 0.23 1304 GEORGE ST 48640 RA4 14-16-30-504 0.23 1300 GEORGE ST 48640 RA4 14-16-30-506 0.20 707 NORTH ST 48640 RA4 14-16-30-508 0.19 709 NORTH ST 48640 RA4 14-16-30-512 0.22 708 NORTH ST 48640 RA4 14-16-30-512 0.22 708 NORTH ST 48640 RA4 14-16-30-518 0.23 704 NORTH ST 48640 RA4 14-16-30-512 0.22 708 NORTH ST 48640 RA4 14-16-30-518 0.23 704 NORTH ST 48640 RA4 14-16-30-600 10.39 500 E NELSON ST 48640 RA4 14-16-40-002 0.18 1614 HALEY ST 48640 RA4 14-16-40-002 0.17	1605 STATE ST	48640	RA4	14-16-30-490	0.20
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1310 GEORGE ST 48640 RA4 14-16-30-502 0.23 1300 GEORGE ST 48640 RA4 14-16-30-504 0.23 1300 GEORGE ST 48640 RA4 14-16-30-506 0.20 707 NORTH ST 48640 RA4 14-16-30-508 0.19 709 NORTH ST 48640 RA4 14-16-30-512 0.22 708 NORTH ST 48640 RA4 14-16-30-512 0.22 708 NORTH ST 48640 RA4 14-16-30-514 0.28 704 NORTH ST 48640 RA4 14-16-30-518 0.23 2205 JEFFERSON AVE 48640 COM 14-16-30-600 10.39 500 E NELSON ST 48640 RA4 14-16-40-002 0.18 1614 HALEY ST 48640 RA4 14-16-40-004 0.21 1610 HALEY ST 48640 RA4 14-16-40-010 0.17 1602 HALEY ST 48640 RA4 14-16-40-010 0.17 1416 HALEY ST 48640 RA4 14-16-40-010 0.17 1416 HALEY ST 48640 RA4 14-16-40-010 0.17 <td>1316 GEORGE ST</td> <td>48640</td> <td>RA4</td> <td>14-16-30-498</td> <td>0.23</td>	1316 GEORGE ST	48640	RA4	14-16-30-498	0.23
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1300 GEORGE ST 48640 RA4 14-16-30-506 0.20 707 NORTH ST 48640 RA4 14-16-30-508 0.19 709 NORTH ST 48640 RA4 14-16-30-510 0.19 715 NORTH ST 48640 RA4 14-16-30-512 0.22 708 NORTH ST 48640 RA4 14-16-30-514 0.28 704 NORTH ST 48640 RA4 14-16-30-514 0.28 704 NORTH ST 48640 RA4 14-16-30-610 10.39 500 E NELSON ST 48640 RA4 14-16-40-002 0.18 1614 HALEY ST 48640 RA4 14-16-40-004 0.21 1610 HALEY ST 48640 RA4 14-16-40-008 0.17 1606 HALEY ST 48640 RA4 14-16-40-010 0.17 1602 HALEY ST 48640 RA4 14-16-40-010 0.17 1416 HALEY ST 48640 RA4 14-16-40-014 0.17 1416 HALEY ST 48640 RA4 14-16-40-014 0.17 1416 HALEY ST 48640 RA4 14-16-40-020 0.17 </td <td>1310 GEORGE ST</td> <td>48640</td> <td>RA4</td> <td>14-16-30-502</td> <td>0.23</td>	1310 GEORGE ST	48640	RA4	14-16-30-502	0.23
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709 NORTH ST 48640 RA4 14-16-30-510 0.19 715 NORTH ST 48640 RA4 14-16-30-512 0.22 708 NORTH ST 48640 RA4 14-16-30-514 0.28 704 NORTH ST 48640 RA4 14-16-30-514 0.23 2205 JEFFERSON AVE 48640 COM 14-16-30-600 10.39 500 E NELSON ST 48640 RA4 14-16-40-002 0.18 1614 HALEY ST 48640 RA4 14-16-40-004 0.21 1610 HALEY ST 48640 RA4 14-16-40-004 0.21 1606 HALEY ST 48640 RA4 14-16-40-008 0.17 1602 HALEY ST 48640 RA4 14-16-40-010 0.17 1418 HALEY ST 48640 RA4 14-16-40-012 0.17 1418 HALEY ST 48640 RA4 14-16-40-014 0.17 1416 HALEY ST 48640 RA4 14-16-40-018 0.17 1001 NORTH ST 48640 RA4 14-16-40-020 0.17 </td <td>1300 GEORGE ST</td> <td>48640</td> <td>RA4</td> <td>14-16-30-506</td> <td>0.20</td>	1300 GEORGE ST	48640	RA4	14-16-30-506	0.20
715 NORTH ST48640RA414-16-30-5120.22708 NORTH ST48640RA414-16-30-5140.28704 NORTH ST48640RA414-16-30-5180.232205 JEFFERSON AVE48640COM14-16-30-60010.39500 E NELSON ST48640RA414-16-40-0020.181618 HALEY ST48640RA414-16-40-0040.211610 HALEY ST48640RA414-16-40-0060.171606 HALEY ST48640RA414-16-40-0080.171606 HALEY ST48640RA414-16-40-0100.171418 HALEY ST48640RA414-16-40-0140.171416 HALEY ST48640RA414-16-40-0140.171416 HALEY ST48640RA414-16-40-0180.171410 HALEY ST48640RA414-16-40-0180.171001 NORTH ST48640RA414-16-40-0200.171007 NORTH ST48640RA414-16-40-0200.171411 FOURNIE ST48640RA414-16-40-0240.171411 FOURNIE ST48640RA414-16-40-0260.171423 FOURNIE ST48640RA414-16-40-0280.161419 FOURNIE ST48640RA414-16-40-0200.171411 FOURNIE ST48640RA414-16-40-0200.161419 FOURNIE ST48640RA414-16-40-0240.171411 FOURNIE ST48640RA414-16-40-0260.161419 FOUR	707 NORTH ST	48640	RA4	14-16-30-508	0.19
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2205 JEFFERSON AVE48640COM14-16-30-60010.39500 E NELSON ST48640COM14-16-30-6400.661618 HALEY ST48640RA414-16-40-0020.181614 HALEY ST48640RA414-16-40-0040.211610 HALEY ST48640RA414-16-40-0060.171606 HALEY ST48640RA414-16-40-0080.171607 HALEY ST48640RA414-16-40-0100.171418 HALEY ST48640RA414-16-40-0120.171416 HALEY ST48640RA414-16-40-0140.171416 HALEY ST48640RA414-16-40-0160.171410 HALEY ST48640RA414-16-40-0160.171001 NORTH ST48640RA414-16-40-0200.171007 NORTH ST48640RA414-16-40-0200.171411 FOURNIE ST48640RA414-16-40-0240.171415 FOURNIE ST48640RA414-16-40-0260.171415 FOURNIE ST48640RA414-16-40-0280.161423 FOURNIE ST48640RA414-16-40-0300.161423 FOURNIE ST48640RA414-16-40-0320.161411 HALEY ST48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-0200.161419 HALEY ST48640RA414-16-40-0200.161419 HALEY ST48640RA414-16-40-0200.161419 HALEY	708 NORTH ST	48640	RA4	14-16-30-514	0.28
500 E NELSON ST48640COM14-16-30-6400.661618 HALEY ST48640RA414-16-40-0020.181614 HALEY ST48640RA414-16-40-0040.211610 HALEY ST48640RA414-16-40-0060.171606 HALEY ST48640RA414-16-40-0100.171602 HALEY ST48640RA414-16-40-0120.171418 HALEY ST48640RA414-16-40-0120.171416 HALEY ST48640RA414-16-40-0160.171410 HALEY ST48640RA414-16-40-0160.171001 NORTH ST48640RA414-16-40-0180.171007 NORTH ST48640RA414-16-40-0200.171411 FOURNIE ST48640RA414-16-40-0200.171415 FOURNIE ST48640RA414-16-40-0220.171415 FOURNIE ST48640RA414-16-40-0240.171415 FOURNIE ST48640RA414-16-40-0260.171415 FOURNIE ST48640RA414-16-40-0300.161423 FOURNIE ST48640RA414-16-40-0320.161419 FOURNIE ST48640RA414-16-40-0320.161419 HALEY ST48640RA414-16-40-0320.161419 HALEY ST48640RA414-16-40-0200.161419 HALEY ST48640RA414-16-40-2000.161419 HALEY ST48640RA414-16-40-2000.161419 HALEY S	704 NORTH ST	48640	RA4	14-16-30-518	0.23
1618 HALEY ST48640RA414-16-40-0020.181614 HALEY ST48640RA414-16-40-0040.211610 HALEY ST48640RA414-16-40-0060.171606 HALEY ST48640RA414-16-40-0080.171602 HALEY ST48640RA414-16-40-0100.171418 HALEY ST48640RA414-16-40-0140.171416 HALEY ST48640RA414-16-40-0140.171410 HALEY ST48640RA414-16-40-0180.171001 NORTH ST48640RA414-16-40-0200.171005 NORTH ST48640RA414-16-40-0200.171401 FOURNIE ST48640RA414-16-40-0200.171411 FOURNIE ST48640RA414-16-40-0200.171419 FOURNIE ST48640RA414-16-40-0280.161419 FOURNIE ST48640RA414-16-40-0280.161419 FOURNIE ST48640RA414-16-40-0300.161419 FOURNIE ST48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-2000.161419 HALEY ST48640RA414-16-40-2000.161419 HALEY ST48640RA414-16-40-2000.161419 HALEY ST48640RA414-16-40-2000.161601 HALEY ST48640RA414-16-40-2000.161607 HALEY ST <td>2205 JEFFERSON AVE</td> <td>48640</td> <td>COM</td> <td>14-16-30-600</td> <td>10.39</td>	2205 JEFFERSON AVE	48640	COM	14-16-30-600	10.39
1614 HALEY ST48640RA414-16-40-0040.211610 HALEY ST48640RA414-16-40-0060.171606 HALEY ST48640RA414-16-40-0080.171602 HALEY ST48640RA414-16-40-0100.171418 HALEY ST48640RA414-16-40-0120.171416 HALEY ST48640RA414-16-40-0160.171410 HALEY ST48640RA414-16-40-0160.171001 NORTH ST48640RA414-16-40-0200.171005 NORTH ST48640RA414-16-40-0200.171007 NORTH ST48640RA414-16-40-0220.171401 FOURNIE ST48640RA414-16-40-0260.171411 FOURNIE ST48640RA414-16-40-0280.161419 FOURNIE ST48640RA414-16-40-0300.161423 FOURNIE ST48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-0200.161419 HALEY ST48640RA414-16-40-2020.161601 HALEY ST48640RA414-16-40-2000.161607 HALEY ST48640RA414-16-40-2000.161609 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2060.161609 HALEY ST <t< td=""><td>500 E NELSON ST</td><td>48640</td><td>COM</td><td>14-16-30-640</td><td>0.66</td></t<>	500 E NELSON ST	48640	COM	14-16-30-640	0.66
1614 HALEY ST48640RA414-16-40-0040.211610 HALEY ST48640RA414-16-40-0060.171606 HALEY ST48640RA414-16-40-0080.171602 HALEY ST48640RA414-16-40-0100.171418 HALEY ST48640RA414-16-40-0120.171416 HALEY ST48640RA414-16-40-0160.171410 HALEY ST48640RA414-16-40-0160.171001 NORTH ST48640RA414-16-40-0200.171005 NORTH ST48640RA414-16-40-0200.171007 NORTH ST48640RA414-16-40-0220.171401 FOURNIE ST48640RA414-16-40-0260.171411 FOURNIE ST48640RA414-16-40-0280.161419 FOURNIE ST48640RA414-16-40-0300.161423 FOURNIE ST48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-0200.161419 HALEY ST48640RA414-16-40-2020.161601 HALEY ST48640RA414-16-40-2000.161607 HALEY ST48640RA414-16-40-2000.161609 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2060.161609 HALEY ST <t< td=""><td>1618 HALEY ST</td><td>48640</td><td>RA4</td><td>14-16-40-002</td><td>0.18</td></t<>	1618 HALEY ST	48640	RA4	14-16-40-002	0.18
1606 HALEY ST48640RA414-16-40-0080.171602 HALEY ST48640RA414-16-40-0100.171418 HALEY ST48640RA414-16-40-0120.171416 HALEY ST48640RA414-16-40-0140.171410 HALEY ST48640RA414-16-40-0160.171001 NORTH ST48640RA414-16-40-0180.171005 NORTH ST48640RA414-16-40-0200.171007 NORTH ST48640RA414-16-40-0200.171007 NORTH ST48640RA414-16-40-0200.171401 FOURNIE ST48640RA414-16-40-0260.171415 FOURNIE ST48640RA414-16-40-0260.171415 FOURNIE ST48640RA414-16-40-0280.161423 FOURNIE ST48640RA414-16-40-0300.161407 HALEY ST48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-1960.171411 HALEY ST48640RA414-16-40-1980.161419 HALEY ST48640RA414-16-40-2000.161419 HALEY ST48640RA414-16-40-2000.161601 HALEY ST48640RA414-16-40-2040.161609 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2060.16		48640	RA4	14-16-40-004	0.21
1602 HALEY ST48640RA414-16-40-0100.171418 HALEY ST48640RA414-16-40-0120.171416 HALEY ST48640RA414-16-40-0140.171410 HALEY ST48640RA414-16-40-0160.171001 NORTH ST48640RA414-16-40-0180.171005 NORTH ST48640RA414-16-40-0200.171007 NORTH ST48640RA414-16-40-0200.171007 NORTH ST48640RA414-16-40-0240.171401 FOURNIE ST48640RA414-16-40-0260.171411 FOURNIE ST48640RA414-16-40-0260.171415 FOURNIE ST48640RA414-16-40-0280.161419 FOURNIE ST48640RA414-16-40-0300.161423 FOURNIE ST48640RA414-16-40-0320.161407 HALEY ST48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-1960.171411 HALEY ST48640RA414-16-40-1960.171411 HALEY ST48640RA414-16-40-2000.161419 HALEY ST48640RA414-16-40-2000.161601 HALEY ST48640RA414-16-40-2040.161607 HALEY ST48640RA414-16-40-2040.161609 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2080.16	1610 HALEY ST	48640	RA4	14-16-40-006	0.17
1418 HALEY ST48640RA414-16-40-0120.171416 HALEY ST48640RA414-16-40-0140.171410 HALEY ST48640RA414-16-40-0160.171001 NORTH ST48640RA414-16-40-0180.171005 NORTH ST48640RA414-16-40-0200.171007 NORTH ST48640RA414-16-40-0200.171007 NORTH ST48640RA414-16-40-0220.171401 FOURNIE ST48640RA414-16-40-0260.171411 FOURNIE ST48640RA414-16-40-0280.161419 FOURNIE ST48640RA414-16-40-0280.161423 FOURNIE ST48640RA414-16-40-0320.161407 HALEY ST48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-1960.171411 HALEY ST48640RA414-16-40-2020.161601 JEFFERSON AVE48640RA414-16-40-2020.161419 HALEY ST48640RA414-16-40-2020.161419 HALEY ST48640RA414-16-40-2020.161601 HALEY ST48640RA414-16-40-2020.161607 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2060.16	1606 HALEY ST	48640	RA4	14-16-40-008	0.17
1418 HALEY ST48640RA414-16-40-0120.171416 HALEY ST48640RA414-16-40-0140.171410 HALEY ST48640RA414-16-40-0160.171001 NORTH ST48640RA414-16-40-0180.171005 NORTH ST48640RA414-16-40-0200.171007 NORTH ST48640RA414-16-40-0200.171007 NORTH ST48640RA414-16-40-0220.171401 FOURNIE ST48640RA414-16-40-0260.171411 FOURNIE ST48640RA414-16-40-0280.161419 FOURNIE ST48640RA414-16-40-0280.161423 FOURNIE ST48640RA414-16-40-0320.161407 HALEY ST48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-1960.171411 HALEY ST48640RA414-16-40-2020.161601 JEFFERSON AVE48640RA414-16-40-2020.161419 HALEY ST48640RA414-16-40-2020.161419 HALEY ST48640RA414-16-40-2020.161601 HALEY ST48640RA414-16-40-2020.161607 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2060.16	1602 HALEY ST	48640	RA4	14-16-40-010	0.17
1410 HALEY ST48640RA414-16-40-0160.171001 NORTH ST48640RA414-16-40-0180.171005 NORTH ST48640RA414-16-40-0200.171007 NORTH ST48640RA414-16-40-0220.171401 FOURNIE ST48640RA414-16-40-0260.171411 FOURNIE ST48640RA414-16-40-0260.171415 FOURNIE ST48640RA414-16-40-0280.161419 FOURNIE ST48640RA414-16-40-0300.161423 FOURNIE ST48640RA414-16-40-0320.161407 HALEY ST48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-1960.171411 HALEY ST48640RA414-16-40-2000.161419 HALEY ST48640RA414-16-40-2000.161601 HALEY ST48640RA414-16-40-2000.161601 HALEY ST48640RA414-16-40-2000.161601 HALEY ST48640RA414-16-40-2040.161601 HALEY ST48640RA414-16-40-2040.161609 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2060.16	1418 HALEY ST	48640	RA4	14-16-40-012	0.17
1410 HALEY ST48640RA414-16-40-0160.171001 NORTH ST48640RA414-16-40-0180.171005 NORTH ST48640RA414-16-40-0200.171007 NORTH ST48640RA414-16-40-0220.171401 FOURNIE ST48640RA414-16-40-0260.171411 FOURNIE ST48640RA414-16-40-0260.171415 FOURNIE ST48640RA414-16-40-0280.161419 FOURNIE ST48640RA414-16-40-0300.161423 FOURNIE ST48640RA414-16-40-0320.161407 HALEY ST48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-1960.171411 HALEY ST48640RA414-16-40-2000.161419 HALEY ST48640RA414-16-40-2000.161601 HALEY ST48640RA414-16-40-2000.161601 HALEY ST48640RA414-16-40-2000.161601 HALEY ST48640RA414-16-40-2040.161601 HALEY ST48640RA414-16-40-2040.161609 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2060.16	1416 HALEY ST	48640	RA4	14-16-40-014	0.17
1001 NORTH ST48640RA414-16-40-0180.171005 NORTH ST48640RA414-16-40-0200.171007 NORTH ST48640RA414-16-40-0220.171401 FOURNIE ST48640RA414-16-40-0240.171411 FOURNIE ST48640RA414-16-40-0260.171415 FOURNIE ST48640RA414-16-40-0280.161419 FOURNIE ST48640RA414-16-40-0300.161423 FOURNIE ST48640RA414-16-40-0320.161601 JEFFERSON AVE48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-1960.171411 HALEY ST48640RA414-16-40-2000.161419 HALEY ST48640RA414-16-40-2000.161419 HALEY ST48640RA414-16-40-2000.161601 HALEY ST48640RA414-16-40-2040.161601 HALEY ST48640RA414-16-40-2040.161601 HALEY ST48640RA414-16-40-2040.161609 HALEY ST48640RA414-16-40-2060.16	1410 HALEY ST	48640	RA4	14-16-40-016	
1005 NORTH ST48640RA414-16-40-0200.171007 NORTH ST48640RA414-16-40-0220.171401 FOURNIE ST48640RA414-16-40-0240.171411 FOURNIE ST48640RA414-16-40-0260.171415 FOURNIE ST48640RA414-16-40-0280.161419 FOURNIE ST48640RA414-16-40-0300.161423 FOURNIE ST48640RA414-16-40-0320.161601 JEFFERSON AVE48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-1960.171411 HALEY ST48640RA414-16-40-1980.161419 HALEY ST48640RA414-16-40-2000.161601 HALEY ST48640RA414-16-40-2000.161607 HALEY ST48640RA414-16-40-2040.161607 HALEY ST48640RA414-16-40-2040.161609 HALEY ST48640RA414-16-40-2080.16		48640	RA4	14-16-40-018	0.17
1007 NORTH ST48640RA414-16-40-0220.171401 FOURNIE ST48640RA414-16-40-0240.171411 FOURNIE ST48640RA414-16-40-0260.171415 FOURNIE ST48640RA414-16-40-0280.161419 FOURNIE ST48640RA414-16-40-0300.161423 FOURNIE ST48640RA414-16-40-0320.161407 HALEY ST48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-1960.171411 HALEY ST48640RA414-16-40-1980.161419 HALEY ST48640RA414-16-40-2000.161601 HALEY ST48640RA414-16-40-2000.161607 HALEY ST48640RA414-16-40-2040.161607 HALEY ST48640RA414-16-40-2040.161609 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2080.16	1005 NORTH ST	48640	RA4		0.17
1411 FOURNIE ST48640RA414-16-40-0260.171415 FOURNIE ST48640RA414-16-40-0280.161419 FOURNIE ST48640RA414-16-40-0300.161423 FOURNIE ST48640RA414-16-40-0320.161601 JEFFERSON AVE48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-1960.171411 HALEY ST48640RA414-16-40-1980.161415 HALEY ST48640RA414-16-40-2000.161419 HALEY ST48640RA414-16-40-2020.161601 HALEY ST48640RA414-16-40-2040.161607 HALEY ST48640RA414-16-40-2040.161609 HALEY ST48640RA414-16-40-2060.16	1007 NORTH ST	48640			0.17
1411 FOURNIE ST48640RA414-16-40-0260.171415 FOURNIE ST48640RA414-16-40-0280.161419 FOURNIE ST48640RA414-16-40-0300.161423 FOURNIE ST48640RA414-16-40-0320.161601 JEFFERSON AVE48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-1960.171411 HALEY ST48640RA414-16-40-1980.161415 HALEY ST48640RA414-16-40-2000.161419 HALEY ST48640RA414-16-40-2020.161601 HALEY ST48640RA414-16-40-2040.161607 HALEY ST48640RA414-16-40-2040.161609 HALEY ST48640RA414-16-40-2060.16	1401 FOURNIE ST	48640	RA4	14-16-40-024	0.17
1415 FOURNIE ST48640RA414-16-40-0280.161419 FOURNIE ST48640RA414-16-40-0300.161423 FOURNIE ST48640RA414-16-40-0320.161601 JEFFERSON AVE48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-1960.171411 HALEY ST48640RA414-16-40-1980.161415 HALEY ST48640RA414-16-40-2000.161419 HALEY ST48640RA414-16-40-2020.161601 HALEY ST48640RA414-16-40-2040.161607 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2080.16					
1419 FOURNIE ST48640RA414-16-40-0300.161423 FOURNIE ST48640RA414-16-40-0320.161601 JEFFERSON AVE48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-1960.171411 HALEY ST48640RA414-16-40-1980.161415 HALEY ST48640RA414-16-40-2000.161419 HALEY ST48640RA414-16-40-2020.161601 HALEY ST48640RA414-16-40-2040.161607 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2080.16				14-16-40-028	
1423 FOURNIE ST48640RA414-16-40-0320.161601 JEFFERSON AVE48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-1960.171411 HALEY ST48640RA414-16-40-1980.161415 HALEY ST48640RA414-16-40-2000.161419 HALEY ST48640RA414-16-40-2020.161601 HALEY ST48640RA414-16-40-2040.161607 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2080.16			RA4	14-16-40-030	
1601 JEFFERSON AVE48640RA414-16-40-0340.291407 HALEY ST48640RA414-16-40-1960.171411 HALEY ST48640RA414-16-40-1980.161415 HALEY ST48640RA414-16-40-2000.161419 HALEY ST48640RA414-16-40-2020.161601 HALEY ST48640RA414-16-40-2040.161607 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2080.16	1423 FOURNIE ST			14-16-40-032	
1407 HALEY ST48640RA414-16-40-1960.171411 HALEY ST48640RA414-16-40-1980.161415 HALEY ST48640RA414-16-40-2000.161419 HALEY ST48640RA414-16-40-2020.161601 HALEY ST48640RA414-16-40-2040.161607 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2060.16	1601 JEFFERSON AVE	48640		14-16-40-034	
1411 HALEY ST48640RA414-16-40-1980.161415 HALEY ST48640RA414-16-40-2000.161419 HALEY ST48640RA414-16-40-2020.161601 HALEY ST48640RA414-16-40-2040.161607 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2080.16				14-16-40-196	
1415 HALEY ST48640RA414-16-40-2000.161419 HALEY ST48640RA414-16-40-2020.161601 HALEY ST48640RA414-16-40-2040.161607 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2080.16					
1419 HALEY ST48640RA414-16-40-2020.161601 HALEY ST48640RA414-16-40-2040.161607 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2080.16					
1601 HALEY ST 48640 RA4 14-16-40-204 0.16 1607 HALEY ST 48640 RA4 14-16-40-206 0.16 1609 HALEY ST 48640 RA4 14-16-40-208 0.16					
1607 HALEY ST48640RA414-16-40-2060.161609 HALEY ST48640RA414-16-40-2080.16					
1609 HALEY ST 48640 RA4 14-16-40-208 0.16					
	1602 MILL ST	48640	RA4	14-16-40-214	0.17

	Property		Property ID	Property
Property Address ¹	Zip	Zoning		Acreage
1416 MILL ST	48640	RA4	14-16-40-218	0.33
1410 MILL ST	48640	RA4	14-16-40-220	0.17
903 NORTH ST	48640	RA4	14-16-40-222	0.17
907 NORTH ST	48640	RA4	14-16-40-224	0.16
915 NORTH ST	48640	RA4	14-16-40-226	0.17
1411 MILL ST	48640	RA4	14-16-40-230	0.17
1413 MILL ST	48640	RA4	14-16-40-232	0.18
1415 MILL ST	48640	RA4	14-16-40-234	0.17
1402 STATE ST	48640	RA4	14-16-40-238	0.16
805 NORTH ST	48640	RA4	14-16-40-240	0.16
807 NORTH ST	48640	RA4	14-16-40-244	0.17
815 NORTH ST	48640	RA4	14-16-40-246	0.17
714 NORTH ST	48640	RA4	14-16-40-284	0.20
615 REARDON CT	48640	RA4	14-16-40-286	0.20
621 REARDON CT	48640	RA4	14-16-40-288	0.30
618 REARDON CT	48640	RA4	14-16-40-291	0.17
616 REARDON CT	48640	RA4	14-16-40-293	0.17
610 REARDON CT	48640	RA4	14-16-40-296	0.17
1112 GEORGE ST	48640	RA4	14-16-40-300	0.31
605 E CARPENTER ST	48640	RA4	14-16-40-302	0.17
609 E CARPENTER ST	48640	RA4	14-16-40-304	0.16
613 E CARPENTER ST	48640	RA4	14-16-40-306	0.17
615 E CARPENTER ST	48640	RA4	14-16-40-308	0.16
701 E CARPENTER ST	48640	RA4	14-16-40-310	0.18
711 E CARPENTER ST	48640	RA4	14-16-40-312	0.17
713 E CARPENTER ST	48640	RA4	14-16-40-314	0.17
715 E CARPENTER ST	48640	RA4	14-16-40-316	0.17
1109 STATE ST	48640	RA4	14-16-40-318	0.36
1113 STATE ST	48640	RA4	14-16-40-320	0.19
1119 STATE ST	48640	RA4	14-16-40-322	0.18
1301 STATE ST	48640	RA4	14-16-40-324	0.18
1305 STATE ST	48640	RA4	14-16-40-326	0.18
1309 STATE ST	48640	RA4	14-16-40-328	0.18
Corner of Reardon and George	48642		No Parcel #	0.33
Phase III 2013	<u>.</u>	<u> </u>		<u>.</u>
1112 SCOTT ST	48642	RA2	14-15-10-430	0.29
1108 SCOTT ST	48642	RA2	14-15-10-432	0.25
1104 SCOTT ST	48642	RA2	14-15-10-434	0.25
1100 SCOTT ST	48642	RA2	14-15-10-436	0.25
1036 SCOTT ST	48642	RA2	14-15-10-438	0.25
1032 SCOTT ST	48642	RA2	14-15-10-440	0.27
1012 SCOTT ST	48642	RA2	14-15-10-442	0.28
1029 SCOTT ST	48642	RA2	14-15-10-462	0.30
1033 SCOTT ST	48642	RA2	14-15-10-464	0.24
1037 SCOTT ST	48642	RA2	14-15-10-466	0.24
1101 SCOTT ST	48642	RA2	14-15-10-468	0.24
1101 SCOTT ST	48642	RA2	14-15-10-408	0.24
1109 SCOTT ST	48642	RA2	14-15-10-470	0.24
1103 2011 21	40042	NAZ	14-10-472	0.24

	Property		Property ID	Property
Property Address ¹	Zip	Zoning	Number	Acreage
1113 SCOTT ST	48642	RA2	14-15-10-474	0.24
1610 E HALEY ST	48642	RA3	14-15-40-004	0.40
1610 IOWA ST	48642	RA3	14-15-40-008	0.17
1606 IOWA ST	48642	RA3	14-15-40-010	0.17
1600 IOWA ST	48642	RA3	14-15-40-012	0.17
1518 IOWA ST	48642	RA3	14-15-40-014	0.17
1514 IOWA ST	48642	RA3	14-15-40-016	0.17
1510 IOWA ST	48642	RA3	14-15-40-018	0.17
1506 IOWA ST	48642	RA3	14-15-40-020	0.16
1502 IOWA ST	48642	RA3	14-15-40-022	0.17
1416 IOWA ST	48642	RA3	14-15-40-024	0.17
1412 IOWA ST	48642	RA3	14-15-40-026	0.17
1408 IOWA ST	48642	RA3	14-15-40-028	0.17
1404 IOWA ST	48642	RA3	14-15-40-030	0.17
1400 IOWA ST	48642	RB	14-15-40-032	0.18
1407 SWEDE AVE	48642	RB	14-15-40-036	0.56
1415 SWEDE AVE	48642	RB	14-15-40-043	0.27
1501 SWEDE AVE	48642	RB	14-15-40-046	0.28
1505 SWEDE AVE	48642	RB	14-15-40-048	0.28
1513 SWEDE AVE	48642	RA3	14-15-40-050	0.28
1601 SWEDE AVE	48642	RA3	14-15-40-052	0.17
1605 SWEDE AVE	48642	RA3	14-15-40-056	0.33
1609 SWEDE AVE	48642	RA3	14-15-40-060	0.17
1613 SWEDE AVE	48642	RA3	14-15-40-062	0.24
1518 E HALEY ST	48642	RA3	14-15-40-064	0.22
1514 E HALEY ST	48642	RA3	14-15-40-066	0.21
1510 E HALEY ST	48642	RA3	14-15-40-068	0.21
1506 E HALEY ST	48642	RA3	14-15-40-070	0.21
1502 E HALEY ST	48642	RA3	14-15-40-072	0.21
1418 E HALEY ST	48642	RA3	14-15-40-074	0.36
1412 E HALEY ST	48642	RA3	14-15-40-076	0.28
1406 E HALEY ST	48642	RA3	14-15-40-078	0.28
1402 E HALEY ST	48642	RA3	14-15-40-080	0.28
1318 E HALEY ST	48642	RA3	14-15-40-082	0.20
1310 E HALEY ST	48640	RA3	14-15-40-084	0.18
1306 E HALEY ST	48642	RA3	14-15-40-086	0.24
1311 CAROLINA ST	48642	RA3	14-15-40-088	0.18
1323 CAROLINA ST	48642	RA3	14-15-40-090	0.24
1405 CAROLINA ST	48642	RA4	14-15-40-092	0.27
1407 CAROLINA ST	48642	RA4	14-15-40-094	0.27
1411 CAROLINA ST	48642	RA4	14-15-40-096	0.30
1417 CAROLINA ST	48642	RA4	14-15-40-100	0.26
1501 CAROLINA ST	48642	RA4 RA4	14-15-40-102	0.20
1509 CAROLINA ST	48642	RA4 RA4	14-15-40-102	0.25
1605 IOWA ST	48642	RA4 RA3	14-15-40-104	0.20
1611 IOWA ST	48642	RA3	14-15-40-108	0.24
1510 CAROLINA ST	48642	RA4	14-15-40-108	0.18
1506 CAROLINA ST	48642		14-15-40-110	
1300 CAROLINA 31	40042	RA4	14-10-112	0.22

1	Property		Property ID	Property
Property Address ¹	Zip	Zoning	Number	Acreage
1502 CAROLINA ST	48642	RA4	14-15-40-114	0.23
1418 CAROLINA ST	48642	RA4	14-15-40-116	0.13
1416 CAROLINA ST	48642	RA4	14-15-40-117	0.15
1410 CAROLINA ST	48642	RA4	14-15-40-118	0.28
1406 CAROLINA ST	48642	RA4	14-15-40-120	0.28
1402 CAROLINA ST	48642	RA4	14-15-40-122	0.28
1324 CAROLINA ST	48642	RA3	14-15-40-140	0.27
1320 CAROLINA ST	48642	RA3	14-15-40-142	0.28
1316 CAROLINA ST	48642	RA3	14-15-40-144	0.17
1312 CAROLINA ST	48642	RA3	14-15-40-146	0.17
1308 CAROLINA ST	48642	RA3	14-15-40-148	0.17
1304 CAROLINA ST	48642	RA3	14-15-40-150	0.18
1300 E HALEY ST	48642	RA3	14-15-40-154	0.21
1210 E HALEY ST	48642	RB	14-15-40-156	0.28
1204 E HALEY ST	48642	RB	14-15-40-170	0.17
1407 IOWA ST	48642	RA3	14-15-40-304	0.17
1413 IOWA ST	48642	RA3	14-15-40-306	0.17
1417 IOWA ST	48642	RA3	14-15-40-308	0.17
1501 IOWA ST	48642	RA3	14-15-40-310	0.17
1505 IOWA ST	48642	RA3	14-15-40-312	0.17
1509 IOWA ST	48642	RA3	14-15-40-314	0.17
1513 IOWA ST	48642	RA3	14-15-40-316	0.22
700 E HALEY ST	48640	RB	14-15-50-026	0.26
612 E HALEY ST	48640	RB	14-15-50-028	0.19
608 E HALEY ST	48640	RB	14-15-50-030	0.18
604 E HALEY ST	48640	RB	14-15-50-032	0.19
602 E HALEY ST	48640	RB	14-15-50-034	0.18
514 E HALEY ST	48640	RB	14-15-50-036	0.17
510 E HALEY ST	48640	RB	14-15-50-038	0.17
504 E HALEY ST	48640	RB	14-15-50-040	0.17
500 E HALEY ST	48640	RB	14-15-50-042	0.17
1604 BAYLISS ST	48640	RB	14-15-50-044	0.17
1600 BAYLISS ST	48640	RB	14-15-50-046	0.23
1220 S SAGINAW RD	48640	RC	14-15-60-041	0.63
1214 S SAGINAW RD	48640	RC	14-15-60-046	0.66
1120 S SAGINAW RD	48640	RC	14-15-60-054	0.17
1112 S SAGINAW RD	48640	RC	14-15-60-058	0.37
1104 S SAGINAW RD	48640	RC	14-15-60-060	0.29
1020 S SAGINAW RD	48640	RC	14-15-60-064	0.25
1004 S SAGINAW RD	48640	RC	14-15-60-068	0.25
1000 S SAGINAW RD	48640	RC	14-15-60-070	0.23
1001 MICHIGAN ST	48640	RB	14-15-60-072	0.16
1005 MICHIGAN ST	48640	RB	14-15-60-074	0.10
1009 MICHIGAN ST	48640	RB	14-15-60-076	0.17
1013 MICHIGAN ST	48640	RB	14-15-60-078	0.17
1017 MICHIGAN ST	48640	RB	14-15-60-078	0.17
1101 MICHIGAN ST	48640	RB	14-15-60-082	0.17
1105 MICHIGAN ST	48640	RB	14-15-60-082	0.17
	-0040	טא	17-10-004	0.10

	Property		Property ID	Property
Property Address ¹	Zip	Zoning	Number	Acreage
1109 MICHIGAN ST	48640	RB	14-15-60-086	0.15
1113 MICHIGAN ST	48640	RB	14-15-60-088	0.17
1117 MICHIGAN ST	48640	RB	14-15-60-090	0.17
1201 MICHIGAN ST	48640	RB	14-15-60-092	0.17
1205 MICHIGAN ST	48640	RB	14-15-60-094	0.17
1209 MICHIGAN ST	48640	RB	14-15-60-096	0.17
1213 MICHIGAN ST	48640	RB	14-15-60-098	0.17
1217 MICHIGAN ST	48640	RB	14-15-60-100	0.17
1221 MICHIGAN ST	48640	RB	14-15-60-102	0.17
1225 MICHIGAN ST	48640	RB	14-15-60-104	0.17
1229 MICHIGAN ST	48640	RB	14-15-60-106	0.17
1301 MICHIGAN ST	48640	RB	14-15-60-108	0.17
1305 MICHIGAN ST	48640	RB	14-15-60-110	0.17
1401 MICHIGAN ST	48640	RB	14-15-60-112	0.20
806 MAPLE ST	48640	RB	14-15-60-120	0.18
802 MAPLE ST	48640	RB	14-15-60-122	0.18
722 MAPLE ST	48640	RB	14-15-60-124	0.18
718 MAPLE ST	48640	RB	14-15-60-126	0.18
714 MAPLE ST	48640	RB	14-15-60-128	0.18
710 MAPLE ST	48640	RB	14-15-60-130	0.18
706 MAPLE ST	48640	RB	14-15-60-132	0.18
700 MAPLE ST	48640	RB	14-15-60-134	0.25
614 MAPLE ST	48640	RB	14-15-60-136	0.26
610 MAPLE ST	48640	RB	14-15-60-138	0.18
606 MAPLE ST	48640	RB	14-15-60-140	0.18
602 MAPLE ST	48640	RB	14-15-60-142	0.18
514 MAPLE ST	48640	RB	14-15-60-144	0.18
510 MAPLE ST	48640	RB	14-15-60-146	0.18
506 MAPLE ST	48640	RB	14-15-60-148	0.18
2014 BAYLISS ST	48640	RB	14-15-60-150	0.24
501 E HALEY ST	48640	RB	14-15-60-152	0.24
505 E HALEY ST	48640	RB	14-15-60-154	0.18
511 E HALEY ST	48640	RB	14-15-60-156	0.18
513 E HALEY ST	48640	RB	14-15-60-158	0.18
607 E HALEY ST	48640	RB	14-15-60-160	0.18
605 E HALEY ST	48640	RB	14-15-60-162	0.18
609 E HALEY ST	48640	RB	14-15-60-164	0.18
613 E HALEY ST	48640	RB	14-15-60-166	0.27
701 E HALEY ST	48640	RB	14-15-60-168	0.22
705 E HALEY ST	48640	RB	14-15-60-170	0.22
709 E HALEY ST	48640	RB	14-15-60-172	0.18
713 E HALEY ST	48640	RB	14-15-60-174	0.18
717 E HALEY ST	48640	RB	14-15-60-176	0.18
719 E HALEY ST	48640	RB	14-15-60-178	0.18
801 E HALEY ST	48640	RB	14-15-60-180	0.18
805 E HALEY ST	48640	RB	14-15-60-182	0.18
809 E HALEY ST	48640	RB	14-15-60-184	0.19
813 E HALEY ST	48640	RB	14-15-60-186	0.18
	1			

Property Address1ZipZoningNumberAcrea817 E HALEY ST48640RB14-15-60-1880.161402 MICHIGAN ST48640RB14-15-60-1900.221220 MICHIGAN ST48640RB14-15-60-1940.301212 MICHIGAN ST48640RB14-15-60-1960.25714 WALNUT ST48640RB14-15-60-1980.23706 WALNUT ST48640RB14-15-60-2000.23702 WALNUT ST48640RB14-15-60-2020.18618 WALNUT ST48640RB14-15-60-2040.18614 WALNUT ST48640RB14-15-60-2060.21610 WALNUT ST48640RB14-15-60-2100.21606 WALNUT ST48640RB14-15-60-2100.21510 WALNUT ST48640RB14-15-60-2120.21510 WALNUT ST48640RB14-15-60-2140.22506 WALNUT ST48640RB14-15-60-2140.22506 WALNUT ST48640RB14-15-60-2160.232116 BAYLISS ST48640RB14-15-60-2160.232116 BAYLISS ST48640RB14-15-60-2200.21505 MAPLE ST48640RB14-15-60-2200.21515 MAPLE ST48640RB14-15-60-2240.18515 MAPLE ST48640RB14-15-60-2260.20	
1402 MICHIGAN ST48640RB14-15-60-1900.221220 MICHIGAN ST48640RB14-15-60-1940.301212 MICHIGAN ST48640RB14-15-60-1960.25714 WALNUT ST48640RB14-15-60-1980.23706 WALNUT ST48640RB14-15-60-2000.23702 WALNUT ST48640RB14-15-60-2020.18618 WALNUT ST48640RB14-15-60-2020.18614 WALNUT ST48640RB14-15-60-2060.21610 WALNUT ST48640RB14-15-60-2080.21606 WALNUT ST48640RB14-15-60-2100.21602 WALNUT ST48640RB14-15-60-2120.21510 WALNUT ST48640RB14-15-60-2140.22506 WALNUT ST48640RB14-15-60-2160.232116 BAYLISS ST48640RB14-15-60-2180.21505 MAPLE ST48640RB14-15-60-2200.21505 MAPLE ST48640RB14-15-60-2220.19511 MAPLE ST48640RB14-15-60-2240.18	
1220 MICHIGAN ST48640RB14-15-60-1940.301212 MICHIGAN ST48640RB14-15-60-1960.25714 WALNUT ST48640RB14-15-60-1980.23706 WALNUT ST48640RB14-15-60-2000.23702 WALNUT ST48640RB14-15-60-2020.18618 WALNUT ST48640RB14-15-60-2040.18614 WALNUT ST48640RB14-15-60-2060.21610 WALNUT ST48640RB14-15-60-2080.21606 WALNUT ST48640RB14-15-60-2100.21602 WALNUT ST48640RB14-15-60-2120.21506 WALNUT ST48640RB14-15-60-2140.22506 WALNUT ST48640RB14-15-60-2160.232116 BAYLISS ST48640RB14-15-60-2180.212102 BAYLISS ST48640RB14-15-60-2200.21505 MAPLE ST48640RB14-15-60-2220.19511 MAPLE ST48640RB14-15-60-2240.18	
1212 MICHIGAN ST48640RB14-15-60-1960.25714 WALNUT ST48640RB14-15-60-1980.23706 WALNUT ST48640RB14-15-60-2000.23702 WALNUT ST48640RB14-15-60-2020.18618 WALNUT ST48640RB14-15-60-2040.18614 WALNUT ST48640RB14-15-60-2060.21610 WALNUT ST48640RB14-15-60-2080.21606 WALNUT ST48640RB14-15-60-2100.21602 WALNUT ST48640RB14-15-60-2120.21510 WALNUT ST48640RB14-15-60-2140.22506 WALNUT ST48640RB14-15-60-2160.232116 BAYLISS ST48640RB14-15-60-2180.212102 BAYLISS ST48640RB14-15-60-2200.21505 MAPLE ST48640RB14-15-60-2220.19511 MAPLE ST48640RB14-15-60-2240.18	
714 WALNUT ST48640RB14-15-60-1980.23706 WALNUT ST48640RB14-15-60-2000.23702 WALNUT ST48640RB14-15-60-2020.18618 WALNUT ST48640RB14-15-60-2040.18614 WALNUT ST48640RB14-15-60-2060.21610 WALNUT ST48640RB14-15-60-2080.21606 WALNUT ST48640RB14-15-60-2100.21602 WALNUT ST48640RB14-15-60-2120.21510 WALNUT ST48640RB14-15-60-2140.22506 WALNUT ST48640RB14-15-60-2160.232116 BAYLISS ST48640RB14-15-60-2180.212102 BAYLISS ST48640RB14-15-60-2200.21505 MAPLE ST48640RB14-15-60-2220.19511 MAPLE ST48640RB14-15-60-2240.18	
706 WALNUT ST48640RB14-15-60-2000.23702 WALNUT ST48640RB14-15-60-2020.18618 WALNUT ST48640RB14-15-60-2040.18614 WALNUT ST48640RB14-15-60-2060.21610 WALNUT ST48640RB14-15-60-2080.21606 WALNUT ST48640RB14-15-60-2100.21602 WALNUT ST48640RB14-15-60-2120.21510 WALNUT ST48640RB14-15-60-2140.22506 WALNUT ST48640RB14-15-60-2160.232116 BAYLISS ST48640RB14-15-60-2180.212102 BAYLISS ST48640RB14-15-60-2200.21505 MAPLE ST48640RB14-15-60-2220.19511 MAPLE ST48640RB14-15-60-2240.18	
702 WALNUT ST48640RB14-15-60-2020.18618 WALNUT ST48640RB14-15-60-2040.18614 WALNUT ST48640RB14-15-60-2060.21610 WALNUT ST48640RB14-15-60-2080.21606 WALNUT ST48640RB14-15-60-2100.21602 WALNUT ST48640RB14-15-60-2120.21510 WALNUT ST48640RB14-15-60-2140.22506 WALNUT ST48640RB14-15-60-2160.232116 BAYLISS ST48640RB14-15-60-2180.212102 BAYLISS ST48640RB14-15-60-2200.21505 MAPLE ST48640RB14-15-60-2220.19511 MAPLE ST48640RB14-15-60-2240.18	
618 WALNUT ST48640RB14-15-60-2040.18614 WALNUT ST48640RB14-15-60-2060.21610 WALNUT ST48640RB14-15-60-2080.21606 WALNUT ST48640RB14-15-60-2100.21602 WALNUT ST48640RB14-15-60-2120.21510 WALNUT ST48640RB14-15-60-2140.22506 WALNUT ST48640RB14-15-60-2160.232116 BAYLISS ST48640RB14-15-60-2180.212102 BAYLISS ST48640RB14-15-60-2200.21505 MAPLE ST48640RB14-15-60-2220.19511 MAPLE ST48640RB14-15-60-2240.18	
614 WALNUT ST48640RB14-15-60-2060.21610 WALNUT ST48640RB14-15-60-2080.21606 WALNUT ST48640RB14-15-60-2100.21602 WALNUT ST48640RB14-15-60-2120.21510 WALNUT ST48640RB14-15-60-2140.22506 WALNUT ST48640RB14-15-60-2160.232116 BAYLISS ST48640RB14-15-60-2180.212102 BAYLISS ST48640RB14-15-60-2200.21505 MAPLE ST48640RB14-15-60-2220.19511 MAPLE ST48640RB14-15-60-2240.18	
610 WALNUT ST48640RB14-15-60-2080.21606 WALNUT ST48640RB14-15-60-2100.21602 WALNUT ST48640RB14-15-60-2120.21510 WALNUT ST48640RB14-15-60-2140.22506 WALNUT ST48640RB14-15-60-2160.232116 BAYLISS ST48640RB14-15-60-2180.212102 BAYLISS ST48640RB14-15-60-2200.21505 MAPLE ST48640RB14-15-60-2220.19511 MAPLE ST48640RB14-15-60-2240.18	
606 WALNUT ST48640RB14-15-60-2100.21602 WALNUT ST48640RB14-15-60-2120.21510 WALNUT ST48640RB14-15-60-2140.22506 WALNUT ST48640RB14-15-60-2160.232116 BAYLISS ST48640RB14-15-60-2180.212102 BAYLISS ST48640RB14-15-60-2200.21505 MAPLE ST48640RB14-15-60-2220.19511 MAPLE ST48640RB14-15-60-2240.18	
602 WALNUT ST48640RB14-15-60-2120.21510 WALNUT ST48640RB14-15-60-2140.22506 WALNUT ST48640RB14-15-60-2160.232116 BAYLISS ST48640RB14-15-60-2180.212102 BAYLISS ST48640RB14-15-60-2200.21505 MAPLE ST48640RB14-15-60-2220.19511 MAPLE ST48640RB14-15-60-2240.18	
510 WALNUT ST48640RB14-15-60-2140.22506 WALNUT ST48640RB14-15-60-2160.232116 BAYLISS ST48640RB14-15-60-2180.212102 BAYLISS ST48640RB14-15-60-2200.21505 MAPLE ST48640RB14-15-60-2220.19511 MAPLE ST48640RB14-15-60-2240.18	
506 WALNUT ST48640RB14-15-60-2160.232116 BAYLISS ST48640RB14-15-60-2180.212102 BAYLISS ST48640RB14-15-60-2200.21505 MAPLE ST48640RB14-15-60-2220.19511 MAPLE ST48640RB14-15-60-2240.18	
2116 BAYLISS ST 48640 RB 14-15-60-218 0.21 2102 BAYLISS ST 48640 RB 14-15-60-220 0.21 505 MAPLE ST 48640 RB 14-15-60-220 0.21 511 MAPLE ST 48640 RB 14-15-60-222 0.19	
2102 BAYLISS ST 48640 RB 14-15-60-220 0.21 505 MAPLE ST 48640 RB 14-15-60-222 0.19 511 MAPLE ST 48640 RB 14-15-60-224 0.18	
505 MAPLE ST 48640 RB 14-15-60-222 0.19 511 MAPLE ST 48640 RB 14-15-60-224 0.18	
511 MAPLE ST 48640 RB 14-15-60-224 0.18	
515 MAPLE ST 48640 RB 14-15-60-226 0.20	
601 MAPLE ST 48640 RB 14-15-60-228 0.19	
605 MAPLE ST 48640 RB 14-15-60-230 0.18	
609 MAPLE ST 48640 RB 14-15-60-232 0.18	
615 MAPLE ST 48640 RB 14-15-60-234 0.18	
617 MAPLE ST 48640 RB 14-15-60-236 0.18	
701 MAPLE ST 48640 RB 14-15-60-238 0.18	
705 MAPLE ST 48640 RB 14-15-60-240 0.18	
709 MAPLE ST 48640 RB 14-15-60-242 0.18	
717 MAPLE ST 48640 RB 14-15-60-244 0.18	
719 MAPLE ST 48640 RB 14-15-60-246 0.18	
705 WALNUT ST 48640 RB 14-15-60-250 0.29	
1102 MICHIGAN ST 48640 RB 14-15-60-252 0.33	
614 CHERRY ST 48640 RB 14-15-60-256 0.15	
606 CHERRY ST 48640 RB 14-15-60-258 0.33	
502 CHERRY ST 48640 RB 14-15-60-270 1.58	
513 WALNUT ST 48640 RB 14-15-60-278 0.21	
601 WALNUT ST 48640 RB 14-15-60-280 0.20	
609 WALNUT ST 48640 RB 14-15-60-282 0.20	
613 WALNUT ST 48640 RB 14-15-60-284 0.21	
617 WALNUT ST 48640 RB 14-15-60-286 0.20	
701 WALNUT ST 48640 RB 14-15-60-288 0.20	
1000 MICHIGAN ST 48640 RB 14-15-60-292 0.20	
514 EASTLAWN DR 48640 RB 14-15-60-294 0.18	
512 EASTLAWN DR 48640 RB 14-15-60-296 0.18	
504 EASTLAWN DR 48640 RB 14-15-60-298 0.22	
502 EASTLAWN DR 48640 RB 14-15-60-300 0.24	
505 CHERRY ST 48640 RB 14-15-60-304 0.39	
511 CHERRY ST 48640 RB 14-15-60-306 0.18	
601 CHERRY ST 48640 RB 14-15-60-310 0.37	

	Property		Property ID	Property
Property Address ¹	Zip	Zoning	Number	Acreage
605 CHERRY ST	48640	RB	14-15-60-312	0.35
413 CHERRY ST	48640	RB	14-15-60-314	0.18
2307 BAYLISS ST	48640	RB	14-15-60-316	0.21
412 EASTLAWN DR	48640	RB	14-15-60-320	0.33
406 EASTLAWN DR	48640	RB	14-15-60-324	0.21
404 EASTLAWN DR	48640	RB	14-15-60-326	0.21
400 EASTLAWN DR	48640	RB	14-15-60-328	0.21
312 EASTLAWN DR	48640	RB	14-15-60-330	0.21
308 EASTLAWN DR	48640	RB	14-15-60-332	0.21
304 EASTLAWN DR	48640	RB	14-15-60-334	0.21
300 EASTLAWN DR	48640	RB	14-15-60-336	0.21
218 EASTLAWN DR	48640	RB	14-15-60-338	0.21
214 EASTLAWN DR	48640	RB	14-15-60-340	0.18
210 EASTLAWN DR	48640	RB	14-15-60-342	0.18
2314 CLEVELAND AVE	48640	RB	14-15-60-344	0.17
2310 CLEVELAND AVE	48640	RB	14-15-60-346	0.17
2306 CLEVELAND AVE	48640	RB	14-15-60-348	0.18
2302 CLEVELAND AVE	48640	RB	14-15-60-350	0.28
2200 CLEVELAND AVE	48640	RB	14-15-60-360	4.64
211 CHERRYVIEW DR	48640	RB	14-15-60-362	1.95
213 CHERRYVIEW DR	48640	RB	14-15-60-364	0.02
215 CHERRYVIEW DR	48640	RB	14-15-60-366	0.02
217 CHERRYVIEW DR	48640	RB	14-15-60-368	0.02
219 CHERRYVIEW DR	48640	RB	14-15-60-370	0.02
221 CHERRYVIEW DR	48640	RB	14-15-60-372	0.02
223 CHERRYVIEW DR	48640	RB	14-15-60-374	0.02
225 CHERRYVIEW DR	48640	RB	14-15-60-376	0.03
301 CHERRYVIEW DR	48640	RB	14-15-60-378	0.02
303 CHERRYVIEW DR	48640	RB	14-15-60-380	0.02
305 CHERRYVIEW DR	48640	RB	14-15-60-382	0.02
307 CHERRYVIEW DR	48640	RB	14-15-60-384	0.02
309 CHERRYVIEW DR	48640	RB	14-15-60-386	0.02
311 CHERRYVIEW DR	48640	RB	14-15-60-388	0.02
313 CHERRYVIEW DR	48640	RB	14-15-60-390	0.02
315 CHERRYVIEW DR	48640	RB	14-15-60-392	0.02
321 CHERRYVIEW DR	48640	RB	14-15-60-394	0.02
323 CHERRYVIEW DR	48640	RB	14-15-60-396	0.02
325 CHERRYVIEW DR	48640	RB	14-15-60-398	0.02
327 CHERRYVIEW DR	48640	RB	14-15-60-400	0.02
329 CHERRYVIEW DR	48640	RB	14-15-60-402	0.02
331 CHERRYVIEW DR	48640	RB	14-15-60-404	0.02
333 CHERRYVIEW DR	48640	RB	14-15-60-406	0.02
335 CHERRYVIEW DR	48640	RB	14-15-60-408	0.02
401 CHERRYVIEW DR	48640 48640	RB	14-15-60-408 14-15-60-412	0.02
401 CHERRYVIEW DR	48640 48640	кв RB	14-15-60-412	0.02
		кв RB		
405 CHERRYVIEW DR	48640		14-15-60-416	0.02
407 CHERRYVIEW DR	48640	RB	14-15-60-418	0.02
409 CHERRYVIEW DR	48640	RB	14-15-60-420	0.02

Table 9-2Year 2 Property Information, Implementation ActivitiesPart II - Remedial Investigation ReportThe Dow Chemical Company, Michigan Operations

	Property		Property ID	Property
Property Address ¹	Zip	Zoning		Acreage
411 CHERRYVIEW DR	48640	RB	14-15-60-422	0.02
413 CHERRYVIEW DR	48640	RB	14-15-60-424	0.02
415 CHERRYVIEW DR	48640	RB	14-15-60-426	0.03
2303 CLEVELAND AVE	48640	RB	14-15-60-430	0.15
2311 CLEVELAND AVE	48640	RB	14-15-60-432	0.30
2315 CLEVELAND AVE	48640	RB	14-15-60-436	0.14
114 EASTLAWN DR	48640	RB	14-15-60-438	0.21
2318 JEFFERSON AVE	48640	RB	14-15-60-440	0.22
2314 JEFFERSON AVE	48640	RB	14-15-60-442	0.12
2310 JEFFERSON AVE	48640	RB	14-15-60-444	0.15
2306 JEFFERSON AVE	48640	RB	14-15-60-446	0.15
2302 JEFFERSON AVE	48640	RB	14-15-60-448	0.15
2218 JEFFERSON AVE	48640	RB	14-15-60-450	0.22
2214 JEFFERSON AVE	48640	RB	14-15-60-452	0.17
2212 JEFFERSON AVE	48640	RB	14-15-60-454	0.17
2210 JEFFERSON AVE	48640	RB	14-15-60-456	0.17
2202 JEFFERSON AVE	48640	RB	14-15-60-458	0.17
2120 JEFFERSON AVE	48640	RB	14-15-60-460	0.17
2118 JEFFERSON AVE	48640	RB	14-15-60-462	0.17
2112 JEFFERSON AVE	48640	RB	14-15-60-464	0.17
2114 JEFFERSON AVE	48640	RB	14-15-60-466	0.17
2024 JEFFERSON AVE	48640	RB	14-15-60-468	0.14
2020 JEFFERSON AVE	48640	RB	14-15-60-470	0.13
2018 JEFFERSON AVE	48640	RB	14-15-60-472	0.16
2016 JEFFERSON AVE	48640	RB	14-15-60-474	0.16
2010 JEFFERSON AVE	48640	RB	14-15-60-476	0.16
2006 JEFFERSON AVE	48640	RB	14-15-60-478	0.18
2002 JEFFERSON AVE	48640	OS	14-15-60-480	0.14
111 E HALEY ST	48640	RB	14-15-60-482	0.16
115 E HALEY ST	48640	RB	14-15-60-484	0.16
2011 CLEVELAND AVE	48640	RB	14-15-60-486	0.16
2013 CLEVELAND AVE	48640	RB	14-15-60-488	0.16
2017 CLEVELAND AVE	48640	RB	14-15-60-490	0.16
2100 CLEVELAND AVE	48640	RB	14-15-60-492	4.06
2018 CLEVELAND AVE	48640	RB	14-15-60-500	0.24
2012 CLEVELAND AVE	48640	RB	14-15-60-502	0.23
2006 CLEVELAND AVE	48640	RB	14-15-60-504	0.17
205 E HALEY ST	48640	RB	14-15-60-506	0.19
207 E HALEY ST	48640	RB	14-15-60-508	0.19
215 E HALEY ST	48640	RB	14-15-60-510	0.13
217 E HALEY ST	48640	RB	14-15-60-512	0.17
217 E HALEY ST	48640	RB	14-15-60-512	0.17
		RB		0.17
301 E HALEY ST	48640		14-15-60-516	-
305 E HALEY ST	48640	RB	14-15-60-518	0.17
309 E HALEY ST	48640	RB	14-15-60-522	0.33
401 E HALEY ST	48640	RB	14-15-60-524	0.14
405 E HALEY ST	48640	RB	14-15-60-526	0.14
409 E HALEY ST	48640	RB	14-15-60-528	0.57

Table 9-2Year 2 Property Information, Implementation ActivitiesPart II - Remedial Investigation ReportThe Dow Chemical Company, Michigan Operations

	Property		Property ID	Property
Property Address ¹	Zip	Zoning	Number	Acreage
411 E HALEY ST	48640	RB	14-15-60-530	0.16
2007 BAYLISS ST	48640	RB	14-15-60-532	0.32
2017 BAYLISS ST	48640	RB	14-15-60-536	0.19
418 MAPLE ST	48640	RB	14-15-60-538	0.24
400 MAPLE ST	48640	RB	14-15-60-544	0.17
314 MAPLE ST	48640	RB	14-15-60-546	0.20
312 MAPLE ST	48640	RB	14-15-60-548	0.20
306 MAPLE ST	48640	RB	14-15-60-550	0.20
302 MAPLE ST	48640	RB	14-15-60-552	0.40
218 MAPLE ST	48640	RB	14-15-60-556	0.20
214 MAPLE ST	48640	RB	14-15-60-558	0.20
206 MAPLE ST	48640	RB	14-15-60-560	0.20
2101 BAYLISS ST 11	48640	RB	14-15-60-601	5.13
2117 BAYLISS ST	48640	RB	14-15-60-647	0.02
2115 BAYLISS ST	48640	RB	14-15-60-648	0.02
2113 BAYLISS ST	48640	RB	14-15-60-649	0.02
2111 BAYLISS ST	48640	RB	14-15-60-650	0.02
2109 BAYLISS ST	48640	RB	14-15-60-651	0.02
2107 BAYLISS ST	48640	RB	14-15-60-652	0.02
2105 BAYLISS ST	48640	RB	14-15-60-653	0.02
2103 BAYLISS ST	48640	RB	14-15-60-654	0.02
309 MAPLE ST	48640	RB	14-15-60-660	2.81
1002 RODD ST	48640	RA4	14-16-30-100	0.11
1004 RODD ST	48640	RA4	14-16-30-102	0.11
1006 RODD ST	48640	RA4	14-16-30-104	0.11
1008 RODD ST	48640	RA4	14-16-30-106	0.11
1014 RODD ST	48640	RA4	14-16-30-108	0.11
1016 RODD ST	48640	RA4	14-16-30-110	0.11
502 E CARPENTER ST	48640	RB	14-16-30-148	0.17
500 E CARPENTER ST	48640	RB	14-16-30-150	0.17
1016 TOWNSEND ST	48640	RB	14-16-30-152	0.17
1012 TOWNSEND ST	48640	RB	14-16-30-154	0.17
401 E HINES ST	48640	RB	14-16-30-156	0.18
405 E HINES ST	48640	RB	14-16-30-158	0.15
409 E HINES ST	48640	RB	14-16-30-160	0.17
415 E HINES ST	48640	RB	14-16-30-162	0.17
1001 TOWNSEND ST	48640	RB	14-16-30-168	0.14
1005 TOWNSEND ST	48640	RB	14-16-30-170	0.15
1009 TOWNSEND ST	48640	RB	14-16-30-172	0.15
1013 TOWNSEND ST	48640	RB	14-16-30-174	0.11
1015 TOWNSEND ST	48640	RB	14-16-30-176	0.06
506 E CARPENTER ST	48640	RB	14-16-40-330	0.19
504 E CARPENTER ST	48640	RB	14-16-40-332	0.18
411 E HINES ST	48640	RC	14-16-40-334	1.19
406 E HINES ST	48640	IA	14-16-40-350	1.19
402 E HINES ST	48640	IA	14-16-40-364	0.33
802 TOWNSEND ST	48640	IA	14-16-40-368	0.19
800 TOWNSEND ST	48640	IA	14-16-40-372	1.06
	1.0010	1		

Table 9-2 Year 2 Property Information, Implementation Activities Part II - Remedial Investigation Report The Dow Chemical Company, Michigan Operations

	Property		Property ID	Property
Property Address ¹	Zip	Zoning	Number	Acreage
805 GEORGE ST	48640	IA	14-16-40-380	0.65
803 STATE ST	48640	RB	14-16-40-512	1.56
815 STATE ST	48640	RB	14-16-40-540	1.30
600 E CARPENTER ST	48640	RB	14-16-40-574	3.41
803 TOWNSEND ST	48640	MULT	14-16-60-030	1.53
2710 PARSONS CT	48642	RB	14-23-30-366	0.49
2706 PARSONS CT	48642	RB	14-23-30-368	0.51
2700 PARSONS CT	48642	RB	14-23-30-376	0.19
2704 PARSONS CT	48642	RB	14-23-30-378	0.25
2614 PARSONS CT	48642	RB	14-23-30-380	0.72
2610 PARSONS CT	48642	RB	14-23-30-384	0.72
2604 PARSONS CT	48642	RB	14-23-30-388	0.19
2600 PARSONS CT	48642	RB	14-23-30-390	0.23
2602 PARSONS CT	48642	RB	14-23-30-394	0.54
2516 PARSONS CT	48642	RB	14-23-30-398	0.48
310 SAM ST	48642	RB	14-23-30-400	0.13
2504 PARSONS CT	48642	RB	14-23-30-404	1.09
320 SAM ST	48642	RB	14-23-30-406	0.33
2505 PARSONS CT	48642	RB	14-23-30-412	0.43
2509 PARSONS CT	48642	RB	14-23-30-414	0.43
2513 PARSONS CT	48642	RB	14-23-30-416	0.43
333 DICK ST	48642	RB	14-23-30-418	0.27
345 DICK ST	48642	RB	14-23-30-420	0.57
351 DICK ST	48642	RB	14-23-30-426	0.62
2600 CHARLES ST	48642	RB	14-23-30-428	0.43
2520 CHARLES ST	48642	RB	14-23-30-430	0.43
2502 CHARLES ST	48642	RB	14-23-30-432	0.43
334 SAM ST	48642	RB	14-23-30-434	0.39
342 SAM ST	48642	RB	14-23-30-436	0.20
348 SAM ST	48642	RB	14-23-30-438	0.20
400 SAM ST	48642	RB	14-23-30-442	0.37
410 SAM ST	48642	RB	14-23-30-446	0.51
2620 BAY CITY RD	48642	RB	14-23-30-460	1.01
2600 BAY CITY RD	48642	RB	14-23-30-462	1.71
2524 BAY CITY RD	48642	RB	14-23-30-466	0.62
2514 BAY CITY RD	48642	RB	14-23-30-468	1.40
2504 BAY CITY RD	48642	RB	14-23-30-472	0.32
418 SAM ST	48642	RB	14-23-30-474	0.19

Notes: ¹ All Properties are within the City of Midland, MI

Zoning Codes:

CC = Community Commercial COM = Community D = Downtown District IA = Industrial MULT = Indicates that there is more than one zoning classification for that parcel NC = Neighborhood Commercial OS = Office Space

[Property ID	Property
Property Address ¹	Zoning	Number	Acreage
2313 Swede Ave	RA-3	14-15-30-002	0.24
1614 Eastlawn Dr	RA-3	14-15-30-004	0.21
1610 Eastlawn Dr	RA-3	14-15-30-006	0.21
1604 Eastlawn Dr	RA-3	14-15-30-008	0.22
1600 Eastlawn Dr	RA-3	14-15-30-010	0.19
1514 Eastlawn Dr	RA-3	14-15-30-012	0.26
1508 Eastlawn Dr	RA-3	14-15-30-014	0.19
1504 Eastlawn Dr	RA-3	14-15-30-016	0.13
1500 Eastlawn Dr	RA-3	14-15-30-018	0.21
1418 Eastlawn Dr	RA-3	14-15-30-020	0.22
1414 Eastlawn Dr	RA-3	14-15-30-022	0.23
1408 Eastlawn Dr	RA-3	14-15-30-024	0.21
1400 Eastlawn Dr	RA-3	14-15-30-026	0.24
1318 Eastlawn Dr	RA-3	14-15-30-028	0.26
1314 Eastlawn Dr	RA-3	14-15-30-030	0.19
1310 Eastlawn Dr	RA-3	14-15-30-032	0.19
2316 Carolina St	RA-3	14-15-30-034	0.21
2312 Carolina St	RA-3	14-15-30-036	0.21
2302 Carolina St	RA-3	14-15-30-038	0.22
1305 Ohio St	RA-3	14-15-30-040	0.19
1309 Ohio St	RA-3	14-15-30-042	0.19
1313 Ohio St	RA-3	14-15-30-044	0.19
1317 Ohio St	RA-3	14-15-30-046	0.19
1401 Ohio St	RA-3	14-15-30-048	0.19
1405 Ohio St	RA-3	14-15-30-050	0.19
1409 Ohio St	RA-3	14-15-30-052	0.19
1413 Ohio St	RA-3	14-15-30-054	0.21
1417 Ohio St	RA-3	14-15-30-056	0.18
1501 Ohio St	RA-3	14-15-30-058	0.20
1505 Ohio St	RA-3	14-15-30-060	0.20
1509 Ohio St	RA-3	14-15-30-062	0.20
1513 Ohio St	RA-3	14-15-30-064	0.20
1517 Ohio St	RA-3	14-15-30-066	0.19
1601 Ohio St	RA-3	14-15-30-068	0.19
1605 Ohio St	RA-3	14-15-30-070	0.19
1609 Ohio St	RA-3	14-15-30-072	0.19
1613 Ohio St	RA-3	14-15-30-074	0.19
1617 Ohio St	RA-3	14-15-30-076	0.19
1618 Ohio St	RA-3	14-15-30-080	0.18
1614 Ohio St	RA-3	14-15-30-082	0.18
2218 Tennessee St	RA-3	14-15-30-084	0.19

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
2214 Tennessee St	RA-3	14-15-30-086	0.17
2210 Tennessee St	RA-3	14-15-30-088	0.17
2206 Tennessee St	RA-3	14-15-30-090	0.17
2202 Tennessee St	RA-3	14-15-30-092	0.17
2118 Tennessee St	RA-3	14-15-30-094	0.17
2114 Tennessee St	RA-3	14-15-30-096	0.17
2110 Tennessee St	RA-3	14-15-30-098	0.17
2106 Tennessee St	RA-3	14-15-30-100	0.17
2102 Tennessee St	RA-3	14-15-30-102	0.19
1617 Maryland St	RA-3	14-15-30-104	0.19
2109 Swede Ave - DU A	RA-3	14-15-30-106A	0.16
2109 Swede Ave - DU B	RA-3	14-15-30-106B	0.17
2115 Swede Ave	RA-3	14-15-30-110	0.17
2121 Swede Ave	RA-3	14-15-30-112	0.17
2201 Swede Ave	RA-3	14-15-30-114	0.25
2209 Swede Ave	RA-3	14-15-30-120	0.25
1510 Ohio St	RA-3	14-15-30-124	0.19
1506 Ohio St	RA-3	14-15-30-126	0.19
1502 Ohio St	RA-3	14-15-30-128	0.18
1418 Ohio St	RA-3	14-15-30-130	0.18
1414 Ohio St	RA-3	14-15-30-132	0.19
1410 Ohio St	RA-3	14-15-30-134	0.19
2220 Kentucky St	RA-3	14-15-30-136	0.19
2216 Kentucky St	RA-3	14-15-30-138	0.17
2212 Kentucky St	RA-3	14-15-30-140	0.17
2210 Kentucky St	RA-3	14-15-30-142	0.17
2202 Kentucky St	RA-3	14-15-30-144	0.15
2118 Kentucky St	RA-3	14-15-30-146	0.15
2114 Kentucky St	RA-3	14-15-30-148	0.17
2110 Kentucky St	RA-3	14-15-30-150	0.17
2106 Kentucky St	RA-3	14-15-30-152	0.17
1407 Maryland St	RA-3	14-15-30-154	0.19
1411 Maryland St	RA-3	14-15-30-156	0.19
1415 Maryland St	RA-3	14-15-30-158	0.19
1417 Maryland St	RA-3	14-15-30-160	0.18
1501 Maryland St	RA-3	14-15-30-162	0.18
1507 Maryland St	RA-3	14-15-30-164	0.19
1519 Maryland St	RA-3	14-15-30-166	0.19
2101 Tennessee St	RA-3	14-15-30-168	0.19
2105 Tennessee St	RA-3	14-15-30-170	0.17
2109 Tennessee St	RA-3	14-15-30-172	0.17

[Property ID	Property
Property Address ¹	Zoning	Number	Acreage
2113 Tennessee St	RA-3	14-15-30-174	0.17
2117 Tennessee St	RA-3	14-15-30-174	0.17
1421 Maryland St - DU A	RA-3	14-15-30-180A	0.15
1421 Maryland St - DU B	RA-3	14-15-30-180A	0.05
1421 Maryland St - DU C	RA-3	14-15-30-180D	0.91
1421 Maryland St - DU D	RA-3	14-15-30-180D	0.94
1421 Maryland St - DU E	RA-3	14-15-30-180E	0.04
2201 Tennessee St	RA-3	14-15-30-184	0.15
2205 Tennessee St	RA-3	14-15-30-186	0.13
2209 Tennessee St	RA-3	14-15-30-188	0.17
2213 Tennessee St	RA-3	14-15-30-190	0.17
2217 Tennessee St	RA-3	14-15-30-192	0.19
1314 Ohio St	RA-3	14-15-30-194	0.18
1310 Ohio St	RA-3	14-15-30-196	0.18
1306 Ohio St	RA-3	14-15-30-198	0.19
2214 Carolina St	RA-3	14-15-30-200	0.17
2210 Carolina St	RA-3	14-15-30-202	0.17
2206 Carolina St	RA-3	14-15-30-204	0.17
2202 Carolina St	RA-3	14-15-30-206	0.17
2118 Carolina St	RA-3	14-15-30-208	0.17
2114 Carolina St	RA-3	14-15-30-210	0.17
2110 Carolina St	RA-3	14-15-30-212	0.17
2106 Carolina St	RA-3	14-15-30-214	0.17
1309 Maryland St	RA-3	14-15-30-216	0.19
2101 Kentucky St	RA-3	14-15-30-218	0.19
2109 Kentucky St	RA-3	14-15-30-220	0.17
2113 Kentucky St	RA-3	14-15-30-222	0.17
2117 Kentucky St	RA-3	14-15-30-224	0.17
2121 Kentucky St	RA-3	14-15-30-226	0.17
2203 Kentucky St	RA-3	14-15-30-228	0.17
2207 Kentucky St	RA-3	14-15-30-230	0.17
2211 Kentucky St	RA-3	14-15-30-232	0.17
2014 Carolina St	RA-3	14-15-30-236	0.17
2010 Carolina St	RA-3	14-15-30-238	0.17
2004 Carolina St	RA-3	14-15-30-240	0.17
1307 E Haley St	RA-3	14-15-30-242	0.14
1309 E Haley St	RA-3	14-15-30-244	0.19
1317 E Haley St	RA-3	14-15-30-246	0.17
1321 E Haley St	RA-3	14-15-30-248	0.14
1401 E Haley St	RA-3	14-15-30-250	0.18
1407 E Haley St	RA-3	14-15-30-252	0.17

[Property ID	Property
Property Address ¹	Zoning	Number	Acreage
1409 E Haley St	RA-3	14-15-30-254	0.18
1405 E Haley St	RA-3	14-15-30-256	0.18
1419 E Haley St	RA-3	14-15-30-258	0.18
1501 E Haley St	RA-3	14-15-30-260	0.20
1505 E Haley St	RA-3	14-15-30-262	0.18
1509 E Haley St	RA-3	14-15-30-264	0.18
1513 E Haley St	RA-3	14-15-30-266	0.18
1517 E Haley St	RA-3	14-15-30-268	0.17
1601 E Haley St	RA-3	14-15-30-270	0.17
1605 E Haley St	RA-3	14-15-30-272	0.17
1609 E Haley St	RA-3	14-15-30-274	0.17
1613 E Haley St	RA-3	14-15-30-276	0.17
2003 Swede Ave	RA-3	14-15-30-278	0.17
2011 Swede Ave	RA-3	14-15-30-280	0.17
1614 Maryland St	RA-3	14-15-30-282	0.17
1610 Maryland St	RA-3	14-15-30-284	0.17
1606 Maryland St	RA-3	14-15-30-286	0.17
1602 Maryland St	RA-3	14-15-30-288	0.17
1518 Maryland St	RA-3	14-15-30-290	0.17
1514 Maryland St	RA-3	14-15-30-292	0.18
1510 Maryland St	RA-3	14-15-30-294	0.18
1506 Maryland St	RA-3	14-15-30-296	0.18
1502 Maryland St	RA-3	14-15-30-298	0.20
1418 Maryland St	RA-3	14-15-30-300	0.18
1414 Maryland St	RA-3	14-15-30-302	0.18
1410 Maryland St	RA-3	14-15-30-304	0.18
1406 Maryland St - DU A	RA-3	14-15-30-306A	0.17
1406 Maryland St - DU B	RA-3	14-15-30-306B	0.16
1318 Maryland St	RA-3	14-15-30-310	0.16
1314 Maryland St	RA-3	14-15-30-312	0.17
1310 Maryland St	RA-3	14-15-30-314	0.17
2009 Carolina St	RA-3	14-15-30-316	0.18
2013 Carolina St	RA-3	14-15-30-318	0.18
2017 Carolina St	RA-3	14-15-30-320	0.18
2103 Carolina St	RA-3	14-15-30-322	0.18
2107 Carolina St	RA-3	14-15-30-324	0.18
2111 Carolina St	RA-3	14-15-30-326	0.18
2115 Carolina St	RA-3	14-15-30-328	0.18
2119 Carolina St	RA-3	14-15-30-330	0.18
2201 Carolina St	RA-3	14-15-30-332	0.18
2205 Carolina St	RA-3	14-15-30-334	0.18

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
2209 Carolina St	RA-3	14-15-30-336	0.18
2213 Carolina St	RA-3	14-15-30-338	0.18
2217 Carolina St	RA-3	14-15-30-340	0.20
2221 Carolina St	RA-3	14-15-30-342	0.20
2303 Carolina St	RA-3	14-15-30-344	0.18
2307 Carolina St	RA-3	14-15-30-346	0.18
2311 Carolina St	RA-3	14-15-30-348	0.18
2315 Carolina St	RA-3	14-15-30-350	0.22
2316 Virginia St	RA-3	14-15-30-352	0.22
2312 Virginia St	RA-3	14-15-30-354	0.19
2308 Virginia St	RA-3	14-15-30-356	0.18
2306 Virginia St	RA-3	14-15-30-358	0.18
2302 Virginia St	RA-3	14-15-30-360	0.20
2218 Virginia St	RA-3	14-15-30-362	0.20
2214 Virginia St	RA-3	14-15-30-364	0.18
2212 Virginia St	RA-3	14-15-30-366	0.18
2206 Virginia St	RA-3	14-15-30-368	0.18
2204 Virginia St	RA-3	14-15-30-370	0.18
2120 Virginia St	RA-3	14-15-30-372	0.18
2114 Virginia St	RA-3	14-15-30-374	0.18
2112 Virginia St	RA-3	14-15-30-376	0.18
2106 Virginia St	RA-3	14-15-30-378	0.18
2102 Virginia St	RA-3	14-15-30-380	0.18
2020 Virginia St	RA-3	14-15-30-382	0.18
2014 Virginia St	RA-3	14-15-30-384	0.18
2010 Virginia St	RA-3	14-15-30-386	0.18
2004 Virginia St	RA-3	14-15-30-388	0.19
1205 E Haley St	RA-3	14-15-30-390	0.17
1209 E Haley St	RB	14-15-30-392	0.17
1213 E Haley St	RA-3	14-15-30-394	0.19
1125 E Haley St	RA-3	14-15-30-400	0.25
1129 E Haley St	RA-3	14-15-30-402	0.19
2009 Virginia St	RA-3	14-15-30-404	0.18
2013 Virginia St	RA-3	14-15-30-406	0.28
2103 Virginia St	RA-3	14-15-30-410	0.29
2107 Virginia St	RA-3	14-15-30-414	0.18
2115 Virginia St - DU A	RA-3	14-15-30-416A	0.11
2115 Virginia St - DU B	RA-3	14-15-30-416B	0.73
2207 Virginia St	RA-3	14-15-30-424	0.18
2209 Virginia St	RA-3	14-15-30-426	0.18
2215 Virginia St	RA-3	14-15-30-428	0.18

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
2217 Virginia St	RA-3	14-15-30-430	0.20
2301 Virginia St	RA-3	14-15-30-432	0.20
2305 Virginia St	RA-3	14-15-30-434	0.18
2307 Virginia St	RA-3	14-15-30-436	0.18
2311 Virginia St	RA-3	14-15-30-438	0.20
2315 Virginia St	RA-3	14-15-30-440	0.20
1024 Eastlawn Dr - DU A	RB	14-15-30-444A	1.17
1024 Eastlawn Dr - DU B	RB	14-15-30-444B	1.04
1010 Eastlawn Dr - DU B	RB	14-15-30-450B	1.62
1010 Eastlawn Dr - DU C	RB	14-15-30-450C	0.46
1000 Eastlawn & 1010 Eastlawn Dr	RB	14-15-30-496 14	1.16
2008 Wisconsin St - DU A	OS	14-15-30-518A	0.53
2008 Wisconsin St - DU B	OS	14-15-30-518B	0.57
2008 Wisconsin St - DU C	OS	14-15-30-518C	1.13
2008 Wisconsin St - DU D	OS	14-15-30-518D	0.70
2008 Wisconsin St - DU E	OS	14-15-30-518E	1.07
2008 Wisconsin St - DU F	OS	14-15-30-518F	1.00
2410 Rodd St - DU A	RB	14-16-20-480A	0.35
2410 Rodd St - DU B	RB	14-16-20-480B	1.02
410 E Nelson St - DU A	СОМ	14-16-20-584A	0.70
410 E Nelson St - DU B	СОМ	14-16-20-584B	0.58
410 E Nelson St - DU C	СОМ	14-16-20-584C	0.43
410 E Nelson St - DU D	СОМ	14-16-20-584D	0.55
410 E Nelson St - DU E	СОМ	14-16-20-584E	1.32
410 E Nelson St - DU F	СОМ	14-16-20-584F	0.06
410 E Nelson St - DU G	СОМ	14-16-20-584G	1.22
410 E Nelson St - DU H	СОМ	14-16-20-584H	1.32
410 E Nelson St - DU I	СОМ	14-16-20-584I	1.94
410 E Nelson St - DU J	СОМ	14-16-20-584J	0.98
410 E Nelson St - DU K	СОМ	14-16-20-584K	1.24
410 E Nelson St - DU L	СОМ	14-16-20-584L	1.03
410 E Nelson St - DU M	СОМ	14-16-20-584M	0.81
410 E Nelson St - DU N	СОМ	14-16-20-584N	0.86
410 E Nelson St - DU O	СОМ	14-16-20-5840	0.88
505 E Carpenter St - DU A	RA-4	14-16-30-120A	1.24
505 E Carpenter St - DU B	RA-4	14-16-30-120B	1.28
505 E Carpenter St - DU C	RA-4	14-16-30-120C	0.68
505 E Carpenter St - DU D	RA-4	14-16-30-120D	1.19
1102 Rodd St	RA-4	14-16-30-180	0.17
1106 Rodd St	RA-4	14-16-30-182	0.21
1116 Rodd St	RA-4	14-16-30-184	0.29

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
305 E Reardon St - DU A	COM	14-16-30-200A	20.64
305 E Reardon St - DU B	СОМ	14-16-30-200B	1.56
305 E Reardon St - DU C	СОМ	14-16-30-200C	1.89
305 E Reardon St - DU D	СОМ	14-16-30-200D	1.76
305 E Reardon St - DU E	COM	14-16-30-200E	0.69
305 E Reardon St - DU F	СОМ	14-16-30-200F	0.96
305 E Reardon St - DU G	COM	14-16-30-200G	0.21
305 E Reardon St - DU H	COM	14-16-30-200H	0.58
305 E Reardon St - DU I	COM	14-16-30-2001	0.28
305 E Reardon St - DU J	COM	14-16-30-200J	0.81
305 E Reardon St - DU K	COM	14-16-30-200K	0.33
305 E Reardon St - DU L	COM	14-16-30-200L	1.36
305 E Reardon St - DU M	COM	14-16-30-200M	2.85
305 E Reardon St - DU N	COM	14-16-30-200N	0.42
310 Townsend St	D	14-16-50-142	0.12
314 Townsend St	D	14-16-50-144	0.21
301 Townsend St	D	14-16-50-150	0.11
311 E Ellsworth St	D	14-16-50-208	0.17
2607 Bay City Rd - DU A	СОМ	14-23-20-010A	1.44
2607 Bay City Rd - DU B	СОМ	14-23-20-010B	1.28
2607 Bay City Rd - DU C	СОМ	14-23-20-010C	1.20
2607 Bay City Rd - DU D	СОМ	14-23-20-010D	0.81
2607 Bay City Rd - DU E	СОМ	14-23-20-010E	0.75
2607 Bay City Rd - DU F	СОМ	14-23-20-010F	1.21
2607 Bay City Rd - DU G	COM	14-23-20-010G	0.68
807 Waldo Ave	RC	14-23-20-486	0.63
835 Waldo Ave	RC	14-23-20-494	0.35
833 Waldo Ave - DU A	RC	14-23-20-498A	0.29
833 Waldo Ave - DU B	RC	14-23-20-498B	0.56
837 Waldo Ave	RC	14-23-20-502	0.36
401 Waldo Ave	RA-4	14-23-30-002	0.14
409 Waldo Ave	RA-3	14-23-30-004	0.33
415 Waldo Ave	RA-4	14-23-30-006	0.67
419 Waldo Ave	RA-4	14-23-30-010	0.67
3216 Bay City Rd - DU B	RC	14-23-30-018B	0.43
3212 Bay City Rd	RA-4	14-23-30-022	0.42
3204 Bay City Rd	RA-4	14-23-30-024	0.37
3128 Bay City Rd - DU A	RA-1	14-23-30-028A	0.26
3128 Bay City Rd - DU B	RA-1	14-23-30-028B	0.21
3120 Bay City Rd - DU A	RA-4	14-23-30-032A	0.43
3120 Bay City Rd - DU B	RA-4	14-23-30-032B	0.18

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
434 Lemke St	RA-4	14-23-30-034	0.38
428 Lemke St	RA-4	14-23-30-036	0.30
424 Lemke St	RA-4	14-23-30-042	0.27
420 Lemke St - DU A	RA-4	14-23-30-044A	0.24
420 Lemke St - DU B	RA-4	14-23-30-044B	0.24
416 Lemke St - DU A	RA-4	14-23-30-045A	0.16
416 Lemke St - DU B	RA-4	14-23-30-045B	0.26
412 Lemke St - DU A	RA-4	14-23-30-046A	0.16
412 Lemke St - DU B	RA-4	14-23-30-046B	0.26
408 Lemke St - DU A	RA-4	14-23-30-047A	0.17
408 Lemke St - DU B	RA-4	14-23-30-047B	0.26
404 Lemke St	RA-4	14-23-30-054	0.20
3101 Beech St	RA-4	14-23-30-056	0.20
3111 Beech St	RA-4	14-23-30-058	0.21
3115 Beech St	RA-4	14-23-30-060	0.29
3119 Beech St - DU A	RA-4	14-23-30-064A	0.25
3119 Beech St - DU B	RA-4	14-23-30-064B	0.21
3205 Beech St	RA-4	14-23-30-066	0.27
235 Waldo Ave	RA-4	14-23-30-070	0.41
239 Waldo Ave	RA-4	14-23-30-072	0.45
301 Waldo Ave	RA-3	14-23-30-074	0.44
305 Waldo Ave	RA-4	14-23-30-076	0.46
309 Waldo Ave	RA-4	14-23-30-078	0.45
311 Waldo		14-23-30-080	0.45
315 Waldo Ave	RA-4	14-23-30-082	0.20
317 Waldo Ave	RA-4	14-23-30-083	0.20
321 Waldo Ave	RA-4	14-23-30-086	0.28
3208 Beech St	RA-4	14-23-30-088	0.42
3204 Beech St	RA-4	14-23-30-090	0.39
337 Lemke St - DU A	RA-4	14-23-30-094A	1.71
337 Lemke St - DU B	RA-4	14-23-30-094B	0.64
337 Lemke St - DU C	RA-4	14-23-30-094C	3.52
337 Lemke St - DU D	RA-4	14-23-30-094D	0.85
337 Lemke St - DU E	RA-4	14-23-30-094E	1.12
337 Lemke St - DU F	RA-4	14-23-30-094F	0.81
337 Lemke St - DU G	RA-4	14-23-30-094G	0.77
337 Lemke St - DU H	RA-4	14-23-30-094H	1.18
337 Lemke St - DU I		14-23-30-0941	0.13
409 Lemke St	RA-4	14-23-30-180	0.40
413 Lemke St	RA-4	14-23-30-182	0.48
421 Lemke St	RA-4	14-23-30-184	0.40

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
425 Lemke St	RA-4	14-23-30-186	0.27
3020 Bay City Rd	RA-4	14-23-30-188	0.24
3008 Bay City Rd	RA-4	14-23-30-190	0.22
3000 Bay City Rd	RA-4	14-23-30-192	0.36
2924 Bay City Rd		14-23-30-196	0.29
2916 Bay City Rd	RA-4	14-23-30-198	0.29
424 Longview St	RA-4	14-23-30-202	0.19
420 Longview St	RA-4	14-23-30-204	0.19
416 Longview St	RA-4	14-23-30-206	0.19
412 Longview St	RA-4	14-23-30-208	0.19
408 Longview St	RA-4	14-23-30-210	0.19
404 Longview St	RA-4	14-23-30-212	0.19
400 Longview St	RA-4	14-23-30-214	0.19
340 Longview St	RA-4	14-23-30-216	0.19
336 Longview St	RA-4	14-23-30-218	0.19
332 Longview St	RA-4	14-23-30-220	0.19
328 Longview St	RA-4	14-23-30-222	0.19
324 Longview St	RA-4	14-23-30-224	0.19
320 Longview St	RA-4	14-23-30-226	0.19
316 Longview St	RA-4	14-23-30-228	0.19
312 Longview St	RA-4	14-23-30-230	0.19
308 Longview St	RA-4	14-23-30-232	0.19
304 Longview St	RA-4	14-23-30-234	0.19
300 Longview St	RA-4	14-23-30-236	0.22
301 Longview St	RA-4	14-23-30-238	0.22
305 Longview St	RA-4	14-23-30-240	0.19
309 Longview St	RA-4	14-23-30-242	0.19
313 Longview St	RA-4	14-23-30-246	0.19
317 Longview St	RA-4	14-23-30-248	0.16
321 Longview St	RA-4	14-23-30-250	0.19
325 Longview St	RA-4	14-23-30-252	0.19
329 Longview St	RA-4	14-23-30-254	0.19
333 Longview St	RA-4	14-23-30-256	0.19
337 Longview St	RA-4	14-23-30-258	0.19
341 Longview St	RA-4	14-23-30-260	0.19
401 Longview St	RA-4	14-23-30-262	0.19
405 Longview St	RA-4	14-23-30-263	0.19
409 Longview St	RA-4	14-23-30-266	0.19
413 Longview St	RA-4	14-23-30-268	0.19
417 Longview St	RA-4	14-23-30-270	0.19
421 Longview St	RA-4	14-23-30-272	0.19

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
425 Longview St	RA-4	14-23-30-274	0.19
2908 Bay City Rd	RA-4	14-23-30-278	0.29
2824 Bay City Rd	RA-4	14-23-30-280	0.29
2800 Bay City Rd	RB	14-23-30-282	0.36
2734 Bay City Rd	RB	14-23-30-288	0.33
2728 Bay City Rd	RB	14-23-30-290	0.28
2710 Bay City Rd	RB	14-23-30-292	0.48
2708 Bay City Rd	RB	14-23-30-294	0.87
420 Dick St - DU A	RB	14-23-30-300A	0.94
420 Dick St - DU B	RB	14-23-30-300B	0.73
420 Dick St - DU C	RB	14-23-30-300C	0.71
350 Dick St - DU A	RB	14-23-30-332A	0.62
350 Dick St - DU B	RB	14-23-30-332B	0.68
336 Dick St - DU A	RB	14-23-30-344A	0.35
336 Dick St - DU B	RB	14-23-30-344B	0.33
2705 Parsons Ct	RB	14-23-30-348	0.50
2711 Parsons Ct	RB	14-23-30-350	0.50
2719 Parsons Ct	RB	14-23-30-352	0.48
2801 Parsons Ct - DU A	RB	14-23-30-354A	0.39
2801 Parsons Ct - DU B	RB	14-23-30-354B	0.23
2805 Parsons Ct	RB	14-23-30-358	0.59
2804 Parsons Ct - DU A	RB	14-23-30-359A	0.24
2804 Parsons Ct - DU B	RB	14-23-30-359B	0.20
2800 Parsons Ct - DU A	RB	14-23-30-360A	0.33
2800 Parsons Ct - DU B	RB	14-23-30-360B	0.46
2720 Parsons Ct	RB	14-23-30-361	0.44
2716 Parsons Ct	RB	14-23-30-364	0.58
310 Sam St	RB	14-23-30-400	0.14

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Zoning Codes:

COM = Community	RA-3 = Residential
D= Downtown District	RA-4 - Residential
IA = Indistrial	RB = Residential
OS = Office Space	RC = Regional Commercial
LCMR =	
MULT = Indicates that there is more	re than one zoning classificaiton for tha
NC = Neighborhood Commercial	

			Property
Property Address ¹	Zoning	Property ID Number	Acreage
2014 Phase IA			
3500 E Ashman St - DU A	LCMR	14-13-10-800A	2.06
3500 E Ashman St - DU B	LCMR	14-13-10-800B	2.06
2301 Waldo Ave - DU A	LCMR	14-14-30-010A	2.28
2301 Waldo Ave - DU B	LCMR	14-14-30-010B	2.28
1012 E Patrick Rd DU A	RC	MDOT Right Of Way A	6.16
1012 E Patrick Rd DU B	RC	MDOT Right Of Way B	-
1012 E Patrick Rd DU C	RC	MDOT Right Of Way C	-
1012 E Patrick Rd DU D	RC	MDOT Right Of Way D	-
1012 E Patrick Rd DU E	RC	MDOT Right Of Way E	-
2014 Phase II - Commercial P	roperties		
910 Eastlawn Dr	OS	14-15-30-498	0.56
1607 E Patrick Rd	NC	14-15-40-334	0.55
1613 E Patrick Rd	NC	14-15-40-340	0.34
816 E Haley St	RB	14-15-50-004	1.16
1510 Bayliss St - DU A	OS	14-15-50-090A	6.14
1510 Bayliss St - DU B	OS	14-15-50-090B	-
1510 Bayliss St - DU C	OS	14-15-50-090C	-
1510 Bayliss St - DU D	OS	14-15-50-090D	-
1510 Bayliss St - DU E	OS	14-15-50-090E	-
502 Cherry St	RB	14-15-60-270	1.86
1113 E Carpenter St	RB	14-16-40-104	0.33
1001 E Carpenter St	NC	14-16-40-136	0.17
805 George St ²	IA	14-16-40-380	0.71
600 E Carpenter St - DU A	RB	14-16-40-574A	3.82
600 E Carpenter St - DU B	RB	14-16-40-574B	-
600 E Carpenter St - DU C	RB	14-16-40-574C	-
1006 E Carpenter St	NC	14-16-40-670	0.18
1016 Haley St	NC	14-16-40-672	0.17
712 Townsend St	RC	14-16-50-008	0.91
501 George St	OS	14-16-50-068	0.11
502 Townsend St	OS	14-16-50-122	0.34
414 Townsend St	D	14-16-50-124	0.66
409 E Buttles St	D	14-16-50-130	0.17
309 E Indian St	OS	14-16-50-164	0.33
709 Townsend St	RC	14-16-50-186	0.19
715 Townsend St	RC	14-16-50-188	0.56
302 E Indian St	OS	14-16-50-234	0.17

			Property
Property Address ¹	Zoning	Property ID Number	Acreage
803 Townsend St & 809			
Townsend	MULT	14-16-60-030	1.74
614 Haley St	RB	14-21-10-398	0.12
901 E Indian St	OS	14-21-10-530	0.33
711 Haley St	RC	14-21-10-562	0.17
715 Haley St	RC	14-21-10-564	0.28
907 E Pine St & 701 Haley St &		14-21-10-568 & 14-21-10	
706 Mill St	RC	558 & 14-16-40-508	0.67
601 Mill St	RB	14-21-10-608	0.29
609 Mill St	RB	14-21-10-612	0.17
1612 E Patrick Rd - DU A	RC	14-22-10-004A	0.94
1612 E Patrick Rd - DU B	RC	14-22-10-004B	-
2505 Bay City Rd	RB	14-23-20-004	1.15
3216 Bay City Rd - DU A	RC	14-23-30-018A	0.68
309 Kent Ct - DU A	MULT	14-23-60-160A	0.39
309 Kent Ct - DU B	MULT	14-23-60-160B	-
401 Kent Ct - DUA	MULT	14-23-60-180A	0.55
401 Kent Ct - DUB	MULT	14-23-60-180B	-
1700 E Patrick Rd	RC	14-23-80-090	1.16

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² Removed from sampling list per DEQ request, due to insufficient area to sam **Zoning Codes:**

•	
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IA = Indistrial	RB = Residential
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		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
3011 SWEDE AVE	RA-3	14-15-10-002	0.14
1614 E ASHMAN ST	RA-3	14-15-10-004	0.14
1610 E ASHMAN ST	RA-3	14-15-10-006	0.23
1602 E ASHMAN ST	RA-3	14-15-10-008	0.23
1522 E ASHMAN ST	RA-3	14-15-10-010	0.14
1518 E ASHMAN ST	RA-3	14-15-10-012	0.17
1514 E ASHMAN ST	RA-3	14-15-10-014	0.12
1510 E ASHMAN ST	RA-3	14-15-10-016	0.14
1506 E ASHMAN ST	RA-3	14-15-10-018	0.14
3010 BYRD ST	RA-3	14-15-10-020	0.14
3000 BYRD ST	RA-3	14-15-10-022	0.14
1505 WYLLYS ST	RA-3	14-15-10-024	0.14
1509 WYLLYS ST	RA-3	14-15-10-026	0.14
1513 WYLLYS ST	RA-3	14-15-10-028	0.14
1517 WYLLYS ST	RA-3	14-15-10-030	0.14
1521 WYLLYS ST	RA-3	14-15-10-032	0.14
1603 WYLLYS ST	RA-3	14-15-10-034	0.21
1609 WYLLYS ST	RA-3	14-15-10-038	0.20
1613 WYLLYS ST	RA-3	14-15-10-040	0.14
3005 SWEDE AVE	RA-3	14-15-10-042	0.14
1422 E ASHMAN ST	RA-3	14-15-10-050	0.14
1418 E ASHMAN ST	RA-3	14-15-10-052	0.14
1414 E ASHMAN ST	RA-3	14-15-10-054	0.14
1410 E ASHMAN ST	RA-3	14-15-10-056	0.14
1406 E ASHMAN ST	RA-3	14-15-10-058	0.14
1402 E ASHMAN ST	RA-3	14-15-10-060	0.14
1326 E ASHMAN ST	RA-3	14-15-10-062	0.14
1322 E ASHMAN ST	RA-3	14-15-10-064	0.14
1318 E ASHMAN ST	RA-3	14-15-10-066	0.14
1314 E ASHMAN ST	RA-3	14-15-10-068	0.14
1310 E ASHMAN ST	RA-3	14-15-10-070	0.13
1306 E ASHMAN ST	RA-3	14-15-10-072	0.14
1302 E ASHMAN ST	RA-3	14-15-10-074	0.14
1301 WYLLYS ST	RA-3	14-15-10-076	0.14
1305 WYLLYS ST	RA-3	14-15-10-078	0.14
1309 WYLLYS ST	RA-3	14-15-10-080	0.13
1313 WYLLYS ST	RA-3	14-15-10-082	0.14
1317 WYLLYS ST	RA-3	14-15-10-084	0.14

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
1321 WYLLYS ST	RA-3	14-15-10-086	0.14
1325 WYLLYS ST	RA-3	14-15-10-088	0.14
1401 WYLLYS ST	RA-3	14-15-10-090	0.14
1405 WYLLYS ST	RA-3	14-15-10-092	0.14
1409 WYLLYS ST	RA-3	14-15-10-094	0.14
1413 WYLLYS ST	RA-3	14-15-10-096	0.14
1417 WYLLYS ST	RA-3	14-15-10-098	0.14
3003 BYRD ST	RA-3	14-15-10-100	0.14
1222 E ASHMAN ST	RA-3	14-15-10-104	0.14
1218 E ASHMAN ST	RA-3	14-15-10-106	0.14
1214 E ASHMAN ST	RA-3	14-15-10-108	0.14
1210 E ASHMAN ST	RA-3	14-15-10-110	0.14
1206 E ASHMAN ST	RA-3	14-15-10-112	0.14
1200 E ASHMAN ST	RA-3	14-15-10-114	0.14
1126 E ASHMAN ST	RA-3	14-15-10-116	0.21
1122 E ASHMAN ST	RA-3	14-15-10-120	0.21
1112 E ASHMAN ST-DUA	RA-3	14-15-10-124A	0.60
1112 E ASHMAN ST-DUB	RA-3	14-15-10-124B	0.78
1125 WYLLYS ST	RA-3	14-15-10-186	0.29
1205 WYLLYS ST	RA-3	14-15-10-190	0.29
1213 WYLLYS ST	RA-3	14-15-10-196	0.22
1217 WYLLYS ST	RA-3	14-15-10-200	0.14
3003 LINDY ST	RA-3	14-15-10-202	0.14
1222 WYLLYS ST	RA-3	14-15-10-206	0.14
1220 WYLLYS ST	RA-3	14-15-10-208	0.14
1216 WYLLYS ST	RA-3	14-15-10-210	0.14
1210 WYLLYS ST	RA-3	14-15-10-212	0.14
1208 WYLLYS ST	RA-3	14-15-10-214	0.29
1128 WYLLYS ST	RA-3	14-15-10-218	0.14
1124 WYLLYS ST	RA-3	14-15-10-220	0.14
1120 WYLLYS ST	RA-3	14-15-10-222	0.14
1112 WYLLYS ST	RA-3	14-15-10-224	0.18
1108 WYLLYS ST	RA-3	14-15-10-228	0.30
1020 WYLLYS ST	RA-3	14-15-10-232	0.25
2913 SWEDE AVE	RA-3	14-15-10-554	0.14
1614 WYLLYS ST	RA-2	14-15-10-556	0.14
1610 WYLLYS ST	RA-2	14-15-10-558	0.20
1604 WYLLYS ST	RA-2	14-15-10-562	0.23

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
1524 WYLLYS ST	RA-2	14-15-10-566	0.21
1514 WYLLYS ST	RA-2	14-15-10-568	0.21
1510 WYLLYS ST	RA-2	14-15-10-570	0.14
1506 WYLLYS ST	RA-2	14-15-10-572	0.14
1502 WYLLYS ST	RA-2	14-15-10-574	0.21
1424 WYLLYS ST	RA-2	14-15-10-578	0.21
1420 WYLLYS ST	RA-2	14-15-10-580	0.14
1416 WYLLYS ST	RA-2	14-15-10-582	0.14
1412 WYLLYS ST	RA-2	14-15-10-584	0.14
1408 WYLLYS ST	RA-2	14-15-10-586	0.14
1402 WYLLYS ST	RA-2	14-15-10-588	0.14
1326 WYLLYS ST	RA-2	14-15-10-590	0.14
1322 WYLLYS ST	RA-2	14-15-10-592	0.14
1318 WYLLYS ST	RA-2	14-15-10-594	0.14
1314 WYLLYS ST	RA-2	14-15-10-596	0.14
1308 WYLLYS ST	RA-2	14-15-10-598	0.28
1304 WYLLYS ST	RA-2	14-15-10-602	0.14
1301 EASTLAWN DR - DU A	RB	14-15-20-004A	45.72
1301 EASTLAWN DR - DU AA	RB	14-15-20-004AA	
1301 EASTLAWN DR - DU AB	RB	14-15-20-004AB	
1301 EASTLAWN DR - DU B	RB	14-15-20-004B	
1301 EASTLAWN DR - DU C	RB	14-15-20-004C	
1301 EASTLAWN DR - DU D	RB	14-15-20-004D	
1301 EASTLAWN DR - DU E	RB	14-15-20-004E	
1301 EASTLAWN DR DU F	RB	14-15-20-004F	
1301 EASTLAWN DR - DU G	RB	14-15-20-004G	
1301 EASTLAWN DR - DU H	RB	14-15-20-004H	
1301 EASTLAWN DR - DU I	RB	14-15-20-0041	
1301 EASTLAWN DR - DU J	RB	14-15-20-004J	
1301 EASTLAWN DR - DU K	RB	14-15-20-004K	
1301 EASTLAWN DR - DU L	RB	14-15-20-004L	
1301 EASTLAWN DR - DU M	RB	14-15-20-004M	
1301 EASTLAWN DR - DU N	RB	14-15-20-004N	
1301 EASTLAWN DR - DU O	RB	14-15-20-0040	
1301 EASTLAWN DR - DU P	RB	14-15-20-004P	
1301 EASTLAWN DR - DU Q	RB	14-15-20-004Q	
1301 EASTLAWN DR - DU R	RB	14-15-20-004R	
1301 EASTLAWN DR - DU S	RB	14-15-20-004S	

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
1301 EASTLAWN DR - DU T	RB	14-15-20-004T	
1301 EASTLAWN DR - DU U	RB	14-15-20-004U	
1301 EASTLAWN DR - DU V	RB	14-15-20-004V	
1301 EASTLAWN DR - DU W	RB	14-15-20-004W	
1301 EASTLAWN DR - DU X	RB	14-15-20-004X	
1301 EASTLAWN DR - DU Y	RB	14-15-20-004Y	
1301 EASTLAWN DR - DU Z	RB	14-15-20-004Z	
218 E COLLINS ST	RA-4	14-16-20-294	0.11
214 E COLLINS ST	RA-4	14-16-20-296	0.11
210 E COLLINS ST	RA-4	14-16-20-298	0.11
206 E COLLINS ST	RA-4	14-16-20-300	0.11
202 E COLLINS ST	RA-4	14-16-20-302	0.11
122 E COLLINS ST	RA-4	14-16-20-304	0.11
120 E COLLINS ST	RA-4	14-16-20-306	0.11
116 E COLLINS ST	RA-4	14-16-20-308	0.11
110 E COLLINS ST	RA-4	14-16-20-310	0.11
1620 ASHMAN ST	RA-4	14-16-20-312	0.11
1616 ASHMAN ST	RA-4	14-16-20-314	0.12
1610 ASHMAN ST	RA-4	14-16-20-316	0.19
1600 ASHMAN ST	RA-4	14-16-20-320	0.34
111 E BAKER ST	RA-4	14-16-20-322	0.26
113 E BAKER ST	RA-4	14-16-20-324	0.26
117 E BAKER ST	RA-4	14-16-20-326	0.25
119 E BAKER ST	RA-4	14-16-20-328	0.26
205 E BAKER ST	RA-4	14-16-20-330	0.26
209 E BAKER ST	RA-4	14-16-20-332	0.26
1601 RODD ST	RA-4	14-16-20-334	0.26
1005 RODD ST	OS	14-16-30-002	0.17
1013 RODD ST	OS	14-16-30-004	0.17
1015 RODD ST	OS	14-16-30-006	0.16
115 E CARPENTER ST	RA-4	14-16-30-010	0.12
119 E CARPENTER ST	RA-4	14-16-30-012	0.14
201 E CARPENTER ST	RA-4	14-16-30-014	0.15
205 E CARPENTER ST	RA-4	14-16-30-016	0.17
1101 RODD ST	RA-4	14-16-30-018	0.17
1103 RODD ST	RA-4	14-16-30-020	0.17
1111 RODD ST	RA-4	14-16-30-022	0.12
1113 RODD ST	RA-4	14-16-30-024	0.21

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
208 E REARDON ST	RA-4	14-16-30-026	0.17
204 E REARDON ST	RA-4	14-16-30-028	0.17
120 E REARDON ST	RA-4	14-16-30-030	0.17
116 E REARDON ST	RA-4	14-16-30-032	0.17
110 E REARDON ST	RA-4	14-16-30-034	0.17
501 RODD ST	OS	14-16-50-326	0.17
505 RODD ST	OS	14-16-50-328	0.17
509 RODD ST	OS	14-16-50-330	0.17
513 RODD ST	OS	14-16-50-332	0.17
501 MCDONALD ST	OS	14-16-50-388	0.17
505 MCDONALD ST	OS	14-16-50-390	0.17
509 MCDONALD ST	OS	14-16-50-392	0.17
515 MCDONALD ST	OS	14-16-50-394	0.17
110 E GROVE ST	OS	14-16-50-400	0.17
512 ASHMAN ST	OS	14-16-50-402	0.17
508 ASHMAN ST	OS	14-16-50-404	0.17
502 ASHMAN ST	OS	14-16-50-406	0.17
205 E INDIAN ST & 502			
MCDONALD ST	OS	14-16-50-7902 & 14	0.06
508 MCDONALD ST	OS	14-16-50-828	0.17
510 MCDONALD ST	OS	14-16-50-830	0.17
516 MCDONALD ST	OS	14-16-50-832	0.17
205 E GROVE ST-DUA	OS	14-16-50-900A	5.02
205 E GROVE ST-DUB	OS	14-16-50-900B	
205 E GROVE ST-DUC	OS	14-16-50-900C	
205 E GROVE ST-DUD	OS	14-16-50-900D	
205 E GROVE ST-DUE	OS	14-16-50-900E	
811 RODD ST	RC	14-16-60-038	0.17
813 RODD ST	RC	14-16-60-040	0.17
206 E HINES ST	RC	14-16-60-042	0.16
202 E HINES ST	RC	14-16-60-046	0.17
114 E HINES ST ²	RC	14-16-60-048	0.33
110 E HINES ST ²	RC	14-16-60-052	0.17
111 E HINES ST	RB	14-16-60-054	0.17
113 E HINES ST	RB	14-16-60-056	0.17
119 E HINES ST	RB	14-16-60-058	0.17
203 E HINES ST	RB	14-16-60-060	0.17
207 E HINES ST	RB	14-16-60-062	0.17

		Property ID	Property
Property Address ¹	Zoning	Number	Acreage
1001 RODD ST	RB	14-16-60-064	0.17
206 E CARPENTER ST	RB	14-16-60-070	0.17
204 E CARPENTER ST	RB	14-16-60-072	0.17
120 E CARPENTER ST	RB	14-16-60-074	0.10
116 E CARPENTER ST	RB	14-16-60-076	0.11
108 E CARPENTER ST	RB	14-16-60-078	0.12
106 E CARPENTER ST	RB	14-16-60-080	0.16
111 E CARPENTER ST	RA-4	14-16-60-082	0.11
107 E CARPENTER ST	RA-4	14-16-60-083	0.14
1116 ASHMAN ST	RA-4	14-16-60-350	0.17
1112 ASHMAN ST	RA-4	14-16-60-352	0.17
1108 ASHMAN ST	OS	14-16-60-354	0.16
1100 ASHMAN ST	OS	14-16-60-356	0.17
1014 ASHMAN ST	OS	14-16-60-358	0.17
1010 ASHMAN ST	OS	14-16-60-360	0.17
1006 ASHMAN ST	OS	14-16-60-362	0.33
810 ASHMAN ST ²	RC	14-16-60-372	0.33
802 ASHMAN ST ²	IA	14-16-60-374	1.89
716 ASHMAN ST ²	RC	14-16-60-378	1.86
706 ASHMAN ST ²	RC	14-16-60-382	0.17
702 ASHMAN ST ²	RC	14-16-60-384	0.17

¹ All properties are within the City of Midland, Michigan

² Property verified non-residential and removed from sampling list.

Zoning Codes:

COM = Community	RA-3 = Residential
D= Downtown District	RA-4 - Residential
IA = Indistrial	RB = Residential
OS = Office Space	RC = Regional Commercial
LCMR =	

MULT = Indicates that there is more than one zoning classificaiton for that NC = Neighborhood Commercial