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TABLES

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TABLE 2-1. SOUTHWEST QUAD DISSOLVED PHASE ANALYTICAL RESULTS SUMMARY (NOVEMBER 2008 TO DECEMBER 2009)
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Location ID		Date Sampled	Benzene (mg/L)	Chlorobenzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylenes, Total (mg/L)	Arsenic, Dissolved (mg/L)	Lead, Dissolved (mg/L)
MW-35		11/19/08	0.13	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
	Dup	11/19/08	0.13	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
		2/17/09	0.021	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
		4/3/09	0.021	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
	Dup	4/3/09	0.021	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
		4/28/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	--	--
		5/27/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	--	--
		6/29/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
		7/21/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
		8/11/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
		9/14/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
		10/12/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	Dup	10/12/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
		11/17/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	--	--
		12/11/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	--	--
MW-37		11/18/08	ND(0.5)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
		4/2/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
		10/20/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	0.003 JB	ND(0.0069)
MW-120		11/18/08	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
		4/1/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
		10/7/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-131		11/21/08	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	0.0155 J	0.0225
		2/18/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	0.0144 J	ND(0.0069)
		4/2/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
		7/23/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	0.01 J	ND(0.0069)
		10/20/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0266)	ND(0.0069)

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TABLE 2-1. SOUTHWEST QUAD DISSOLVED PHASE ANALYTICAL RESULTS SUMMARY (NOVEMBER 2008 TO DECEMBER 2009)
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Location ID	Date Sampled	Benzene (mg/L)	Chlorobenzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylenes, Total (mg/L)	Arsenic, Dissolved (mg/L)	Lead, Dissolved (mg/L)
MW-132	11/17/08	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
	2/19/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
	3/30/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
	7/20/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
Dup	7/20/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	10/5/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-133	11/18/08	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
	2/17/09	0.003 J	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
	4/1/09	0.11	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
	4/28/09	0.036	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	--	--
	5/26/09	0.032	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	--	--
	6/29/09	0.11	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	7/21/09	0.051	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	8/11/09	0.031	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	9/14/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	10/8/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	11/17/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	--	--
	12/11/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	--	--
MW-134	11/17/08	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
	2/19/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
	3/30/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
	7/20/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	10/5/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-138	3/31/09	0.005 J	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.01)	ND(0.0069)
	4/28/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	--	--
	5/28/09	0.002 J	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	--	--

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TABLE 2-1. SOUTHWEST QUAD DISSOLVED PHASE ANALYTICAL RESULTS SUMMARY (NOVEMBER 2008 TO DECEMBER 2009)
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Location ID	Date Sampled	Benzene (mg/L)	Chlorobenzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylenes, Total (mg/L)	Arsenic, Dissolved (mg/L)	Lead, Dissolved (mg/L)
MW-138	6/29/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	7/21/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	8/12/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	9/15/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	10/7/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	11/18/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	--	--
	12/14/09	ND(0.0005)	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	--	--
MW-139	3/31/09	0.15	ND(0.0008)	ND(0.0008)	0.005 J	0.005 J	0.0122 J	ND(0.0069)
	4/28/09	0.019	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	--	--
	4/28/09	0.098	ND(0.0008)	ND(0.0008)	0.003 J	0.003 J	--	--
	5/28/09	0.085	ND(0.0008)	ND(0.0008)	0.003 J	0.003 J	--	--
	6/30/09	0.11	ND(0.0008)	0.0009 J	0.005 J	0.004 J	0.0126 J	ND(0.0069)
	7/21/09	0.12	ND(0.0008)	0.001 J	0.006	0.005 J	0.0175 J	ND(0.0069)
	8/12/09	0.12	ND(0.0008)	ND(0.0008)	0.006	0.005 J	0.0164 J	ND(0.0069)
	9/15/09	0.048	ND(0.0008)	ND(0.0008)	0.002J	0.0009J	0.0097J	ND(0.0069)
	10/7/09	0.017	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	0.0131 J	ND(0.0069)
	11/18/09	0.002 J	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	--	--
	12/14/09	0.004 J	ND(0.0008)	ND(0.0008)	ND(0.0007)	ND(0.0008)	--	--
MW-140	3/27/09	0.35	ND(0.002)	0.43	0.041	0.55	ND(0.01)	ND(0.0069)
MW-141	4/1/09	0.51	ND(0.002)	0.06	0.013	0.039	ND(0.01)	ND(0.0069)
Dup	4/1/09	0.52	ND(0.002)	0.062	0.013	0.042	ND(0.01)	ND(0.0069)
	7/23/09	0.4	ND(0.0008)	0.017	0.011	0.016	ND(0.0072)	ND(0.0069)
	10/13/09	0.29	ND(0.0008)	0.045	0.01	0.032	0.0131 J	ND(0.0069)

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TABLE 2-1. SOUTHWEST QUAD DISSOLVED PHASE ANALYTICAL RESULTS SUMMARY (NOVEMBER 2008 TO DECEMBER 2009)
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Location ID	Date Sampled	Benzene (mg/L)	Chlorobenzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylenes, Total (mg/L)	Arsenic, Dissolved (mg/L)	Lead, Dissolved (mg/L)
MW-142	3/31/09	0.13	ND(0.002)	0.39	0.028	0.35	0.0166 J	ND(0.0069)
	5/28/09	0.12	ND(0.0008)	0.53	0.025	0.31	--	--
	6/30/09	0.31	ND(0.0008)	0.023	0.014	0.056	0.0212	ND(0.0069)
	7/23/09	0.27	ND(0.0008)	0.045	0.015	0.061	0.0254	ND(0.0069)
	8/12/09	0.21	ND(0.002)	0.31	0.022	0.21	0.0172 J	ND(0.0069)
	9/15/09	0.15	ND(0.0008)	0.15	0.019	0.13	0.0219 J	ND(0.0069)
	10/13/09	0.11	ND(0.0008)	0.19	0.021	0.17	0.0211	ND(0.0069)
	11/18/09	0.043	ND(0.002)	0.052	0.011 JB	0.058	--	--
	12/14/09	0.035	ND(0.0008)	0.12	0.013	0.13	--	--

NOTES:
Dup - duplicate sample
J - estimated concentration
mg/L - milligram per liter

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TABLE 2-2. PERIMETER, INTERIOR, AND SUPPLEMENTAL WELL GROUNDWATER ANALYTICAL RESULTS SUMMARY
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Location ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylenes, Total (mg/L)	Chlorobenzene (mg/L)	Arsenic, Dissolved (mg/L)	Lead, Dissolved (mg/L)
L-1RR Dup	12/03/09	0.78	1.5	0.16	5.8	ND(0.004)	0.0484	ND(0.0069)
L-1RR	12/03/09	0.8	1.6	0.16	6.4	ND(0.008)	0.0473	0.0083 J
MW-10	12/07/09	0.0006 J	0.005 J	0.0008 J	0.002 J	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-17 Dup	11/12/09	8.2	0.4	0.12	0.3	ND(0.004) J	0.0612	ND(0.0069)
MW-17	11/12/09	8	0.39	0.12	0.3	ND(0.004) J	0.0625	ND(0.0069)
MW-21 Dup	12/08/09	0.17	2.5	0.085	1.6	ND(0.004)	0.0101 J	ND(0.0069)
MW-21	12/08/09	0.17	2.5	0.086	1.6	ND(0.004)	ND(0.0072)	ND(0.0069)
MW-22	10/13/09	0.035	0.75	0.055	0.49	ND(0.0008)	0.0364	ND(0.0069)
MW-26R	11/12/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008) J	ND(0.0072)	ND(0.0069)
MW-33	12/02/09	ND(0.0005)	ND(0.0008)	0.0008 J	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-48S	11/12/09	0.003 J	0.02	0.0008 J	0.17	ND(0.0008) J	0.0257	ND(0.0069)
MW-51	12/02/09	ND(0.0005)	ND(0.0008)	0.001 J	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-64	11/16/09	0.0008 J	ND(0.0008)	0.001 J	ND(0.0008)	ND(0.0008) J	ND(0.0072)	ND(0.0069)
MW-80	11/16/09	0.21	ND(0.0008)	0.006	0.01	ND(0.0008) J	0.0451	ND(0.0069)
MW-85D	12/09/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-93S	11/19/09	0.001 J	0.003 J	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-95S	12/28/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-100S	11/10/09	ND(0.0005)	ND(0.0008)	0.0007J/ND(0.0007)U*	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-104S	11/09/09	ND(0.0005)	ND(0.0008)	0.0009J/ND(0.0009)U*	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-113	12/28/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-115S	10/12/09	0.0008 J	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	0.0109 J	ND(0.0069)
MW-124	11/10/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-129	11/19/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)

Notes:
J – Value is estimated and should be used with consideration or qualitative purposes
JB - Estimated value due to method blank contamination
mg/L - milligram per liter
ND - Not detected
-- Not analyzed

* - The first result represents the laboratory reported concentration. The second result was evaluated to be undetected at the reported concentration by the data validator. The result was determined to be a false positive.

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TABLE 2-3. DISSOLVED PHASE NATURAL ATTENUATION ANALYTICAL RESULTS SUMMARY
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Location ID	Date Sampled	Alkalinity to pH 4.5 (mg/L)	Alkalinity to pH 8.3 (mg/L)	Calcium, Total (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Iron, Ferric (mg/L)
L-1RR	12/03/09	440	ND(0.46)	144	95.1	50.1 J	ND(0.25)
MW-21	12/08/09	504	ND(0.46)	155	86.1	79.6	ND(0.5)
MW-33	12/02/09	380	ND(0.46)	134	ND(12.8)	36	ND(0.1)
MW-35	10/12/09	415	ND(0.46)	113	ND(12.8)	71.8	ND(0.052)
MW-37	10/20/09	458	ND(0.46)	148	ND(12.8)	106	0.081 J
MW-38	12/08/09	392	ND(0.46)	316	92.2 J	2490	ND(0.2)
MW-51	12/02/09	208	ND(0.46)	67.4	ND(12.8)	66.5	ND(0.052)
MW-52	12/09/09	352	ND(0.46)	116	25.7 J	69.4 J	1 J
MW-93S	11/19/09	445	ND(0.46)	204	36.9 J	131	ND(0.25)
MW-100S	11/10/09	336	ND(0.46)	124	16.5 J	95.9	0.2
MW-112	12/09/09	232	ND(0.46)	72.8	21.2 J	69.3 J	ND(0.1)
MW-114	10/19/09	426	ND(0.46)	165	16.5 J	221	0.072 J
MW-115S	10/12/09	487	ND(0.46)	121	ND(12.8)	55.9	ND(0.1)
MW-131	10/20/09	405	ND(0.46)	103	ND(12.8)	37.1	ND(0.2)
MW-133	10/08/09	401	ND(0.46)	90.7	13.7 J	51.8	ND(0.052)

Notes:
J – Value is estimated and should be used with consideration or qualitative purposes
R - Value rejected. Sample was analyzed outside of the acceptable holding time
mg/L - milligram per liter
ND - Not detected
-- Not analyzed

The method detection limit (MDL) was used as the reporting limit.

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TABLE 2-3. DISSOLVED PHASE NATURAL ATTENUATION ANALYTICAL RESULTS SUMMARY
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Location ID	Date Sampled	Iron, Ferrous (mg/L)	Nitrogen, Ammonia (mg/L)	Methane (mg/L)	Manganese, Total (mg/L)	Manganese, Dissolved (mg/L)	Iron, Total (mg/L)
L-1RR	12/03/09	12.8 J	ND(0.2)	15	0.19	0.19	12.7
MW-21	12/08/09	19.2 J	ND(0.2)	15	0.0698	0.0677	18.7
MW-33	12/02/09	4 J	ND(0.2)	0.038	0.868	0.864	3.95
MW-35	10/12/09	0.02 J	ND(0.2) J	0.052	0.981	0.991	ND(0.0522)
MW-37	10/20/09	ND(0.01) J	ND(0.2)	0.2	0.008	0.0033 J	0.0807 J
MW-38	12/08/09	6.4 J	1.5	12	0.441	0.44	6.19
MW-51	12/02/09	0.016 J	ND(0.2)	ND(0.005)	0.282	0.283	ND(0.0522)
MW-52	12/09/09	7.4 J	0.89	1.6	1.09	1.09	8.41
MW-93S	11/19/09	11.6 J	ND(0.2)	1.2	1.05	1.04	11.3
MW-100S	11/10/09	0.027 J	ND(0.2)	ND(0.005)	0.0681	0.0468	0.231
MW-112	12/09/09	4.4 J	ND(0.2)	0.2	0.173	0.178	4.31
MW-114	10/19/09	ND(0.01) J	ND(0.2)	ND(0.005)	0.0044 J	0.0022 J	0.0722 J
MW-115S	10/12/09	5.1 J	ND(0.2) J	5.6	1.78	1.78	5.14
MW-131	10/20/09	4.3 J	ND(0.2)	0.55	1.32	1.35	4.31
MW-133	10/08/09	ND(0.01) R	ND(0.2)	0.0071 J	0.08	0.0815	ND(0.0522)

Notes:
J – Value is estimated and should be used with consideration or qualitative purposes
R - Value rejected. Sample was analyzed outside of the acceptable holding time
mg/L - milligram per liter
ND - Not detected
-- Not analyzed

The method detection limit (MDL) was used as the reporting limit.

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TABLE 2-3. DISSOLVED PHASE NATURAL ATTENUATION ANALYTICAL RESULTS SUMMARY
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Location ID	Date Sampled	Nitrogen, Nitrate (mg/L)	Nitrogen, Nitrite (mg/L)	Potassium, Total (mg/L)	Sodium, Total (mg/L)	Sulfate (mg/L)	Total Organic Carbon (mg/L)
L-1RR	12/03/09	ND(0.04)	ND(0.015)	2.31	29.5	ND(1.5)	7.9 J
MW-21	12/08/09	ND(0.04)	0.028 J	2.37	29.8	23.7 J	7.5
MW-33	12/02/09	ND(0.04)	ND(0.015)	2.41	20.8	34.3	1.6
MW-35	10/12/09	ND(0.04)	ND(0.015)	5.56	38.4	28.7	1.9
MW-37	10/20/09	1.2 J	ND(0.015)	3.53	54.9	48.1	1.7
MW-38	12/08/09	ND(0.04)	ND(0.015)	24.2	948	1.5 J	2.2
MW-51	12/02/09	0.29	ND(0.015)	5.02	43.2	48.6	3.3
MW-52	12/09/09	ND(0.04)	ND(0.015)	4.11	40.9	1.7 J	3.5
MW-93S	11/19/09	ND(0.04)	ND(0.015)	4.09	53.9	144	4.8
MW-100S	11/10/09	5 J	ND(0.015)	4.63	53.4	82.9 J	1.1
MW-112	12/09/09	ND(0.04)	ND(0.015)	3.16	43.2	41.3	2.1
MW-114	10/19/09	7.6 J	ND(0.015)	4.16	99.6	98.3	1.6
MW-115S	10/12/09	ND(0.04)	ND(0.015)	2.32	48	4 J	2.2
MW-131	10/20/09	ND(0.04) J	ND(0.015)	2.06	26.1	8.1	2.2
MW-133	10/08/09	0.22	ND(0.015)	26.9	38.6	31.7	1.7

Notes:
J – Value is estimated and should be used with consideration or qualitative purposes
R - Value rejected. Sample was analyzed outside of the acceptable holding time
mg/L - milligram per liter
ND - Not detected
-- Not analyzed

The method detection limit (MDL) was used as the reporting limit.

TABLE 2-4. LYSIMETER ANALYTICAL RESULTS SUMMARY
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Lysimeter	Dissolved Oxygen[1] (mg/L)	ORP[1]	Nitrate (mg/L)	Sulfate (mg/L)	Iron, Total (mg/L)	Iron, Dissolved (mg/L)	Manganese, Total (mg/L)	Manganese, Dissolved (mg/L)	Methane (mg/L)
L-21S	5.0	189	ND(0.25)	ND(1.5)	0.41	ND(0.0522)	0.155	0.157	0.34
L-18S	2.8	148	ND(0.25)	ND(1.5)	1.36	ND(0.0522)	0.257	0.26	1.4
L-20S	4.0	164	10.7	169	1.0	ND(0.0522)	0.0978	0.0089	ND(0.01)
L-93S	6.0	84	1.3	155	ND(0.0522)	ND(0.0522)	0.0034 J	0.0035 J	ND(0.01)

NOTES:
[1] Dissolved Oxygen and ORP measured using field instrumentation
J - estimated concentration
mg/L - milligrams per liter
ND(0.25) - non-detect concentrations established at the detection limit
ORP - Oxidation-Reduction Potential

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TABLE 2-5A. BARRIER WALL PERFORMANCE MONITORING CONSTITUENTS OF CONCERN ANALYTICAL RESULTS SUMMARY
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Location ID	Date Sampled	Benzene (mg/L)	Ethyl- benzene (mg/L)	Toluene (mg/L)	Xylenes, Total (mg/L)	Chlorobenzene (mg/L)	Arsenic, Dissolved (mg/L)	Lead, Dissolved (mg/L)
MW-135D	9/17/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	12/08/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-135I	9/17/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	12/08/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-135S	9/17/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	12/08/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
BMW-1D	9/18/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	12/08/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
BMW-1I	9/18/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	12/08/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
BMW-1S	9/17/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	12/08/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
BSW-1D	9/29/09	ND(0.0005)	0.001 J	ND(0.0007)	0.006	ND(0.0008)	ND(0.0072)	ND(0.0069)
	12/22/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
BSW-1S	9/29/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
BSW-1S Dup	12/22/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
BSW-1S	12/22/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-136D	9/21/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	12/08/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-136I	9/21/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	12/15/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-136S Dup	12/15/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	0.0238	ND(0.0069)
MW-136S	12/15/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	0.0215	ND(0.0069)
BMW-2D	9/21/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	12/15/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
BMW-2I	9/21/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	12/16/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
BMW-2S	9/21/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	12/16/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
BSW-2D	9/29/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	0.002 J	ND(0.0008)	ND(0.0072)	ND(0.0069)
	12/22/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
BSW-2S	9/29/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	0.003 J	ND(0.0008)	ND(0.0072)	ND(0.0069)
BSW-2S Dup	12/22/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
BSW-2S	12/22/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-137D	9/22/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-137D Dup	9/22/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-137D	12/22/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-137I	9/22/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)

Notes:
J – Value is estimated and should be used with consideration or qualitative purposes
JB - Estimated value due to Method Blank contamination
mg/L - milligram per liter
ND - Not detected
-- Not analyzed

* - The first result represents the laboratory reported concentration. The second result was evaluated to be undetected at the reported concentration by the data validator. The result was determined to be a false positive.

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TABLE 2-5A. BARRIER WALL PERFORMANCE MONITORING CONSTITUENTS OF CONCERN ANALYTICAL RESULTS SUMMARY
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Location ID	Date Sampled	Benzene (mg/L)	Ethyl- benzene (mg/L)	Toluene (mg/L)	Xylenes, Total (mg/L)	Chlorobenzene (mg/L)	Arsenic, Dissolved (mg/L)	Lead, Dissolved (mg/L)
MW-137I Dup	9/22/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-137I	12/21/09	ND(0.0005)	ND(0.0008)	0.0007 J	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
MW-137S	12/17/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	0.0096 J	ND(0.0069)
BMW-3D	9/22/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	12/17/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
BMW-3I	9/22/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	12/17/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
BMW-3S	9/22/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
	12/17/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	ND(0.0008)	ND(0.0008)	ND(0.0072)	ND(0.0069)
BSW-3D	9/29/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	0.002 J	ND(0.0008)	ND(0.0072)	ND(0.0069)
	12/21/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	0.001J/ND(0.001)U*	ND(0.0008)	ND(0.0072)	ND(0.0069)
BSW-3S	9/29/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	0.002 J	ND(0.0008)	ND(0.0072)	ND(0.0069)
	12/21/09	ND(0.0005)	ND(0.0008)	ND(0.0007)	0.003J/ND(0.003)U*	ND(0.0008)	ND(0.0072)	ND(0.0069)

Notes:
J – Value is estimated and should be used with consideration or qualitative purposes
JB - Estimated value due to Method Blank contamination
mg/L - milligram per liter
ND - Not detected
-- Not analyzed

* - The first result represents the laboratory reported concentration. The second result was evaluated to be undetected at the reported concentration by the data validator. The result was determined to be a false positive.

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TABLE 2-5B. BARRIER WALL PERFORMANCE MONITORING NATURAL ATTENUATION ANALYTICAL RESULTS SUMMARY
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Location ID	Date Sampled	Alkalinity to pH 4.5 (mg/L)	Alkalinity to pH 8.3 (mg/L)	Calcium, Total (mg/L)	CO2 by Headspace (mg/L)	Chloride (mg/L)	Iron, Ferric (mg/L)
MW-136D	12/08/09	241	ND(2)	69.6	8.7 J	77.6	ND(0.2)
MW-136I	12/15/09	239	ND(2)	75.6	7.9 J	82.8	ND(0.2)
MW-136S	12/15/09	537	ND(2)	130	120	49.8	ND(5)
BMW-2D	12/15/09	234	ND(2)	73.6	8.9 J	79.7	0.22
BMW-2I	12/16/09	199	ND(2)	60.4	5.9 J	49.5	ND(0.2)
BMW-2S	12/16/09	208	ND(2)	61.5	5.3 J	50.4	ND(0.2)
BSW-2D	12/22/09	208	ND(2)	61.8	4.5 J	43	ND(0.2)
MW-137D	12/22/09	224	ND(2)	79.7	11 J	69.1	ND(0.2)
MW-137I	12/21/09	215	ND(2)	76.8	11 J	59.8	ND(0.2)
MW-137S	12/17/09	252	ND(2)	81.6	24	75.1	ND(1)
BMW-3D	12/17/09	215	ND(2)	68.8	7.5 J	69.2	ND(0.2)
BMW-3I	12/17/09	216	ND(2)	65.7	7.2 J	59.6	0.084 J
BMW-3S	12/17/09	205	ND(2)	64.8	7.4 J	56.1	0.6
BSW-3D	12/21/09	217	ND(2)	70.2	7.2 J	54.4	ND(0.2)

Notes:
J – Value is estimated and should be used with consideration or qualitative purposes
R - Value rejected. Sample was analyzed outside of the acceptable holding time
mg/L - milligram per liter
ND - Not detected
-- Not analyzed

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TABLE 2-5B. BARRIER WALL PERFORMANCE MONITORING NATURAL ATTENUATION ANALYTICAL RESULTS SUMMARY
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Location ID	Date Sampled	Iron, Ferrous (mg/L)	Nitrogen, Ammonia (mg/L)	Methane (mg/L)	Magnesium, Total (mg/L)	Manganese, Total (mg/L)	Manganese, Dissolved (mg/L)
MW-136D	12/08/09	0.012 J	ND(0.6)	ND(0.015)	29	0.429	0.427
MW-136I	12/15/09	0.024 J	ND(0.6)	ND(0.015)	31.2	0.442	0.427
MW-136S	12/15/09	24.7 J	7	9.9	55.8	3.86	3.63
BMW-2D	12/15/09	0.019 J	ND(0.6)	ND(0.015)	30.2	0.0418	0.035
BMW-2I	12/16/09	0.033 J	ND(0.6)	ND(0.015)	23.5	0.0628	0.0592
BMW-2S	12/16/09	0.032 J	ND(0.6)	ND(0.015)	24.1	0.0093	0.0076
BSW-2D	12/22/09	0.041 J	ND(0.6)	ND(0.015)	23.8	0.0211	0.02
MW-137D	12/22/09	0.014 J	ND(0.6)	ND(0.015)	21.6	0.457	0.445
MW-137I	12/21/09	0.038 J	ND(0.6)	ND(0.015)	21.5	0.596	0.604
MW-137S	12/17/09	1.7 J	ND(0.6)	0.044 J	24.4	0.695	0.661
BMW-3D	12/17/09	0.048 J	ND(0.6)	0.026 J	23.1	0.553	0.555
BMW-3I	12/17/09	0.11 J	ND(0.6)	0.12 J	23.9	0.719	0.71
BMW-3S	12/17/09	0.28 J	ND(0.6)	0.086 J	22.8	0.556	0.54
BSW-3D	12/21/09	0.27 J	0.21 J	0.021	25.9	0.49	0.492

Notes:
J – Value is estimated and should be used with consideration or qualitative purposes
R - Value rejected. Sample was analyzed outside of the acceptable holding time
mg/L - milligram per liter
ND - Not detected
-- Not analyzed

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TABLE 2-5B. BARRIER WALL PERFORMANCE MONITORING NATURAL ATTENUATION ANALYTICAL RESULTS SUMMARY
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Location ID	Date Sampled	Iron, Total (mg/L)	Nitrogen, Kjeldahl (mg/L)	Nitrogen, Nitrate (mg/L)	Nitrogen, Nitrite (mg/L)	Potassium, Total (mg/L)	Sodium, Total (mg/L)
MW-136D	12/08/09	0.0545 J	ND(1)	1.5	ND(0.05)	4.22	43.1
MW-136I	12/15/09	ND(0.2)	ND(1)	2.1	ND(0.05)	4.04	50.3
MW-136S	12/15/09	24.6	7	ND(0.1)	ND(0.05)	7.18	29.2
BMW-2D	12/15/09	0.242	ND(1)	1.9	ND(0.05)	3.81	46.6
BMW-2I	12/16/09	ND(0.2)	ND(1)	2.2 J	ND(0.05)	3.32	29.4
BMW-2S	12/16/09	ND(0.2)	ND(1)	2.8 J	ND(0.05)	3.38	30.2
BSW-2D	12/22/09	0.0734 J	ND(1)	1.3	ND(0.05)	3.2	26.1
MW-137D	12/22/09	0.0649 J	ND(1)	1.3	0.024 J	3.87	36.8
MW-137I	12/21/09	0.0602 J	ND(1)	0.84	ND(0.05)	3.67	38.4
MW-137S	12/17/09	1.72	ND(1)	ND(0.1)	ND(0.05)	3.27	45
BMW-3D	12/17/09	0.0652 J	ND(1)	0.31	ND(0.05)	3.44	40
BMW-3I	12/17/09	0.198 J	ND(1)	0.14	ND(0.05)	3.19	36.3
BMW-3S	12/17/09	0.877	ND(1)	0.99	0.043 J	3.53	28.7
BSW-3D	12/21/09	0.251	ND(1)	2.7	ND(0.05)	4.36	24.2

Notes:
J – Value is estimated and should be used with consideration or qualitative purposes
R - Value rejected. Sample was analyzed outside of the acceptable holding time
mg/L - milligram per liter
ND - Not detected
-- Not analyzed

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TABLE 2-5B. BARRIER WALL PERFORMANCE MONITORING NATURAL ATTENUATION ANALYTICAL RESULTS SUMMARY
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Location ID	Date Sampled	Sulfate (mg/L)	Total Sulfide (mg/L)	Total Inorganic Carbon (mg/L)	Total Organic Carbon (mg/L)
MW-136D	12/08/09	57.7	ND(0.16)	68.2	1.8
MW-136I	12/15/09	60.4	ND(0.16)	61.1	3.9
MW-136S	12/15/09	36.7	ND(0.16)	171	5.9
BMW-2D	12/15/09	59.6	ND(0.16)	65.2	2.2
BMW-2I	12/16/09	45.1	ND(0.16)	59	2.4
BMW-2S	12/16/09	43.4	ND(0.16)	56.5	2.7
BSW-2D	12/22/09	41.4	ND(0.16)	56	2.2
MW-137D	12/22/09	51.6	ND(0.16)	62.9	1.7
MW-137I	12/21/09	47.1	ND(0.16)	65.2	1.5
MW-137S	12/17/09	58.6	ND(0.16)	74.6	2.8
BMW-3D	12/17/09	124	ND(0.16)	64.3	2.3
BMW-3I	12/17/09	50.3	ND(0.16)	59	2.3
BMW-3S	12/17/09	49.1	ND(0.16)	61.1	2.1
BSW-3D	12/21/09	51.5	ND(0.16)	60.3	2.5

Notes:
J – Value is estimated and should be used with consideration or qualitative purposes
R - Value rejected. Sample was analyzed outside of the acceptable holding time
mg/L - milligram per liter
ND - Not detected
-- Not analyzed

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TABLE 2-6. SUMMARY OF SOIL VAPOR SAMPLES COLLECTED FROM NESTED VAPOR MONITORING WELLS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Depth	Sep-05	Oct-05	Nov-05	Jun/Jul-06	Nov/Dec-06	Jun/Jul-07	Apr/May-08	Sep-08	Dec-08	Mar-09	Jul-09	Sept/Oct-09
VW-93	5	X				X	X	X	X	X			X
	10	X				X	X	X	X	X			X
	15	X				X	X	X	X	X			X
	20	X				X	X	X	X	X			X
	25	X				X	X	X	X	X			X
	30	X	X			X	X	X	X	X			X
	35	X	X			X	X	X	X	X			X
	40	X	X			X	X	X	X	X			X
	45	X	X			X	X	X	X	X			X
	50	X	X			X	X	X	X	X			X
	55	X				X	X	X	X	X			X
	60	X	X			X	X	submerged	X	submerged			X
VW-96	5	X		X	X	X		X	X	X	X		X
	10	X		X	X	X	X	X	X	X	X		X
	15	X				tubing severed[1]	tubing severed[1]	tubing severed[1]	X	X	X		X
	20	X	X		X	X	X	X	X	X	X		X
	25	X	X			X	X	X	X	X	X		X
	30	X	X		X	X	X	X	X	X	X		X
	35	X	X			X	X	X	X	X	X		X
	40	X	X		X	X	X	X	X	X	X		X
	45	X				X	X	X	X	X	X		X
	50	X	X		X	X	X	X	X	X	X		X
	55	X			X	X	X	X	X	X	X		X
	60	X	X		submerged	submerged	submerged	submerged	X	X	X		X
VW-99	5A							X	X	X			X
	10A								X				
	10	X			X	X	X	X	X	X			X
	15	X				X	X	X	X	X			X
	20	X	X		X	X	X	X	X	X			X
	25	X	X			X	X	X	X	X			X
	30	X	X		X	X	X	X	X	X			X
	35	X	X			X	X	X	X	X			X
	40	X	X		X	X	X	X	X	X			X
	45	X				X	X	X	X	X			X
	50	X	X		X	X	X	X	X	X			X
	55	X				X	X	X	X	X			X
	60	X	X		X	submerged	submerged	submerged	submerged	X			X

TABLE 2-6. SUMMARY OF SOIL VAPOR SAMPLES COLLECTED FROM NESTED VAPOR MONITORING WELLS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Depth	Sep-05	Oct-05	Nov-05	Jun/Jul-06	Nov/Dec-06	Jun/Jul-07	Apr/May-08	Sep-08	Dec-08	Mar-09	Jul-09	Sept/Oct-09
VW-127	5	X				X		X	X	X			X
	10	X				X		X	X	X			X
	15	X				X		X	X	X			X
	20	X	X			X		X	X	X			X
	30	X	X			X		X	X	X			X
	40	X	X			X		X	X	X			X
	50	X	X			X		X	X	X			X
VW-128	5	X			X	X	X	X	X	X			X
	10	X			X	X	X	X	X	X			X
	15	X			X	X	X	X	X	X			X
	20	X	X		X	X	X	X	X	X			X
	30	X	X		X	X	X	X	X	X			X
	40	X	X		X	X	X	X	X	X			X
	50	X	X		X	X	X	X	X	X			X
VW-129	5				X		X	X	X	X			X
	10				X		X	X	X	X			X
	15				X		X	X	X	X			X
	20				X		X	X	X	X			X
	30				X		X	X	X	X			X
	40				X		X	X	X	X			X
	50				X		X	X	X	X			X
VW-130	5							X	X	X			X
	10							X	X	X			X
	15							X	X	X			X
	20							X	X	X			X
	30							X	X	X			X
	40							X	X	X			X
	50							low permeability	low permeability	low permeability			low permeability
VW-139	5											X	X
	10											X	X
	15											X	X
	20											X	X
	30											X	X
	40											submerged	X

X - soil vapor sample collected from monitoring interval

[1] - The tubing connecting the probe installed at 15 ft-bgs in nested well VW-96 to the ground surface was severed at depth and subsequently repaired.

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TABLE 2-7. NESTED WELL FIELD SCREENING RESULTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location and Depth (ft-bgs)	Date	Static Pressure/ Vacuum (in-H_2O)	Estimated Soil Gas Permeability (cm^2)	Probe Specific Capacity (cm^3/s·in H_2O)	Total Organic Vapors (ppm)	Oxygen Concentration (%)	Carbon Dioxide Concentration (%)	Methane Concentration (%)
VW-93(5)	10/1/2009	0.00	3.74E-07	-49.00	0.8	18.2	1.9	0.0
VW-93(10)	9/30/2009	-0.52	2.12E-07	-27.76	0.5	17.8	2.5	0.0
VW-93(15)	9/30/2009	-0.10	1.82E-07	-23.79	0.8	16.7	3.2	0.0
VW-93(20)	9/30/2009	-0.02	1.51E-07	-19.82	0.6	16.2	3.2	0.0
VW-93(25)	9/30/2009	0.03	2.19E-07	-28.71	1.0	16.5	3.2	0.0
VW-93(30)	9/30/2009	0.25	2.54E-07	-33.29	0.8	14.2	3.7	0.0
VW-93(35)	9/30/2009	-1.73	9.34E-08	-12.23	0.6	12.5	4.1	0.0
VW-93(40)	9/30/2009	-0.04	7.93E-08	-10.40	1.0	9.8	4.9	0.0
VW-93(45)	9/30/2009	0.05	1.65E-07	-21.60	1.1	6.4	6.3	0.0
VW-93(50)	9/30/2009	0.02	1.35E-07	-17.71	0.8	16.6	3.0	0.0
VW-93(55)	9/30/2009	0.00	1.41E-07	-18.48	0.9	3.4	7.5	0.0
VW-93(60)	9/30/2009	-0.29	8.93E-05	-8.57	1.1	2.3	7.6	0.0
VW-96A(5)	3/5/2009	0.03	3.18E-07	-41.65	2.5	17.6	1.1	0.0
	10/2/2009	0.01	3.35E-07	-43.84	148.0	1.0	10.6	9.1
VW-96(10)	3/5/2009	-0.28	1.59E-07	-21.00	92.2	6.8	5.5	0.7
	10/1/2009	-0.38	7.93E-08	-10.40	120.0	0.2	10.8	19.4
VW-96(15)	3/5/2009	0.20	3.31E-08	-4.30	7.8	2.0	8.7	0.0
	10/1/2009	-0.34	2.39E-08	-3.14	79.7	0.4	10.1	10.6
VW-96(20)	3/5/2009	0.03	6.54E-08	-8.60	9.7	0.0	10.3	0.0
	10/1/2009	-0.79	4.80E-08	-6.29	76.9	0.1	10.0	13.1
VW-96(25)	3/4/2009	-0.11	3.13E-08	-4.11	42.9	0.0	9.4	11.0
	10/1/2009	-0.44	2.41E-08	-3.16	65.1	0.2	8.8	30.9
VW-96(30)	3/4/2009	0.22	1.01E-07	-13.20	55.8	0.0	9.9	13.0
	10/1/2009	0.02	2.19E-07	-28.69	89.0	23.0	8.5	42.8
VW-96(35)	3/4/2009	0.06	9.34E-08	-12.00	73.9	0.0	10.0	18.3
	10/1/2009	-0.02	1.01E-07	-13.21	4.5	0.0	10.0	62.0

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TABLE 2-7. NESTED WELL FIELD SCREENING RESULTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location and Depth (ft-bgs)	Date	Static Pressure/ Vacuum (in-H_2O)	Estimated Soil Gas Permeability (cm^2)	Probe Specific Capacity (cm^3/s·in H_2O)	Total Organic Vapors (ppm)	Oxygen Concentration (%)	Carbon Dioxide Concentration (%)	Methane Concentration (%)
VW-96(40)	3/5/2009	-0.05	7.74E-08	-10.10	83.4	0.0	9.9	23.6
	10/1/2009	0.24	8.58E-08	-11.24	115.0	0.3	10.3	75.4
VW-96(45)	3/4/2009	0.01	7.84E-08	-10.30	95.4	0.0	10.5	33.8
	10/2/2009	0.13	8.14E-08	-10.66	146.0	0.5	0.4	99.3
VW-96(50)	3/4/2009	0.05	7.05E-08	-9.20	109.0	0.0	10.1	64.3
	10/2/2009	0.12	7.13E-08	-9.34	150.0	1.0	0.0	99.0
VW-96(55)	3/4/2009	0.13	1.41E-07	-18.50	124	3.4	6.6	45.8
	10/2/2009	0.35	7.13E-08	-9.34	161	0.3	0.0	99.0
VW-96(60)	10/1/2009	0.12	6.16E-08	-8.07	236	0.5	11.9	>100
VW-99A(5)	10/2/2009	-0.91	3.74E-07	-49.00	10.3	4.5	5.2	1.3
VW-99(10)	10/2/2009	0.00	3.35E-07	-43.82	47.6	4.3	6.7	2.4
VW-99(15)	10/2/2009	0.00	3.10E-07	-40.61	7.4	2.2	9.2	15.9
VW-99(20)	10/2/2009	0.00	1.35E-07	-17.71	322.0	0.0	12.5	49.3
VW-99(25)	10/2/2009	0.00	1.18E-07	-15.41	227.0	0.0	12.1	23.2
VW-99(30)	10/2/2009	0.00	1.10E-07	-14.35	202.0	0.8	11.5	39.5
VW-99(35)	10/2/2009	0.01	9.77E-08	-12.80	0.1	0.3	11.2	44.7
VW-99(40)	10/2/2009	0.02	9.20E-08	-12.06	227	2.6	9.6	51.2
VW-99(45)	10/2/2009	0.02	8.24E-08	-10.80	251	0.0	11.3	71.6
VW-99(50)	10/2/2009	0.02	7.38E-08	-9.67	284	0.0	11.8	94.1
VW-99(55)	10/2/2009	0.03	6.68E-08	-8.75	302	0.0	12.1	>100
VW-99(60)	10/2/2009	0.00	1.99E-07	-26.02	498	3.0	9.0	11.7
VW-127(5)	10/1/2009	-0.67	1.69E-08	-3.89	0.0	14.3	4.5	0.0
VW-127(10)	10/1/2009	-0.76	4.30E-08	-9.90	0.2	6.8	7.0	0.0
VW-127(15)	10/1/2009	-0.76	1.21E-07	-27.76	0.0	15.0	2.3	0.0
VW-127(20)	10/1/2009	-0.30	8.03E-08	-18.50	0.0	11.7	4.9	0.0

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TABLE 2-7. NESTED WELL FIELD SCREENING RESULTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location and Depth (ft-bgs)	Date	Static Pressure/ Vacuum (in-H_2O)	Estimated Soil Gas Permeability (cm^2)	Probe Specific Capacity (cm^3/s·in H_2O)	Total Organic Vapors (ppm)	Oxygen Concentration (%)	Carbon Dioxide Concentration (%)	Methane Concentration (%)
VW-127(30)	10/1/2009	-0.15	5.47E-09	-1.28	0.0	6.1	5.9	0.0
VW-127(40)	10/1/2009	0.05	6.82E-09	-1.58	4.9	5.5	6.0	0.0
VW-127(50)	10/1/2009	0.08	6.34E-08	-14.60	0.0	4.5	7.5	0.0
VW-128(5)	10/1/2009	-0.15	3.31E-08	-7.62	0.0	20.0	0.7	0.0
VW-128(10)	10/1/2009	-0.16	7.09E-09	-1.64	0.0	17.0	2.9	0.0
VW-128(15)	10/1/2009	0.00	6.91E-09	-1.60	0.0	19.7	1.3	0.0
VW-128(20)	9/30/2009	0.01	1.47E-08	-3.39	0.3	17.7	1.5	0.0
VW-128(30)	9/30/2009	-0.24	4.81E-08	-11.09	0.2	16.9	2.9	0.0
VW-128(40)	9/29/2009	-0.01	6.02E-08	-13.87	0.0	16.8	2.9	0.0
VW-128(50)	9/29/2009	-0.28	3.40E-08	-7.84	0.0	14.5	2.9	0.0
VW-129(5)	9/29/2009	-0.01	2.01E-07	-46.28	0.0	15.3	3.1	0.0
VW-129(10)	9/29/2009	0.00	1.45E-07	-33.31	0.0	15.6	3.2	0.0
VW-129(15)	9/29/2009	-0.09	1.03E-07	-23.79	0.0	15.9	3.1	0.0
VW-129(20)	9/29/2009	-0.01	9.27E-08	-21.35	0.0	16.0	3.0	0.0
VW-129(30)	9/29/2009	0.14	6.82E-08	-15.70	0.0	16.3	3.1	0.0
VW-129(40)	9/29/2009	-0.12	5.39E-08	-12.42	0.0	16.2	3.0	0.0
VW-129(50)	9/29/2009	-0.13	4.30E-08	-9.90	0.0	16.0	3.2	0.0
VW-130(5)	9/29/2009	-0.10	6.57E-08	-15.13	0.0	18.0	2.0	0.0
VW-130(10)	9/29/2009	-0.12	7.53E-08	-17.34	0.0	16.5	3.0	0.0
VW-130(15)	9/29/2009	-0.12	9.77E-08	-22.50	0.0	14.4	4.8	0.0
VW-130(20)	9/29/2009	-0.17	5.08E-08	-11.72	0.0	16.1	2.5	0.0
VW-130(30)	9/29/2009	-0.15	1.18E-08	-2.72	0.0	16.1	2.1	0.0
VW-130(40)	9/29/2009	-0.32	2.86E-08	-6.59	0.0	16.6	1.8	0.0
VW-139(5)	7/1/2009	0.01	1.51E-07	-34.70	2.7	15.5	7.1	0.1
	9/30/2009	-12.76	3.09E-08	-7.14	0.1	17.9	2.9	0.0
VW-139(10)	7/1/2009	0.010	8.81E-08	-20.30	1.6	16.7	4.5	0.0
	9/30/2009	-0.01	7.23E-08	-16.65	0.2	16.9	2.6	0.0

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TABLE 2-7. NESTED WELL FIELD SCREENING RESULTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location and Depth (ft-bgs)	Date	Static Pressure/ Vacuum (in-H_2O)	Estimated Soil Gas Permeability (cm^2)	Probe Specific Capacity (cm^3/s·in H_2O)	Total Organic Vapors (ppm)	Oxygen Concentration (%)	Carbon Dioxide Concentration (%)	Methane Concentration (%)
VW-139(15)	7/1/2009	0.020	1.03E-07	-23.79	1.4	12.3	4.8	0.0
	9/30/2009	0.02	8.60E-08	-19.82	0.2	14.9	3.5	0.1
VW-139(20)	7/1/2009	0.000	8.60E-08	-19.82	1.2	11.9	5.1	0.0
	9/30/2009	0.02	7.69E-08	-17.71	0.0	14.9	4.2	0.4
VW-139(30)	7/1/2009	0.010	5.47E-08	-12.61	1.7	10.6	5.8	0.0
	9/30/2009	0.02	5.08E-08	-11.72	0.0	11.7	4.6	0.8
VW-139(40)	9/30/2009	-0.44	4.06E-08	-9.36	0.0	3.4	4.7	95.0

NOTES:
cm^2 - square centimeters
cm^2/s - square centimeters per second
cm^3/s·in H2O - cubic centimeters per second per inch of water
ft-bgs - feet below ground surface
in-H_2O - inches of water
ppm - parts per million

TABLE 2-8a. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	TO Method	TO Dilution Factor	n-Butyl-benzene mg/m^3	sec-Butyl-benzene mg/m^3	Isopropyl-benzene mg/m^3	n-Propyl-benzene mg/m^3	1,2-Dichloro-ethane mg/m^3	1,2-Dibromo-ethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethyl-benzene mg/m^3	Total Xylenes mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclo-hexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	2,2,4-Trimethyl-pentane mg/m^3	1,3,5-Trimethyl-benzene mg/m^3	1,2,4-Trimethyl-benzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyl-toluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3	TVPH as gasoline mg/m^3
VW-93A	Mar 2005	5	TO-15	2.33			ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)				ND (0.060)
	Sep 2005	5	TO-15	2.82			ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.011)	ND(0.0051)	ND(0.03)	ND(0.0045)	ND(0.0053)	ND(0.0061)		ND(0.0061)	ND(0.0061)	ND(0.0048)	ND(0.005)	ND(0.0058)	ND(0.006)	ND(0.0066)	ND(0.0069)	ND(0.0069)	ND(0.0031)	ND(0.0069)				ND (0.073)
	Nov/Dec 2006	5	TO-15	2.13			ND(0.0052) R	ND(0.0052) R				ND(0.022) R	ND(0.0034) R	ND(0.004) R	ND(0.0046) R		ND(0.0046) R	ND(0.0046) R		0.0077 R			ND(0.005) R	ND(0.0052) R	ND(0.0052) R						
	Jun/Jul 2007	5	TO-15	2.64			ND(0.0065)	ND(0.0065)				ND(0.028)	ND(0.0042)	ND(0.005)	ND(0.0057)		ND(0.0057)	ND(0.0057)		ND(0.0046)			ND(0.0062)	ND(0.0065)	ND(0.0065)						ND (0.046)
	Apr 2008	5	TO-15	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025) J	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005) J	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)				ND (0.0881)
	Sep 2008	5	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)	ND(0.011)	ND(0.014)	ND(0.019)	ND(0.1077)
	5 Dup	5	TO-15	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0058)	0.0088	ND(0.0026)	ND(0.0058)	ND(0.011)	ND(0.014)	ND(0.019)	0.1152
	Dec 2008	5	TO-15	2.02	ND(0.022)	ND(0.022)	ND(0.005)	ND(0.005)	ND(0.0041)	ND(0.0078)	ND(0.0036)	ND(0.021)	ND(0.0032)	0.036	0.0068		0.031	0.013	ND(0.0035)	ND(0.0036)	ND(0.0041)	ND(0.0043)	ND(0.0047)	ND(0.005)	0.029	ND(0.0022)	0.014	ND(0.0096)	ND(0.012)	ND(0.016)	0.20915
	Sep/Oct 2009	5	TO-15	2.16	ND(0.024)	ND(0.024)	ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)	ND(0.01)	ND(0.013)	ND(0.017)	ND (0.0998)
VW-93	Aug 1997	10	TO-3										ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)															ND(30)
		15	TO-3										ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)															ND(30)
		20	TO-3										ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)															ND(30)
		25	TO-3										ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)															ND(30)
		30	TO-3										ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)															ND(30)
		35	TO-3										ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)															ND(30)
		40	TO-3										ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)															ND(30)
		45	TO-3										20	15	6.4	12															14000
		50	TO-3										ND(0.20)	30	11	17															28000
		55	TO-3										59	34	13	23															43000
		60	TO-3										104	35	23	41															67000
		60	TO-14										30	ND(10)	ND(10)	3 U															
	Dec 1997	10	TO-3										ND(0.035)	ND(0.035)	ND(0.047)	ND(0.047)															3
		15	TO-3										ND(0.035)	ND(0.035)	ND(0.047)	ND(0.047)															3.5
		20	TO-3										ND(0.035)	ND(0.035)	ND(0.047)	ND(0.047)															ND(2.4)
		25	TO-3										ND(0.035)	ND(0.035)	ND(0.047)	ND(0.047)															3.4
		30	TO-3										ND(0.035)	ND(0.035)	ND(0.047)	ND(0.047)															ND(2.4)
		35	TO-3										ND(0.035)	ND(0.035)	ND(0.047)	ND(0.047)															ND(2.4)
		40	TO-3										ND(0.035)	ND(0.035)	ND(0.047)	ND(0.047)															8.5 C
		45	TO-3										ND(7.1)	8.9 J	ND(9.4)	ND(9.4)															16000 C
		50	TO-3										ND(8.8)	40	ND(12)	14 J															30000 C
		55	TO-14										4.9	ND(0.20)	ND(0.24)	1.8								0.64J	0.96J		1.0J				
		60	TO-3										ND(18)	110	ND(24)	33 J															97000 C
	Mar 1998	10																													0
		45																													23000
		60																													75000
	Jul 1998	10																													1
		15																													19
		20																													7
		25																													4
		30																													4
		35																													20
		40																													10
		45																													23940
		50																													41730
		55																													46640
		60																													78440

US EPA ARCHIVE DOCUMENT

TABLE 2-8a. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	TO Method	TO Dilution Factor	n-Butyl-benzene mg/m^3	sec-Butyl-benzene mg/m^3	Isopropyl-benzene mg/m^3	n-Propyl-benzene mg/m^3	1,2-Dichloro-ethane mg/m^3	1,2-Dibromo-ethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethyl-benzene mg/m^3	Total Xylenes mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclo-hexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	2,2,4-Trimethyl-pentane mg/m^3	1,3,5-Trimethyl-benzene mg/m^3	1,2,4-Trimethyl-benzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyl-toluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3	TVPH as gasoline mg/m^3
VW-93	Dec 1998	10	TO-3										ND(0.0032)	0.0079 J	ND(0.004)	ND(0.004)															0.606 B
		35	TO-3										ND(0.0032)	0.0071 J	ND(0.004)	ND(0.004)															0.0461 B
		35 Dup	TO-3										ND(0.0032)	0.0124 J	0.0265	ND(0.004)															0.396 B
		45	TO-3										27.4 M	3.46 M	1.6926	2.17 MJ															605.8 B
		60	TO-3										105	67.7 M	20.8J	26.5MJ															19572 B
	Feb 1999	10	TO-3										ND	0.0083 J	ND	ND															0.1770
		35	TO-3										ND	0.0199 J	ND	ND															0.3310
		35 Dup	TO-3										ND	0.0135 J	ND	ND															0.405 B
		45	TO-3										6.38	7.89 M	3.6460	4.77 MJ															1957 B
		60	TO-3										89	75.2 M	36.46 M	47.74 J															34484 B
	Mar 2005	10	TO-15	2.96			ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.011)	ND(0.0053)	ND(0.031)	ND(0.0047)	ND(0.0056)	ND(0.0064)		ND(0.0064)	ND(0.0064)	ND(0.0051)	ND(0.0052)	ND(0.0061)	ND(0.0063)	ND(0.0069)	ND(0.0073)	ND(0.0073)	ND(0.0033)	ND(0.0073)				ND (0.076)
		15	TO-15	2.76			ND(0.0068)	ND(0.0068)	ND(0.0056)	ND(0.011)	ND(0.005)	ND(0.029)	ND(0.0044)	ND(0.0052)	ND(0.006)		ND(0.006)	ND(0.006)	ND(0.0048)	ND(0.0049)	ND(0.0056)	ND(0.0059)	ND(0.0064)	ND(0.0068)	ND(0.0068)	ND(0.003)	ND(0.0068)				ND (0.071)
		20	TO-15	2.33			ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)				ND (0.060)
		20 Dup	TO-15	2.42			ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)				ND (0.062)
		25	TO-15	2.69			ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.01)	ND(0.0048)	ND(0.028)	ND(0.0043)	ND(0.0051)	ND(0.0058)		ND(0.0058)	ND(0.0058)	ND(0.0046)	ND(0.0047)	ND(0.0055)	ND(0.0057)	ND(0.0063)	ND(0.0066)	ND(0.0066)	ND(0.003)	ND(0.0066)				ND (0.069)
		30	TO-15	2.53			ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0097)	ND(0.0046)	ND(0.026)	ND(0.004)	ND(0.0048)	ND(0.0055)		ND(0.0055)	ND(0.0055)	ND(0.0044)	ND(0.0044)	ND(0.0052)	ND(0.0054)	ND(0.0059)	ND(0.0062)	ND(0.0062)	ND(0.0028)	ND(0.0062)				ND (0.065)
		35	TO-15	2.29			ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)				ND (0.059)
		40	TO-15	2.24			ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)				ND (0.057)
		45	TO-15	2.42			ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)				ND (0.062)
		50	TO-15	2.64			ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.01)	ND(0.0048)	ND(0.028)	ND(0.0042)	ND(0.005)	ND(0.0057)		ND(0.0057)	ND(0.0057)	ND(0.0045)	ND(0.0046)	ND(0.0054)	ND(0.0056)	ND(0.0062)	ND(0.0065)	ND(0.0065)	ND(0.0029)	ND(0.0065)				ND (0.068)
		55	TO-15	2.58			ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0099)	ND(0.0046)	ND(0.027)	0.0044	0.0076	ND(0.0056)		ND(0.0056)	ND(0.0056)	ND(0.0044)	0.015	0.015	ND(0.0055)	ND(0.006)	ND(0.0063)	ND(0.0063)	ND(0.0028)	ND(0.0063)				0.099
		60	TO-15	440			ND(1.1)	ND(1.1)	ND(0.89)	ND(1.7)	ND(0.79)	ND(4.6)	ND(0.7)	ND(0.83)	ND(0.96)		ND(0.96)	ND(0.96)	ND(0.76)	3.2	ND(0.9)	ND(0.94)	190	ND(1.1)	ND(1.1)	ND(0.49)	ND(1.1)				203.69
	Sep 2005	10	TO-15	2.24			ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	0.0060	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	0.0042	ND(0.0055)				0.064
		15	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	0.0073	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	0.0036	ND(0.0054)				0.064
		20	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)				ND (0.057)
		25	TO-15	2.24			ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)				ND (0.057)
		30	TO-15	2.24			ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	0.0055	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)				0.061
		35	TO-15	2.29			ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)				ND (0.059)
		40	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	0.071	ND(0.0035)	ND(0.0041)	ND(0.0048)		0.0053	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	0.0089	0.03	ND(0.0024)	0.012				0.162
		45	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)				ND (0.057)
		50	TO-15	2.24			ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)				ND (0.057)
		55	TO-15	2.24			ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)				ND (0.057)
		60	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)				ND (0.057)
	Oct 2005	30	TO-15	2.2			ND(0.0054)	0.0061	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	0.015	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)				0.072
		35	TO-15	2.13			ND(0.0052)	ND(0.0052)	ND(0.0043)	ND(0.0082)	ND(0.0038)	ND(0.022)	ND(0.0034)	ND(0.004)	ND(0.0046)		ND(0.0046)	ND(0.0046)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0045)	ND(0.005)	ND(0.0052)	ND(0.0052)	ND(0.0024)	ND(0.0052)				ND (0.055)
		40	TO-15	2.09			ND(0.0051)	ND(0.0051)	ND(0.0042)	ND(0.008)	ND(0.0038)	ND(0.022)	ND(0.0033)	ND(0.0039)	ND(0.0045)		ND(0.0045)	ND(0.0045)	ND(0.0036)	ND(0.0037)	ND(0.0043)	ND(0.0044)	0.011	ND(0.0051)	ND(0.0051)	ND(0.0023)	ND(0.0051)				0.062
		45	TO-15	2.16			ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)				ND (0.056)
		50	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)				ND (0.057)
		60	TO-15	2.13			ND(0.0052)	ND(0.0052)	ND(0.0043)	ND(0.0082)	ND(0.0038)	ND(0.022)	ND(0.0034)	ND(0.004)	ND(0.0046)		ND(0.0046)	ND(0.0046)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0045)	ND(0.005)	ND(0.0052)	ND(0.0052)	ND(0.0024)	ND(0.0052)				ND (0.055)
	Nov/Dec 2006	10	TO-15	2.16			ND(0.0053)	ND(0.0053)				ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)		ND(0.0038)			ND(0.005)	ND(0.0053)	ND(0.0053)						ND (0.037)
		15	TO-15	2.09			ND(0.0051)	ND(0.0051)				ND(0.022)	ND(0.0033)	ND(0.0039)	ND(0.0045)		ND(0.0045)	ND(0.0045)		ND(0.0037)			ND(0.0049)	ND(0.0051)	ND(0.0051)						ND (0.036)
		20	TO-15	2.16			ND(0.0053)	ND(0.0053)				ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)		ND(0.0038)			ND(0.005)	ND(0.0053)	ND(0.0053)						ND (0.037)
		25	TO-15	2.16			ND(0.0053)	ND(0.0053)				ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)		ND(0.0038)			ND(0.005)	ND(0.0053)	ND(0.0053)						ND (0.037)
		30	TO-15	21.3			ND(0.052)	ND(0.052)				ND(0.22)	ND(0.034)	ND(0.04)	ND(0.046)		ND(0.046)	ND(0.046)		ND(0.038)			ND(0.05)	ND(0.052)	ND(0.052)						ND (0.364)
		35	TO-15	2.05			ND(0.005)	ND(0.005)				ND(0.021)	ND(0.0033)	ND(0.0039)	ND(0.0044)		ND(0.0044)	ND(0.0044)		ND(0.0036)			ND(0.0048)	ND(0.005)	ND(0.005)						ND (0.035)
		40	TO-15	2.05			ND(0.005)	ND(0.005)				ND(0.021)	ND(0.0033)	ND(0.0039)	ND(0.0044)		ND(0.0044)	ND(0.0044)		ND(0.0036)			ND(0.0048)	ND(0.005)	ND(0.005)						ND (0.035)
		45	TO-15	2.02			ND(0.005)	ND(0.005)				ND(0.021)	ND(0.0032)	ND(0.0038)	ND(0.0044)		ND(0.0044)	ND(0.0044)		ND(0.0036)			ND(0.0047)	ND(0.005)	ND(0.005)						ND (0.035)
		50	TO-15	2.38			ND(0.0058)	ND(0.0058)				ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)		ND(0.0042)			ND(0.0056)	ND(0.0058)	ND(0.0058)						ND (0.041)
		55	TO-15	2.38			ND(0.0058)	ND(0.0058)				ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)		ND(0.0042)			ND(0.0056)	ND(0.0058)	ND(0.0058)						ND (0.041)
		60	TO-15	2.13			ND(0.0052)	ND(0.0052)				ND(0.022)	ND(0.0034)	ND(0.004)	ND(0.0046)		ND(0.0046)	ND(0.0046)		ND(0.0038)			ND(0.005)	ND(0.0052)	ND(0.0052)						ND (0.036)

US EPA ARCHIVE DOCUMENT

TABLE 2-8a. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	TO Method	TO Dilution Factor	n-Butyl-benzene mg/m^3	sec-Butyl-benzene mg/m^3	Isopropyl-benzene mg/m^3	n-Propyl-benzene mg/m^3	1,2-Dichloro-ethane mg/m^3	1,2-Dibromo-ethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethyl-benzene mg/m^3	Total Xylenes mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclo-hexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	2,2,4-Trimethyl-pentane mg/m^3	1,3,5-Trimethyl-benzene mg/m^3	1,2,4-Trimethyl-benzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyl-toluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3	TVPH as gasoline mg/m^3
VW-93	Jun/Jul 2007	10	TO-15	2.58			ND(0.0063)	ND(0.0063)				ND(0.027)	ND(0.0041)	ND(0.0049)	ND(0.0056)		ND(0.0056)	ND(0.0056)		ND(0.0045)			ND(0.006)	ND(0.0063)	ND(0.0063)						ND (0.044)
		15	TO-15	2.76			ND(0.0068)	ND(0.0068)				0.0320	0.0072	0.0091	ND(0.006)		0.042	0.02		0.0057			0.0086	ND(0.0068)	0.033						0.171
		20	TO-15	2.47			ND(0.0061)	ND(0.0061)				ND(0.026)	ND(0.0039)	0.0120	ND(0.0054)		0.008	ND(0.0054)		ND(0.0044)			ND(0.0058)	ND(0.0061)	0.0073						0.062
		25	TO-15	2.76			ND(0.0068)	ND(0.0068)				ND(0.029)	ND(0.0044)	ND(0.0052)	ND(0.006)		ND(0.006)	ND(0.006)		ND(0.0049)			ND(0.0064)	ND(0.0068)	ND(0.0068)						ND (0.048)
		30	TO-15	2.38			ND(0.0058)	ND(0.0058)				ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)		0.0051			ND(0.0056)	ND(0.0058)	ND(0.0058)						0.044
		35	TO-15	2.33			ND(0.0057)	ND(0.0057)				ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)		ND(0.0041)			ND(0.0054)	ND(0.0057)	ND(0.0057)						ND (0.040)
		40	TO-15	2.38			ND(0.0058)	ND(0.0058)				ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)		ND(0.0042)			ND(0.0056)	ND(0.0058)	ND(0.0058)						ND (0.041)
		45	TO-15	2.29			ND(0.0056)	ND(0.0056)				ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)		ND(0.004)			ND(0.0053)	ND(0.0056)	ND(0.0056)						ND (0.039)
		50	TO-15	2.38			ND(0.0058)	ND(0.0058)				ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)		ND(0.0042)			ND(0.0056)	ND(0.0058)	ND(0.0058)						ND (0.041)
		55	TO-15	2.38			ND(0.0058)	ND(0.0058)				ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)		ND(0.0042)			ND(0.0056)	ND(0.0058)	ND(0.0058)						ND (0.041)
		60	TO-15	2.47			ND(0.0061)	ND(0.0061)				ND(0.026)	0.0050	0.0320	ND(0.0054)		0.049	0.026		ND(0.0044)			0.051	0.0096	0.026						0.223
	Apr 2008	10	TO-15	25.3	ND(0.28)	ND(0.28)	ND(0.062) J	ND(0.062)	ND(0.051)	ND(0.097)	ND(0.046)	ND(0.26) J	ND(0.04)	ND(0.048)	ND(0.055) J		ND(0.055)	ND(0.055)	ND(0.044)	ND(0.044)	ND(0.052) J	ND(0.054)	ND(0.059)	ND(0.062)	ND(0.062)	ND(0.028)	ND(0.062)				ND (0.929)
		10 Dup	TO-15	33.7	ND(0.37)	ND(0.37)	ND(0.083) J	ND(0.083)	ND(0.068)	ND(0.13)	ND(0.061)	ND(0.35) J	ND(0.054)	ND(0.063)	ND(0.073) J		ND(0.073)	ND(0.073)	ND(0.058)	ND(0.059)	ND(0.069) J	ND(0.072)	ND(0.079)	ND(0.083)	ND(0.083)	ND(0.037)	ND(0.083)				ND (1.237)
		15	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057) J	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024) J	ND(0.0037)	ND(0.0044)	ND(0.005) J		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048) J	ND(0.005)	ND(0.0054)	0.0064	0.0074	ND(0.0026)	ND(0.0057)				0.094
		20	TO-15	2.58	ND(0.028)	ND(0.028)	ND(0.0063)	ND(0.0063)	ND(0.0052) J	ND(0.0099)	ND(0.0046)	ND(0.027) J	ND(0.0041)	0.011 J	ND(0.0056)		0.012 J	ND(0.0056)	ND(0.0044)	ND(0.0045) J	ND(0.0053) J	ND(0.0055)	ND(0.006)	ND(0.0063)	ND(0.0063)	ND(0.0028)	ND(0.0063)				0.112
		20 Dup	TO-15	2.58	ND(0.028)	ND(0.028)	ND(0.0063)	ND(0.0063)	ND(0.0052) J	ND(0.0099)	ND(0.0046)	ND(0.027) J	ND(0.0041)	ND(0.0049) J	ND(0.0056)		ND(0.0056) J	ND(0.0056)	ND(0.0044)	ND(0.0045) J	ND(0.0053) J	ND(0.0055)	ND(0.006)	ND(0.0063)	ND(0.0063)	ND(0.0028)	ND(0.0063)				ND (0.094)
		25	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057) J	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024) J	ND(0.0037)	ND(0.0044)	ND(0.005) J		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048) J	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)				ND (0.086)
		30	TO-15	2.42	ND(0.026)	ND(0.026)	ND(0.0059) J	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025) J	ND(0.0039)	ND(0.0046)	ND(0.0052) J		ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005) J	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)				ND (0.088)
		35	TO-15	2.29	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024) J	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047) J	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)				ND (0.084)
		40	TO-15	2.53	ND(0.028)	ND(0.028)	ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0097)	ND(0.0046)	ND(0.026) J	ND(0.004)	ND(0.0048)	ND(0.0055)		ND(0.0055)	ND(0.0055)	ND(0.0044)	ND(0.0044)	ND(0.0052) J	ND(0.0054)	ND(0.0059)	ND(0.0062)	ND(0.0062)	ND(0.0028)	ND(0.0062)				ND (0.093)
		45	TO-15	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025) J	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049) J	ND(0.0051)	ND(0.0056)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)				ND (0.087)
		50	TO-15	2.47	ND(0.027)	ND(0.027)	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0095)	ND(0.0044)	ND(0.026) J	ND(0.0039)	ND(0.0046)	ND(0.0054)		ND(0.0054)	ND(0.0054)	ND(0.0042)	0.02	ND(0.0051) J	ND(0.0053)	ND(0.0058)	ND(0.0061)	ND(0.0061)	ND(0.0027)	ND(0.0061)				ND (0.109)
		55	TO-15	2.53	ND(0.028)	ND(0.028)	ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0097)	ND(0.0046)	ND(0.026) J	ND(0.004)	ND(0.0048)	ND(0.0055)		ND(0.0055)	ND(0.0055)	ND(0.0044)	ND(0.0044)	ND(0.0052) J	ND(0.0054)	ND(0.0059)	ND(0.0062)	ND(0.0062)	ND(0.0028)	ND(0.0062)				ND (0.093)
	Sep 2008	10	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)	ND(0.011)	ND(0.014)	ND(0.019)	ND(0.1077)
		15	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)	ND(0.10245)
		20	TO-15	2.53	ND(0.028)	ND(0.028)	ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0097)	ND(0.0046)	ND(0.026)	ND(0.004)	ND(0.0048)	ND(0.0055)		ND(0.0055)	ND(0.0055)	ND(0.0044)	ND(0.0044)	ND(0.0052)	ND(0.0054)	ND(0.0059)	ND(0.0062)	ND(0.0062)	ND(0.0028)	ND(0.0062)	ND(0.012)	ND(0.015)	ND(0.02)	ND(0.1164)
		20 Dup	TO-15	2.47	ND(0.027)	ND(0.027)	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0095)	ND(0.0044)	ND(0.026)	ND(0.0039)	ND(0.0046)	ND(0.0054)		ND(0.0054)	ND(0.0054)	ND(0.0042)	ND(0.0044)	ND(0.0051)	ND(0.0053)	ND(0.0058)	ND(0.0061)	ND(0.0061)	ND(0.0027)	ND(0.0061)	ND(0.012)	ND(0.014)	ND(0.02)	ND(0.1138)
		25	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	0.0047 JB	0.011	ND(0.0048)	0.0062	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)	0.1175
		30	TO-15	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)	ND(0.011)	ND(0.014)	ND(0.019)	ND(0.1093)
		35	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	0.006 JB	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)	ND(0.011)	0.041	ND(0.019)	0.1455
		40	TO-15	2.29	ND(0.025)	ND(0.025)	0.0061	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	0.046	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.014)	ND(0.018)	0.14265
		45	TO-15	2.47	ND(0.027)	ND(0.027)	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0095)	ND(0.0044)	ND(0.026)	ND(0.0039)	ND(0.0046)	ND(0.0054)		ND(0.0054)	ND(0.0054)	ND(0.0042)	ND(0.0044)	ND(0.0051)	ND(0.0053)	ND(0.0058)	ND(0.0061)	ND(0.0061)	ND(0.0027)	ND(0.0061)	ND(0.012)	ND(0.014)	ND(0.02)	ND(0.1138)
		50	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)	ND(0.011)	ND(0.014)	ND(0.019)	ND(0.1077)
		55	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)	ND(0.011)	ND(0.014)	ND(0.019)	ND(0.1077)
		60	TO-15	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)	ND(0.011)	ND(0.014)	ND(0.019)	ND(0.1093)
	Dec 2008	10	TO-15	2.16	ND(0.024)	ND(0.024)	ND(0.0053)	ND(0.0053)	0.0051	ND(0.0083)	ND(0.0039)	ND(0.023)	0.0036	0.0053	ND(0.0047)		0.0091	ND(0.0047)	0.004	0.029	0.023	ND(0.0046)	0.086	ND(0.0053)	0.0059	ND(0.0024)	ND(0.0053)	0.055	0.03	0.021	0.3374
		15	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)	ND(0.10245)
		20	TO-15	2.02	ND(0.022)	ND(0.022)	ND(0.005)	0.0059 J	ND(0.0041)	ND(0.0078)	ND(0.0036)	ND(0.021)	ND(0.0032)	0.16	0.035		0.15	0.059	ND(0.0035)	ND(0.0036)	0.0074	ND(0.0043)	ND(0.0047)	0.0067	0.014	ND(0.0022)	0.021	ND(0.0096)	ND(0.012)	ND(0.016)	0.5313
		25	TO-15	2.09	ND(0.023)	ND(0.023)	ND(0.0051)	ND(0.0051)	ND(0.0042)	ND(0.008)	ND(0.0038)	ND(0.022)	0.0056	0.043	0.012		0.052	0.022	ND(0.0036)	ND(0.0037)	ND(0.0043)	ND(0.0044)	ND(0.0049)	0.0067	0.021	ND(0.0023)	0.02	ND(0.0099)	ND(0.012)	ND(0.017)	0.26045
		30	TO-15	2.13	ND(0.023)	ND(0.023)	ND(0.0052)	ND(0.0052)	ND(0.0043)	ND(0.0082)	ND(0.0038)	ND(0.022)	ND(0.0034)	ND(0.004)	ND(0.0046)		ND(0.0046)	ND(0.0046)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0045)	ND(0.005)	ND(0.0052)	ND(0.0052)	ND(0.0024)	ND(0.0052)	ND(0.01)	ND(0.012)	ND(0.017)	ND(0.09715)
		35	TO-15	2.16	ND(0.024)	ND(0.024)	ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)	ND(0.01)	ND(0.013)	ND(0.017)	ND(0.0998)
		40	TO-15	2.09	ND(0.023)	ND(0.023)	ND(0.0051)	ND(0.0051)	ND(0.0042)	ND(0.008)	ND(0.0038)	0.11	0.0057	0.031	0.0076		0.029	0.035	ND(0.0036)	ND(0.0037)	ND(0.0043)	0.013	ND(0.0049)	ND(0.0051)	0.018	ND(0.0023)	0.014	ND(0.0099)	ND(0.012)	ND(0.017)	0.3308
		45	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)	ND(0.10245)
		50	TO-15	2.13	ND(0.023)	ND(0.023)	ND(0.0052)	ND(0.0052)	ND(0.0043)	ND(0.0082)	ND(0.0038)	ND(0.022)	0.0043	ND(0.004)	ND(0.0046)		ND(0.0046)	ND(0.0046)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0045)	ND(0.005)	ND(0.0052)	ND(0.0052)	ND(0.0024)	ND(0.0052)	ND(0.01)	ND(0.012)	ND(0.017)	0.09975
		55	TO-15	2.02	ND(0.022)	ND(0.022)	ND(0.005)	ND(0.005)	ND(0.0041)	ND(0.0078)	ND(0.0036)	ND(0.021)	ND(0.0032)	ND(0.0038)	ND(0.0044)		ND(0.0044)	ND(0.0044)	ND(0.0035)	ND(0.0036)	0.0042	ND(0.0043)	ND(0.0047)	ND(0.005)	ND(0.005)	ND(0.0022)	ND(0.005)	ND(0.0096)	ND(0.012)	ND(0.016)	0.095
		55 Dup	TO-15	2.16	ND(0.024)	ND(0.024)	ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)	ND(0.01)	ND(0.013)	ND(0.017)	ND(0.0998)
		60	TO-15	2.09	ND(0.023)	ND(0.023)	ND(0.0051)	ND(0.0051)	ND(0.0042)	ND(0.008)	ND(0.0038)	ND(0.022)	ND(0.0033)	ND(0.0039)	ND(0.0045)		ND(0.0045)	ND(0.0045)	ND(0.0036)	ND(0.0037)	ND(0.0043)	ND(0.0044)	ND(0.0049)	ND(0.0051)	ND(0.0051)	ND(0.0023)	ND(0.0051)	ND(0.0099)	ND(0.012)	ND(0.017)	ND(0.09615)

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TABLE 2-8a. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	TO Method	TO Dilution Factor	n-Butyl-benzene mg/m^3	sec-Butyl-benzene mg/m^3	Isopropyl-benzene mg/m^3	n-Propyl-benzene mg/m^3	1,2-Dichloro-ethane mg/m^3	1,2-Dibromo-ethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethyl-benzene mg/m^3	Total Xylenes mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclo-hexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	2,2,4-Trimethyl-pentane mg/m^3	1,3,5-Trimethyl-benzene mg/m^3	1,2,4-Trimethyl-benzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyl-toluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3	TVPH as gasoline mg/m^3
VW-93	Sep/Oct 2009	10	TO-15	2.41	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0092)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)	ND(0.011)	ND(0.014)	ND(0.019)	ND (0.110)
		15	TO-15	2.16	ND(0.024)	ND(0.024)	ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	0.0046	ND(0.023)	0.0084	0.12 J	0.0075 J		0.025 J	0.0065 J	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	0.0084	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)	ND(0.01)	ND(0.013)	ND(0.017)	0.26495
		20	TO-15	2.31	ND(0.025)	ND(0.025)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.0089)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0047)	ND(0.0049)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)	ND(0.011)	ND(0.014)	ND(0.018)	ND (0.106)
		25	TO-15	2.3	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0037)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0054)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.014)	ND(0.018)	ND (0.106)
		30	TO-15	2.41	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0092)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)	ND(0.011)	ND(0.014)	ND(0.019)	ND (0.110)
		35	TO-15	2.3	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0037)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0054)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.014)	ND(0.018)	ND (0.106)
		40	TO-15	2.37	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0051)		ND(0.0051)	ND(0.0051)	ND(0.0041)	ND(0.0042)	ND(0.0048)	ND(0.005)	ND(0.0055)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)	ND(0.011)	ND(0.014)	ND(0.019)	ND (.109)
		45	TO-15	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)	ND(0.012)	ND(0.014)	ND(0.019)	ND (0.111)
		50	TO-15	2.44	0.027 J	ND(0.027)	ND(0.006)	0.0078 J	ND(0.0049)	ND(0.0094)	ND(0.0044)	ND(0.026)	0.008 J	0.079 J	0.026 J		0.11 J	0.048 J	ND(0.0042)	ND(0.0043)	0.0052 J	ND(0.0052)	ND(0.0057)	0.022 J	0.065 J	ND(0.0027)	0.052 J	ND(0.012)	ND(0.014)	ND(0.02)	0.523
		50 Dup	TO-15	2.44	ND(0.027)	ND(0.027)	0.014 J	0.037 J	ND(0.0049)	ND(0.0094)	ND(0.0044)	ND(0.026)	ND(0.0039)	0.38 J	0.12 J		0.57 J	0.25 J	ND(0.0042)	ND(0.0043)	0.022 J	ND(0.0052)	ND(0.0057)	0.062 J	0.14 J	ND(0.0027)	0.15 J	ND(0.012)	ND(0.014)	0.045 J	1.865
		55	TO-15	2.44	ND(0.027)	ND(0.027)	ND(0.006)	ND(0.006)	ND(0.0049)	ND(0.0094)	ND(0.0044)	ND(0.026)	ND(0.0039)	ND(0.0046)	ND(0.0053)		ND(0.0053)	ND(0.0053)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0057)	ND(0.006)	ND(0.006)	ND(0.0027)	ND(0.006)	ND(0.012)	ND(0.014)	ND(0.02)	ND (0.113)
		60	TO-15	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)	ND(0.012)	ND(0.014)	ND(0.019)	ND (0.111)
VW-96A	Mar 2005	5	TO-15	2.05			ND(0.005)	ND(0.005)	0.0290	ND(0.0079)	ND(0.0037)	ND(0.021)	ND(0.0033)	0.0087	0.0063		0.013	ND(0.0044)	ND(0.0035)	ND(0.0036)	ND(0.0042)	ND(0.0044)	ND(0.0048)	ND(0.005)	0.0055	0.0045	ND(0.005)				0.107
	Sep 2005	5	TO-15	2.96			ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.011)	ND(0.0053)	ND(0.031)	ND(0.0047)	ND(0.0056)	ND(0.0064)		ND(0.0064)	ND(0.0064)	ND(0.0051)	ND(0.0052)	ND(0.0061)	ND(0.0063)	ND(0.0069)	ND(0.0073)	ND(0.0073)	ND(0.0033)	ND(0.0073)				ND (0.076)
	Jun/Jul 2006	5	TO-15	2.33			ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)				ND (0.060)
	Nov/Dec 2006	5	TO-15	2.69			ND(0.0066)	ND(0.0066)				ND(0.028)	ND(0.0043)	ND(0.0051)	ND(0.0058)		ND(0.0058)	ND(0.0058)		ND(0.0047)			ND(0.0063)	ND(0.0066)	ND(0.0066)						ND (0.046)
		5 Dup	TO-15	2.42			ND(0.0059) R	ND(0.0059) R				ND(0.025) R	0.005 R	0.009 R	ND(0.0052) R		0.0056 R	ND(0.0052) R		0.0082 R			ND(0.0056) R	ND(0.0059) R	ND(0.0059) R						
	Apr 2008	5	TO-15	2.05	ND(0.022)	ND(0.022)	ND(0.005)	ND(0.005)	ND(0.0041)	ND(0.0079)	ND(0.0037)	ND(0.021) J	ND(0.0033)	0.0043	ND(0.0044)		ND(0.0044)	ND(0.0044)	ND(0.0035)	0.0074	ND(0.0042) J	ND(0.0044)	ND(0.0048)	ND(0.005)	ND(0.005)	ND(0.0023)	ND(0.005)				0.082
	Sep 2008	5	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	0.0069	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)	ND(0.011)	ND(0.014)	ND(0.019)	0.112
	Dec 2008	5	TO-15	7.63	ND(0.84)	ND(0.84)	ND(0.19)	ND(0.19)	ND(0.15)	ND(0.29)	ND(0.14)	ND(0.8)	ND(0.12)	ND(0.14)	ND(0.16)		ND(0.16)	ND(0.16)	ND(0.13)	ND(0.13)	ND(0.16)	ND(0.16)	79	ND(0.19)	ND(0.19)	ND(0.084)	ND(0.19)	ND(0.36)	4.5	ND(0.61)	86.692
	Mar 2009	5	TO-15	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	0.067	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)	ND(0.012)	0.058	ND(0.019)	0.2258
	Sep/Oct 2009	5	TO-15	220	ND(24)	ND(24)	ND(5.4)	ND(5.4)	ND(4.4)	ND(8.4)	ND(4)	ND(23)	ND(3.5)	ND(4.1)	ND(4.8)		ND(4.8)	ND(4.8)	21	16	ND(4.5)	ND(4.7)	640	ND(5.4)	ND(5.4)	ND(2.4)	ND(5.4)	36	420	33	1240.2
VW-96	Sep 1997	10	TO-3										ND(0.10)	0.62	1.7	5.1															320
		15	TO-3										ND(0.10)	0.29	0.9	3.1															330
		20	TO-3										ND(0.40)	25	36	140															9600
		20	TO-14										ND(20)	ND(20)	3.5	22.5															
		25	TO-3										ND(0.10)	0.5	1.7	2.6															210
		30	TO-3										ND(0.10)	0.20	0.21	1.4															78
		35	TO-3										ND(0.40)	12	3	2.9															8600
		40	TO-3										44	33	12	25															40000
		45	TO-3										59	33	25	86															49000
		50	TO-3										260	160	84	240															120000
		55	TO-3										800	270	170	460															180000
		60	TO-3										1100	300	180	350															200000
	Dec 1997	10	TO-3										ND(0.035)	0.073 J	ND(0.047)	0.078 J															84 C
		15	TO-3										ND(0.035)	ND(0.035)	ND(0.047)	ND(0.047)															8.4 C
		20[1]	TO-3										ND(0.24)	1.6	19	35															1700 C
		20 Dup[1]	TO-3										ND(0.18)	0.68	12	19															1300 C
		25	TO-3										ND(0.035)	0.039 J	ND(0.047)	0.090 J															16 C
		30	TO-3										ND(0.035)	ND(0.035)	ND(0.047)	ND(0.047)															5.7
		35	TO-3										ND(0.12)	0.26JB	ND(0.16)	ND(0.16)															410 C
		40	TO-3										ND(7.1)	14 J	14 J	ND(9.4)															28000 C
		45	TO-3										ND(7.1)	12 J	10 J	17 J															26000 C
		50	TO-3										49	15 JB	ND(9.4)	39															28000 C
		55	TO-3										830	190	350	870															260000 C
		60	TO-14										1000	78	340	980								40	77		87				
		60 Dup	TO-14										1000	77	330	990								34	69		78				

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TABLE 2-8a. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	TO Method	TO Dilution Factor	n-Butyl-benzene mg/m^3	sec-Butyl-benzene mg/m^3	Isopropyl-benzene mg/m^3	n-Propyl-benzene mg/m^3	1,2-Dichloro-ethane mg/m^3	1,2-Dibromo-ethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethyl-benzene mg/m^3	Total Xylenes mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclo-hexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	2,2,4-Trimethyl-pentane mg/m^3	1,3,5-Trimethyl-benzene mg/m^3	1,2,4-Trimethyl-benzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyl-toluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3	TVPH as gasoline mg/m^3
VW-96	Mar 1998	10																													0
		40																													52000
		55																													154000
	Jul 1998	10																													33
		15																													8
		20																													6
		25																													4
		30																													918
		35																													13990
		40																													74730
		45																													90300
		50																													127990
		55																													179040
	Dec 1998	15	TO-3										0.48 M	0.056 M	ND(0.013)	ND(0.013)															163.1 B
		30	TO-3										ND(0.0032)	0.0056 J	ND(0.004)	ND(0.004)															0.350 B
		30 Dup	TO-3										ND(0.0032)	ND(0.004)	ND(0.004)	ND(0.004)															0.559 B
		45	TO-3										35.1	14.7 M	3.86 J	5.21 J															12116 B
		55	TO-3										315.8	48.9 MJ	60.8 J	147.6 J															36814 B
	Feb 1999	15	TO-3										ND	0.06	0.0412	ND															0.396 B
		30	TO-3										ND	ND	ND	ND															15378 B
		30 Dup	TO-3										124	4.512 J	ND	ND															9786 B
		45	TO-3										191	86 M	24.3 J	32.98 J															74560 B
		55	TO-3										1212 M	191.8 M	295	694															125820 B
	Mar 2005	10	TO-15	2.13			ND(0.0052)	ND(0.0052)	ND(0.0043)	ND(0.0082)	ND(0.0038)	ND(0.022)	ND(0.0034)	ND(0.004)	ND(0.0046)		ND(0.0046)	ND(0.0046)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0045)	ND(0.005)	ND(0.0052)	ND(0.0052)	ND(0.0024)	ND(0.0052)				ND (0.055)
		15	TO-15	2.16			ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)				ND (0.056)
		20	TO-15	2.38			ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)				ND (0.061)
		25	TO-15	2.13			ND(0.0052)	ND(0.0052)	ND(0.0043)	ND(0.0082)	ND(0.0038)	ND(0.022)	ND(0.0034)	ND(0.004)	ND(0.0046)		ND(0.0046)	ND(0.0046)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0045)	ND(0.005)	ND(0.0052)	ND(0.0052)	ND(0.0024)	ND(0.0052)				ND (0.055)
		30	TO-15	1.75			ND(0.0043)	ND(0.0043)	ND(0.0035)	ND(0.0067)	ND(0.0032)	ND(0.018)	ND(0.0028)	ND(0.0033)	ND(0.0038)		ND(0.0038)	ND(0.0038)	ND(0.003)	ND(0.0031)	ND(0.0036)	ND(0.0037)	ND(0.0041)	0.0073	ND(0.0043)	ND(0.0019)	ND(0.0043)				ND (0.050)
		35	TO-15	1.79			ND(0.0044) R	ND(0.0044) R	ND(0.0036) R	ND(0.0069) R	ND(0.0032) R	ND(0.019) R	ND(0.0028) R	0.004 R	ND(0.0039) R		ND(0.0039) R	ND(0.0039) R	ND(0.0031) R	0.0047 R	ND(0.0037) R	ND(0.0038) R	ND(0.0042) R	0.0046 R	ND(0.0044) R	ND(0.002) R	ND(0.0044) R				
		40	TO-15	1.58			ND(0.0039)	ND(0.0039)	ND(0.0032)	ND(0.0061)	ND(0.0028)	ND(0.016)	ND(0.0025)	ND(0.003)	ND(0.0034)		0.0047	ND(0.0034)	ND(0.0027)	ND(0.0028)	ND(0.0032)	ND(0.0034)	ND(0.0037)	0.015	0.018	ND(0.0017)	0.01				0.081
		45	TO-15	1.55			ND(0.0038)	ND(0.0038)	ND(0.0031)	ND(0.006)	ND(0.0028)	ND(0.016)	ND(0.0025)	ND(0.0029)	ND(0.0034)		ND(0.0034)	ND(0.0034)	ND(0.0027)	ND(0.0027)	ND(0.0032)	ND(0.0033)	ND(0.0036)	0.0058	0.022	ND(0.0017)	0.0043				0.066
		50	TO-15	336			ND(0.82)	ND(0.82)	ND(0.68)	ND(1.3)	ND(0.6)	ND(3.5)	ND(0.54)	ND(0.63)	ND(0.73)		ND(0.73)	ND(0.73)	ND(0.58)	ND(0.59)	ND(0.69)	ND(0.72)	140	ND(0.82)	ND(0.82)	ND(0.37)	ND(0.82)				148.25
		50 Dup	TO-15	164			ND(0.4)	ND(0.4)	ND(0.33)	ND(0.63)	ND(0.3)	ND(1.7)	ND(0.26)	ND(0.31)	ND(0.36)		ND(0.36)	ND(0.36)	ND(0.28)	ND(0.29)	ND(0.34)	ND(0.35)	110	ND(0.4)	ND(0.4)	ND(0.18)	ND(0.4)				114.03
		55	TO-15	328			ND(0.81)	ND(0.81)	ND(0.66)	ND(1.3)	ND(0.59)	ND(3.4)	4	ND(0.62)	ND(0.71)		ND(0.71)	ND(0.71)	26	24	ND(0.67)	ND(0.7)	500 E	ND(0.81)	ND(0.81)	ND(0.36)	ND(0.81)				561.24
	May 2005	30	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	7.9 DX	0.0078	ND(0.0054)	ND(0.0024)	ND(0.0054)				7.96
		35	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	0.0057	ND(0.0045)	ND(0.0047)	15 DX	0.0075	ND(0.0054)	ND(0.0024)	ND(0.0054)				15.06
		35 Dup	TO-15	22.9			ND(0.056)	ND(0.056)	ND(0.046)	ND(0.088)	ND(0.041)	ND(0.24)	ND(0.036)	ND(0.043)	ND(0.05)		ND(0.05)	ND(0.05)	ND(0.039)	ND(0.04)	ND(0.047)	ND(0.049)	16	ND(0.056)	ND(0.056)	ND(0.025)	ND(0.056)				16.56
		55	TO-15	44.8			0.2100	0.1600	ND(0.091)	ND(0.17)	ND(0.081)	ND(0.47)	3.3 DX	ND(0.084)	0.28		ND(0.097)	ND(0.097)	60 DX	31 DX	ND(0.092)	ND(0.095)	820 DX	ND(0.11)	0.2	ND(0.05)	ND(0.11)				915.92
	Sep 2005	10	TO-15	2.09			ND(0.0051)	ND(0.0051)	ND(0.0042)	ND(0.008)	ND(0.0038)	ND(0.022)	ND(0.0033)	0.0046	ND(0.0045)		ND(0.0045)	ND(0.0045)	0.0038	0.0076	ND(0.0043)	ND(0.0044)	0.028	ND(0.0051)	ND(0.0051)	ND(0.0023)	ND(0.0051)				0.090
		15	TO-15	2.24			ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	0.0079	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	0.006	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)				0.067
		20	TO-15	2.24			ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	0.0091	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	0.008	0.0074	ND(0.0025)	ND(0.0055)				0.074
		25	TO-15	2.29			ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	0.0047	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)				0.061
		30	TO-15	2.24			ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	0.0091	ND(0.0055)	ND(0.0025)	ND(0.0055)				0.064
		35	TO-15	2.42			ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0042)	0.0052	ND(0.005)	ND(0.0052)	0.012	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)				0.074
		40	TO-15	45.8			ND(0.11)	ND(0.11)	ND(0.093)	ND(0.18)	ND(0.082)	ND(0.48)	ND(0.073)	ND(0.086)	ND(0.099)		ND(0.099)	ND(0.099)	ND(0.079)	ND(0.081)	ND(0.094)	ND(0.098)	28	ND(0.11)	ND(0.11)	ND(0.051)	ND(0.11)				29.12
		45	TO-15	93.2			ND(0.23)	ND(0.23)	ND(0.19)	ND(0.36)	ND(0.17)	ND(0.98)	ND(0.15)	ND(0.18)	ND(0.2)		ND(0.2)	ND(0.2)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.2)	69	ND(0.23)	ND(0.23)	ND(0.1)	ND(0.23)				71.30
		50	TO-15	572			ND(1.4)	ND(1.4)	ND(1.2)	ND(2.2)	ND(1)	ND(6)	ND(0.91)	ND(1.1)	ND(1.2)		ND(1.2)	ND(1.2)	3.6	2.7	ND(1.2)	ND(1.2)	500	ND(1.4)	ND(1.4)	ND(0.63)	ND(1.4)				519.32
		55	TO-15	1120			ND(2.8)	ND(2.8)	ND(2.3)	ND(4.3)	ND(2)	ND(12)	7	ND(2.1)	ND(2.4)		ND(2.4)	ND(2.4)	180	160	31	ND(2.4)	1500 E	ND(2.8)	ND(2.8)	ND(1.2)	ND(2.8)				1901.75
		55 Dup	TO-15	1470			ND(3.6)	ND(3.6)	ND(3)	ND(5.6)	ND(2.6)	ND(15)	4.5	ND(2.8)	ND(3.2)		ND(3.2)	ND(3.2)	120	100	19	ND(3.1)	1000	ND(3.6)	ND(3.6)	ND(1.6)	ND(3.6)				1274.15
		60	TO-15	3730			9.2000	18.0000	ND(7.5)	ND(14)	ND(6.7)	ND(39)	33	10	120		270	ND(8.1)	400	770	560	ND(7.9)	1700	25	51	ND(4.1)	33				4042.85

US EPA ARCHIVE DOCUMENT

TABLE 2-8a. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	TO Method	TO Dilution Factor	n-Butyl-benzene mg/m^3	sec-Butyl-benzene mg/m^3	Isopropyl-benzene mg/m^3	n-Propyl-benzene mg/m^3	1,2-Dichloro-ethane mg/m^3	1,2-Dibromo-ethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethyl-benzene mg/m^3	Total Xylenes mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclo-hexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	2,2,4-Trimethyl-pentane mg/m^3	1,3,5-Trimethyl-benzene mg/m^3	1,2,4-Trimethyl-benzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyl-toluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3	TVPH as gasoline mg/m^3
VW-96	Oct 2005	20	TO-15	2.05			ND(0.005)	ND(0.005)	ND(0.0041)	ND(0.0079)	ND(0.0037)	ND(0.021)	ND(0.0033)	ND(0.0039)	ND(0.0044)		ND(0.0044)	ND(0.0044)	ND(0.0035)	ND(0.0036)	ND(0.0042)	ND(0.0044)	ND(0.0048)	ND(0.005)	0.0065	ND(0.0023)	ND(0.005)				0.056
		25	TO-15	2.38			ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)				ND (0.061)
		30	TO-15	2.24			ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	0.0047	ND(0.0049)		0.0062	0.006	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	0.0069	0.0071	ND(0.0025)	ND(0.0055)				0.076
		35	TO-15	2.16			ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)				ND (0.056)
		40	TO-15	2.16			ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	0.0084	0.0057	ND(0.0024)	ND(0.0053)				0.065
		50	TO-15	2.33			ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	0.011	0.018	0.014 J	ND(0.0026)	ND(0.0057)				0.094
		50 Dup	TO-15	2.33			ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	0.011	0.019	0.02 J	ND(0.0026)	ND(0.0057)				0.101
		60	TO-15	2330			7.7000	12.0000	ND(4.7)	ND(9)	ND(4.2)	ND(24)	31.0000	14.0000	110.0000		280	ND(5)	380	620	520	ND(5)	1700	31	63	ND(2.6)	35				3830.95
	Jun/Jul 2006	10	TO-15	2.53			ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0097)	ND(0.0046)	ND(0.026)	ND(0.004)	ND(0.0048)	ND(0.0055)		ND(0.0055)	ND(0.0055)	ND(0.0044)	ND(0.0044)	ND(0.0052)	ND(0.0054)	ND(0.0059)	ND(0.0062)	ND(0.0062)	ND(0.0028)	ND(0.0062)				ND (0.065)
		20	TO-15	52.8			ND(0.13)	ND(0.13)	ND(0.11)	ND(0.2)	ND(0.095)	ND(0.55)	ND(0.084)	ND(0.099)	ND(0.11)		ND(0.11)	ND(0.11)	ND(0.091)	ND(0.093)	ND(0.11)	ND(0.11)	30	ND(0.13)	ND(0.13)	ND(0.058)	ND(0.13)				31.29
		30	TO-15	672			ND(1.6)	ND(1.6)	ND(1.4)	ND(2.6)	ND(1.2)	ND(7)	ND(1.1)	ND(1.3)	ND(1.4)		ND(1.4)	ND(1.4)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.4)	510	ND(1.6)	ND(1.6)	ND(0.74)	ND(1.6)				526.37
		40	TO-15	826			ND(2)	ND(2)	ND(1.7)	ND(3.2)	ND(1.5)	ND(8.6)	ND(1.3)	ND(1.6)	ND(1.8)		ND(1.8)	ND(1.8)	ND(1.4)	ND(1.4)	ND(1.7)	ND(1.8)	580	ND(2)	ND(2)	ND(0.91)	ND(2)				600.26
		50	TO-15	2640			ND(6.5)	ND(6.5)	ND(5.3)	ND(10)	ND(4.8)	ND(28)	4.5	5.3	ND(5.7)		ND(5.7)	ND(5.7)	59	22	5.4	ND(5.6)	2100	ND(6.5)	ND(6.5)	ND(2.9)	ND(6.5)				2249.30
		55	TO-15	3030			ND(7.4)	ND(7.4)	ND(6.1)	ND(12)	ND(5.5)	ND(32)	5.1	ND(5.7)	ND(6.6)		ND(6.6)	ND(6.6)	160	83	34	ND(6.4)	2300	ND(7.4)	ND(7.4)	ND(3.4)	ND(7.4)				2646.05
	Nov/Dec 2006	10	TO-15	2.2			ND(0.0054)	ND(0.0054)				ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)		ND(0.0039)			ND(0.0051)	ND(0.0054)	ND(0.0054)						ND (0.038)
		20	TO-15	2.33			ND(0.0057)	ND(0.0057)				ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)		ND(0.0041)			ND(0.0054)	0.0094	0.007						0.050
		25	TO-15	2.24			ND(0.0055)	ND(0.0055)				ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)		ND(0.0039)			ND(0.0052)	ND(0.0055)	ND(0.0055)						ND (0.038)
		30	TO-15	2.16			ND(0.0053)	ND(0.0053)				ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)		ND(0.0038)			0.013	0.015	ND(0.0053)						0.060
		35	TO-15	2.24			ND(0.0055)	ND(0.0055)				ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)		ND(0.0039)			0.01	0.02	ND(0.0055)						0.063
		40	TO-15	2.53			ND(0.0062)	ND(0.0062)				ND(0.026)	ND(0.004)	ND(0.0048)	ND(0.0055)		ND(0.0055)	ND(0.0055)		ND(0.0044)			0.013	0.022	0.0071						0.076
		45	TO-15	2.24			ND(0.0055)	ND(0.0055)				ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		0.006	ND(0.0049)		ND(0.0039)			0.043	0.02	0.028						0.125
		50	TO-15	229			ND(0.56)	ND(0.56)				ND(2.4)	ND(0.36)	ND(0.43)	ND(0.5)		ND(0.5)	ND(0.5)		ND(0.4)			98	ND(0.56)	ND(0.56)						101.665
		55	TO-15	1470			ND(3.6)	ND(3.6)				ND(15)	5.7	ND(2.8)	ND(3.2)		ND(3.2)	ND(3.2)		48			1300	ND(3.6)	ND(3.6)						1374.60
	Jun/Jul 2007	10	TO-15	2.33			ND(0.0057)	ND(0.0057)				ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)		ND(0.0041)			ND(0.0054)	ND(0.0057)	ND(0.0057)						ND (0.040)
		20	TO-15	2.24			ND(0.0055)	ND(0.0055)				ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)		ND(0.0039)			ND(0.0052)	ND(0.0055)	ND(0.0055)						ND (0.038)
		25	TO-15	458			ND(1.1)	ND(1.1)				ND(4.8)	ND(0.73)	ND(0.86)	ND(0.99)		ND(0.99)	ND(0.99)		ND(0.81)			410	ND(1.1)	ND(1.1)						417.29
		25 Dup	TO-15	864			ND(2.1)	ND(2.1)				ND(9)	ND(1.4)	ND(1.6)	ND(1.9)		ND(1.9)	ND(1.9)		1.5			330	ND(2.1)	ND(2.1)						344.55
		30	TO-15	476			ND(1.2)	ND(1.2)				ND(5)	ND(0.76)	ND(0.9)	ND(1)		ND(1)	ND(1)		ND(0.84)			440	ND(1.2)	ND(1.2)						447.65
		35	TO-15	476			ND(1.2)	ND(1.2)				ND(5)	ND(0.76)	ND(0.9)	ND(1)		ND(1)	ND(1)		ND(0.84)			270	ND(1.2)	ND(1.2)						277.65
		40	TO-15	466			ND(1.1)	ND(1.1)				ND(4.9)	ND(0.74)	ND(0.88)	ND(1)		ND(1)	ND(1)		ND(0.82)			220	ND(1.1)	ND(1.1)						227.37
		45	TO-15	238			ND(0.58)	ND(0.58)				ND(2.5)	ND(0.38)	ND(0.45)	ND(0.52)		ND(0.52)	ND(0.52)		ND(0.42)			190	ND(0.58)	ND(0.58)						193.82
		45 Dup	TO-15	293			ND(0.72)	ND(0.72)				ND(3.1)	ND(0.47)	ND(0.55)	ND(0.64)		ND(0.64)	ND(0.64)		ND(0.52)			180	ND(0.72)	ND(0.72)						184.72
		50	TO-15	484			ND(1.2)	ND(1.2)				ND(5.1)	0.77	ND(0.91)	ND(1)		ND(1)	ND(1)		8.1			620 E	ND(1.2)	ND(1.2)						635.78
		55	TO-15	988			ND(2.4)	ND(2.4)				ND(10)	ND(1.6)	ND(1.9)	ND(2.1)		ND(2.1)	ND(2.1)		80			1100 E	ND(2.4)	ND(2.4)						1194.70
	Apr 2008	10	TO-15	2.64	ND(0.029)	ND(0.029)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.01)	ND(0.0048)	ND(0.028) J	ND(0.0042)	ND(0.005)	ND(0.0057)		ND(0.0057)	ND(0.0057)	ND(0.0045)	ND(0.0046)	ND(0.0054) J	ND(0.0056)	ND(0.0062)	ND(0.0065)	ND(0.0065)	ND(0.0029)	ND(0.0065)				ND (0.097)
		20	TO-15	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025) J	0.047	0.13	0.028		0.039	0.019	ND(0.0042)	0.0063	0.0078 J	ND(0.0052)	0.0094	ND(0.0059)	0.0067	ND(0.0027)	ND(0.0059)				0.359
		25	TO-15	2.09	ND(0.023)	ND(0.023)	ND(0.0051) J	ND(0.0051)	ND(0.0042)	ND(0.008)	ND(0.0038)	ND(0.022) J	ND(0.0033)	ND(0.0039)	ND(0.0045) J		0.0074	ND(0.0045)	ND(0.0036)	ND(0.0037)	ND(0.0043) J	ND(0.0044)	ND(0.0049)	ND(0.0051)	0.0087	ND(0.0023)	0.0061				0.092
		30	TO-15	2.02	ND(0.022)	ND(0.022)	ND(0.005) J	ND(0.005)	ND(0.0041)	ND(0.0078)	ND(0.0036)	ND(0.021) J	ND(0.0032)	ND(0.0038)	ND(0.0044) J		ND(0.0044)	ND(0.0044)	ND(0.0035)	ND(0.0036)	ND(0.0041) J	ND(0.0043)	0.014	ND(0.005)	ND(0.005)	ND(0.0022)	ND(0.005)				0.086
		35	TO-15	2.47	ND(0.027)	ND(0.027)	ND(0.0061)	ND(0.0061)	ND(0.005) J	ND(0.0095)	ND(0.0044)	ND(0.026) J	ND(0.0039)	ND(0.0046)	ND(0.0054)		0.011	ND(0.0054)	ND(0.0042)	ND(0.0044)	ND(0.0051) J	ND(0.0053)	ND(0.0058)	0.016	0.0076	ND(0.0027)	0.0069				0.120
		40	TO-15	2.16	ND(0.024)	ND(0.024)	ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023) J	ND(0.0034)	0.012	ND(0.0047)		ND(0.0047)	ND(0.0047)	0.005	0.055	ND(0.0044) J	ND(0.0046)	ND(0.005)	0.014	ND(0.0053)	ND(0.0024)	ND(0.0053)				0.157
		45	TO-15	2.29	ND(0.025)	ND(0.025)	ND(0.0056)	0.028	ND(0.0046) J	ND(0.0088)	ND(0.0041)	ND(0.024) J	0.004	0.028	0.053		0.078	0.061	ND(0.0039)	ND(0.004)	ND(0.0047) J	ND(0.0049)	0.012	0.089	0.17	ND(0.0025)	0.11				0.692
		50	TO-15	2.64	ND(0.029)	ND(0.029)	ND(0.0065)	ND(0.0065)	ND(0.0053) J	ND(0.01)	ND(0.0048)	ND(0.028) J	ND(0.0042)	ND(0.005)	ND(0.0057)		0.0076	ND(0.0057)	ND(0.0045)	ND(0.0046)	ND(0.0054) J	ND(0.0056)	0.033	0.054	0.068	ND(0.0029)	0.012				0.256
		55	TO-15	129	ND(1.4)	ND(1.4)	ND(0.32)	ND(0.32)	ND(0.26)	ND(0.5)	ND(0.23)	ND(1.4) J	1.1	ND(0.24)	ND(0.28)		ND(0.28)	ND(0.28)	1.9 J	1.1 J	0.62 J	ND(0.27)	160 J	ND(0.32)	0.44 J	ND(0.14)	ND(0.32)				169.140

US EPA ARCHIVE DOCUMENT

TABLE 2-8a. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	TO Method	TO Dilution Factor	n-Butyl-benzene mg/m^3	sec-Butyl-benzene mg/m^3	Isopropyl-benzene mg/m^3	n-Propyl-benzene mg/m^3	1,2-Dichloro-ethane mg/m^3	1,2-Dibromo-ethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethyl-benzene mg/m^3	Total Xylenes mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclo-hexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	2,2,4-Trimethyl-pentane mg/m^3	1,3,5-Trimethyl-benzene mg/m^3	1,2,4-Trimethyl-benzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyl-toluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3	TVPH as gasoline mg/m^3
VW-96	Sep 2008	10	TO-15	2.29	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.014)	ND(0.018)	ND (0.10535)
		15	TO-15	2.58	ND(0.028)	ND(0.028)	ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0099)	ND(0.0046)	ND(0.027)	ND(0.0041)	ND(0.0049)	ND(0.0056)		ND(0.0056)	ND(0.0056)	ND(0.0044)	ND(0.0045)	ND(0.0053)	ND(0.0055)	ND(0.006)	ND(0.0063)	ND(0.0063)	ND(0.0028)	ND(0.0063)	ND(0.012)	ND(0.015)	ND(0.021)	ND (0.11825)
		20	TO-15	2.47	ND(0.027)	ND(0.027)	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0095)	ND(0.0044)	ND(0.026)	ND(0.0039)	ND(0.0046)	0.042		0.16	0.045	ND(0.0042)	ND(0.0044)	ND(0.0051)	ND(0.0053)	ND(0.0058)	0.0092	0.01	ND(0.0027)	ND(0.0061)	ND(0.012)	ND(0.014)	ND(0.02)	0.3658
		25	TO-15	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	0.028	ND(0.0039)	0.028	0.0063		0.05	0.022	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	0.0068	0.017	0.052	ND(0.0027)	0.029	ND(0.012)	ND(0.014)	ND(0.019)	0.31545
		30	TO-15	2.53	ND(0.028)	ND(0.028)	ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0097)	ND(0.0046)	ND(0.026)	ND(0.004)	ND(0.0048)	ND(0.0055)		ND(0.0055)	ND(0.0055)	ND(0.0044)	ND(0.0044)	ND(0.0052)	ND(0.0054)	0.0075	0.016	ND(0.0062)	ND(0.0028)	ND(0.0062)	ND(0.012)	ND(0.015)	ND(0.02)	0.13385
		35	TO-15	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	0.015	ND(0.0058)	ND(0.0026)	ND(0.0058)	ND(0.011)	ND(0.014)	ND(0.019)	0.1214
		40	TO-15	2.47	ND(0.027)	ND(0.027)	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0095)	ND(0.0044)	ND(0.026)	ND(0.0039)	ND(0.0046)	ND(0.0054)		ND(0.0054)	ND(0.0054)	ND(0.0042)	ND(0.0044)	ND(0.0051)	ND(0.0053)	ND(0.0058)	0.019	ND(0.0061)	ND(0.0027)	ND(0.0061)	ND(0.012)	ND(0.014)	ND(0.02)	0.12975
		45	TO-15	2.58	ND(0.028)	ND(0.028)	ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0099)	ND(0.0046)	ND(0.027)	ND(0.0041)	ND(0.0049)	ND(0.0056)		ND(0.0056)	ND(0.0056)	ND(0.0044)	ND(0.0045)	ND(0.0053)	ND(0.0055)	ND(0.006)	0.0099	0.0088	ND(0.0028)	ND(0.0063)	ND(0.012)	ND(0.015)	ND(0.021)	0.13065
		50	TO-15	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	ND(0.0038)	0.0083 JB	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	0.034	ND(0.0049)	ND(0.0051)	0.13	0.037	0.02	ND(0.0026)	ND(0.0058)	0.02 JB	0.022	ND(0.019)	0.35515
		55	TO-15	84.3	ND(9.2)	ND(9.2)	ND(2.1)	ND(2.1)	ND(1.7)	ND(3.2)	ND(1.5)	ND(8.8)	ND(1.3)	ND(1.6)	ND(1.8)		ND(1.8)	ND(1.8)	90	120	39	ND(1.8)	640	ND(2.1)	ND(2.1)	ND(0.93)	ND(2.1)	21	230	150	1317.565
		60	TO-15	2.42	ND(26)	ND(26)	16	32	ND(4.9)	ND(9.3)	ND(4.4)	ND(25)	23	ND(4.6)	62		88	ND(5.2)	740	1700	780	ND(5.2)	2500	12	75	ND(2.7)	25	100	1400	1600	9209.65
	Dec 2008	10	TO-15	5.6	ND(0.61)	ND(0.61)	ND(0.14)	ND(0.14)	ND(0.11)	ND(0.22)	ND(0.1)	ND(0.59)	ND(0.089)	ND(0.1)	ND(0.12)		ND(0.12)	ND(0.12)	ND(0.096)	0.11	ND(0.11)	ND(0.12)	84	ND(0.14)	ND(0.14)	ND(0.062)	ND(0.14)	1.2	6.4	ND(0.45)	93.8735
		15	TO-15	7.77	ND(0.85)	ND(0.85)	ND(0.19)	ND(0.19)	ND(0.16)	ND(0.3)	ND(0.14)	ND(0.81)	ND(0.12)	ND(0.15)	ND(0.17)		ND(0.17)	ND(0.17)	ND(0.13)	0.18	ND(0.16)	ND(0.16)	120	ND(0.19)	ND(0.19)	ND(0.086)	ND(0.19)	3.2	12	ND(0.62)	138.378
		20	TO-15	7.47	ND(0.82)	ND(0.82)	ND(0.18)	ND(0.18)	ND(0.15)	ND(0.29)	ND(0.13)	ND(0.78)	ND(0.12)	ND(0.14)	ND(0.16)		ND(0.16)	ND(0.16)	ND(0.13)	ND(0.13)	ND(0.15)	ND(0.16)	110	ND(0.18)	ND(0.18)	ND(0.083)	ND(0.18)	3.1	14	ND(0.6)	130.0415
		25	TO-15	8.2	ND(0.9)	ND(0.9)	ND(0.2)	ND(0.2)	ND(0.16)	ND(0.32)	ND(0.15)	ND(0.86)	ND(0.13)	ND(0.15)	ND(0.18)		ND(0.18)	ND(0.18)	ND(0.14)	ND(0.14)	ND(0.17)	ND(0.17)	170	ND(0.2)	ND(0.2)	ND(0.091)	ND(0.2)	6.8	28	ND(0.66)	208.0405
		30	TO-15	17.4	ND(1.9)	ND(1.9)	ND(0.43)	ND(0.43)	ND(0.35)	ND(0.67)	ND(0.31)	ND(1.8)	ND(0.28)	ND(0.33)	ND(0.38)		ND(0.38)	ND(0.38)	ND(0.3)	0.31	ND(0.36)	ND(0.37)	220	ND(0.43)	ND(0.43)	ND(0.19)	ND(0.43)	11	41	ND(1.4)	279.035
		35	TO-15	18.3	ND(2)	ND(2)	ND(0.45)	ND(0.45)	ND(0.37)	ND(0.7)	ND(0.33)	ND(1.9)	ND(0.29)	ND(0.34)	ND(0.4)		ND(0.4)	ND(0.4)	ND(0.31)	ND(0.32)	ND(0.37)	ND(0.39)	230	ND(0.45)	ND(0.45)	ND(0.2)	ND(0.45)	9.8	44	ND(1.5)	291.035
		40	TO-15	23.3	ND(2.6)	ND(2.6)	ND(0.57)	ND(0.57)	ND(0.47)	ND(0.9)	ND(0.42)	ND(2.4)	ND(0.37)	ND(0.44)	ND(0.5)		ND(0.5)	ND(0.5)	ND(0.4)	0.7	ND(0.48)	ND(0.5)	420	ND(0.57)	ND(0.57)	ND(0.26)	ND(0.57)	16	85	ND(1.9)	530.745
		45	TO-15	34.6	ND(3.8)	ND(3.8)	ND(0.85)	ND(0.85)	ND(0.7)	ND(1.3)	ND(0.62)	ND(3.6)	ND(0.55)	ND(0.65)	ND(0.75)		ND(0.75)	ND(0.75)	5.9	9.3	ND(0.71)	ND(0.74)	580	ND(0.85)	ND(0.85)	ND(0.38)	ND(0.85)	21	130	8.1	765.975
		50	TO-15	106	ND(12)	ND(12)	ND(2.6)	ND(2.6)	ND(2.1)	ND(4.1)	ND(1.9)	ND(11)	ND(1.7)	ND(2)	ND(2.3)		ND(2.3)	ND(2.3)	72	82	21	ND(2.2)	1200	ND(2.6)	ND(2.6)	ND(1.2)	ND(2.6)	38	360	170	1978.05
		50 Dup	TO-15	108	ND(12)	ND(12)	ND(2.6)	ND(2.6)	ND(2.2)	ND(4.1)	ND(1.9)	ND(11)	ND(1.7)	ND(2)	ND(2.3)		ND(2.3)	ND(2.3)	73	84	20	ND(2.3)	1200	ND(2.6)	ND(2.6)	ND(1.2)	ND(2.6)	41	360	160	1973.15
		55	TO-15	104	ND(11)	ND(11)	ND(2.6)	ND(2.6)	ND(2.1)	ND(4)	ND(1.9)	ND(11)	ND(1.7)	ND(2)	ND(2.2)		ND(2.2)	ND(2.2)	150	180	75	ND(2.2)	1200	ND(2.6)	ND(2.6)	ND(1.2)	ND(2.6)	46	440	340	2464.85
		60	TO-15	220	ND(24)	ND(24)	15	29	ND(4.4)	ND(8.4)	ND(4)	ND(23)	22	ND(4.1)	13		51	ND(4.8)	560	1100	890	ND(4.7)	2600	6.7	50	ND(2.4)	18	56	570	1600	7632.6
	Mar 2009	10 Dup	TO-15	21	ND(2.3)	ND(2.3)	ND(0.52)	ND(0.52)	ND(0.42)	ND(0.81)	ND(0.38)	ND(2.2)	ND(0.34)	ND(0.4)	ND(0.46)		ND(0.46)	ND(0.46)	ND(0.36)	ND(0.37)	ND(0.43)	ND(0.45)	280	ND(0.52)	ND(0.52)	ND(0.23)	ND(0.52)	1.1	8.1	ND(1.7)	297.535
		10	TO-15	25.2	ND(2.8)	ND(2.8)	ND(0.62)	ND(0.62)	ND(0.51)	ND(0.97)	ND(0.45)	ND(2.6)	ND(0.4)	ND(0.47)	ND(0.55)		ND(0.55)	ND(0.55)	ND(0.43)	ND(0.44)	ND(0.52)	ND(0.54)	280	ND(0.62)	ND(0.62)	ND(0.28)	ND(0.62)	ND(1.2)	7.9	ND(2)	298.48
		15	TO-15	7.62	ND(0.84)	ND(0.84)	ND(0.19)	ND(0.19)	ND(0.15)	ND(0.29)	ND(0.14)	ND(0.8)	ND(0.12)	ND(0.14)	ND(0.16)		ND(0.16)	ND(0.16)	ND(0.13)	ND(0.13)	ND(0.16)	ND(0.16)	110	ND(0.19)	ND(0.19)	ND(0.084)	ND(0.19)	ND(0.36)	1.3	ND(0.61)	114.492
		20	TO-15	2.64	ND(0.29)	ND(0.29)	ND(0.065)	ND(0.065)	ND(0.053)	ND(0.1)	ND(0.048)	ND(0.28)	ND(0.042)	ND(0.05)	ND(0.057)		ND(0.057)	ND(0.057)	ND(0.045)	ND(0.046)	ND(0.054)	ND(0.056)	26	ND(0.065)	ND(0.065)	ND(0.029)	ND(0.065)	ND(0.12)	ND(0.16)	ND(0.21)	27.1845
		25	TO-15	24.2	ND(2.6)	ND(2.6)	ND(0.59)	ND(0.59)	ND(0.49)	ND(0.93)	ND(0.44)	ND(2.5)	ND(0.39)	ND(0.46)	ND(0.52)		ND(0.52)	ND(0.52)	ND(0.42)	ND(0.43)	ND(0.5)	ND(0.52)	520	ND(0.59)	ND(0.59)	ND(0.27)	ND(0.59)	ND(1.2)	ND(1.4)	ND(1.9)	530.78
		30	TO-15	48.4	ND(5.3)	ND(5.3)	ND(1.2)	ND(1.2)	ND(0.98)	ND(1.8)	ND(0.87)	ND(5.1)	ND(0.77)	ND(0.91)	ND(1)		ND(1)	ND(1)	ND(0.83)	ND(0.85)	ND(0.99)	ND(1)	660	ND(1.2)	ND(1.2)	ND(0.54)	ND(1.2)	5	16	ND(3.9)	700.07
		35	TO-15	86.2	ND(9.5)	ND(9.5)	ND(2.1)	ND(2.1)	ND(1.7)	ND(3.3)	ND(1.6)	ND(9)	ND(1.4)	ND(1.6)	ND(1.9)		ND(1.9)	ND(1.9)	ND(1.5)	ND(1.5)	ND(1.8)	ND(1.8)	900	ND(2.1)	ND(2.1)	ND(0.95)	ND(2.1)	9.4	60	ND(6.9)	1003.525
		40	TO-15	44	ND(4.8)	ND(4.8)	ND(1.1)	ND(1.1)	ND(0.89)	ND(1.7)	ND(0.79)	ND(4.6)	ND(0.7)	ND(0.83)	ND(0.96)		ND(0.96)	ND(0.96)	3.4	ND(0.78)	ND(0.9)	ND(0.94)	940	ND(1.1)	ND(1.1)	ND(0.49)	ND(1.1)	19	200	ND(3.5)	1179.45
		45	TO-15	74.7	ND(8.2)	ND(8.2)	ND(1.8)	ND(1.8)	ND(1.5)	ND(2.9)	ND(1.3)	ND(7.8)	ND(1.2)	ND(1.4)	ND(1.6)		ND(1.6)	ND(1.6)	28	4.6	ND(1.5)	ND(1.6)	1100	ND(1.8)	ND(1.8)	ND(0.83)	ND(1.8)	29	350	49	1585.715
		50	TO-15	77.7	ND(8.5)	ND(8.5)	ND(1.9)	ND(1.9)	ND(1.6)	ND(3)	ND(1.4)	ND(8.1)	1.8	ND(1.5)	ND(1.7)		ND(1.7)	ND(1.7)	130	30	3.8	ND(1.6)	1300	ND(1.9)	ND(1.9)	ND(0.86)	ND(1.9)	64	920	280	2754.43
		55	TO-15	92	ND(10)	ND(10)	ND(2.3)	ND(2.3)	ND(1.9)	ND(3.5)	ND(1.6)	ND(9.6)	1.5	ND(1.7)	ND(2)		ND(2)	ND(2)	170	51	15	ND(2)	1200	ND(2.3)	ND(2.3)	ND(1)	ND(2.3)	67	940	340	2813.9
	Sep/Oct 2009	10	TO-15	229	ND(25)	ND(25)	ND(5.6)	ND(5.6)	ND(4.6)	ND(8.8)	ND(4.1)	ND(24)	ND(3.6)	ND(4.3)	ND(5)		ND(5)	ND(5)	27	17	ND(4.7)	ND(4.9)	730	ND(5.6)	ND(5.6)	ND(2.5)	ND(5.6)	49	470	43	1413.25
		15	TO-15	242	ND(26)	ND(26)	ND(5.9)	ND(5.9)	ND(4.9)	ND(9.3)	ND(4.4)	ND(25)	ND(3.9)	ND(4.6)	ND(5.2)		ND(5.2)	ND(5.2)	6.8	4.4	ND(5)	ND(5.2)	650	ND(5.9)	ND(5.9)	ND(2.7)	ND(5.9)	22	190	ND(19)	963.75
		20	TO-15	238	ND(26)	ND(26)	ND(5.8)	ND(5.8)	ND(4.8)	ND(9.1)	ND(4.3)	ND(25)	ND(3.8)	ND(4.5)	ND(5.2)		ND(5.2)	ND(5.2)	ND(4.1)	ND(4.2)	ND(4.9)	ND(5.1)	750	ND(5.8)	ND(5.8)	ND(2.6)	ND(5.8)	14	82	ND(19)	940
		25	TO-15	276	ND(30)	ND(30)	ND(6.8)	ND(6.8)	ND(5.6)	ND(11)	ND(5)	ND(29)	ND(4.4)	ND(5.2)	ND(6)		ND(6)	ND(6)	ND(4.8)	ND(4.9)	ND(5.6)	ND(5.9)	1200	ND(6.8)	ND(6.8)	ND(3)	ND(6.8)	37	300	ND(22)	1646.2
		30	TO-15	448	ND(49)	ND(49)	ND(11)	ND(11)	ND(9.1)	ND(17)	ND(8.1)	ND(47)	ND(7.2)	ND(8.4)	ND(9.7)		ND(9.7)	ND(9.7)	15	9.4	ND(9.2)	ND(9.5)	1300	ND(11)	ND(11)	ND(5)	ND(11)	98	890	ND(36)	2481.7
		35	TO-15	432	ND(47)	ND(47)	ND(11)	ND(11)	ND(8.7)	ND(16)	ND(7.8)	ND(45)	ND(6.9)	ND(8.1)	ND(9.4)		ND(9.4)	ND(9.4)	34	17	ND(8.8)	ND(9.2)	1400	ND(11)	ND(11)	ND(4.8)	ND(11)	130	1200	44	2971.25
		35 Dup	TO-15	432	ND(47)	ND(47)	ND(11)	ND(11)	ND(8.7)	ND(16)	ND(7.8)	ND(45)	ND(6.9)	ND(8.1)	ND(9.4)		ND(9.4)	ND(9.4)	31	16	ND(8.8)	ND(9.2)	1300	ND(11)	ND(11)	ND(4.8)	ND(11)	120	1100	42	2755.25
		40	TO-15	710	ND(78)	ND(78)	ND(17)	ND(17)	ND(14)	ND(27)	ND(13)	ND(74)	ND(11)	ND(13)	ND(15)		ND(15)	ND(15)	68	38	ND(14)	ND(15)	1200	ND(17)	ND(17)	ND(7.8)	ND(17)	130	1200	93	2966.4
		45	TO-15	611	ND(67)	ND(67)	ND(15)	ND(15)	ND(12)	ND(23)	ND(11)	ND(64)	ND(9.8)	ND(12)	ND(13)		ND(13)	ND(13)	180	120	ND(12)	ND(13)	1700	ND(15)	ND(15)	ND(6.8)	ND(15)	190	1800	340	4535.8
		50	TO-15	763	ND(84)	ND(84)	ND(19)	ND(19)	ND(15)	ND(29)	ND(14)	ND(80)	ND(12)	ND(14)	ND(16)		ND(16)	ND(16)	220	180	22	ND(16)	1200	ND(19)	ND(19)	ND(8.4)	ND(19)	170	1600	400	4041.7
		55	TO-15	763	ND(84)	ND(84)	ND(19)	ND(19)	ND(15)	ND(29)	ND(14)	ND(80)	ND(12)	ND(14)	ND(16)		ND(16)	ND(16)	310	360	90	ND(16)	1500	ND(19)	ND(19)	ND(8.4)	ND(19)	210	1900	600	5219.7
		60	TO-15	763	ND(84)	ND(84)	ND(19)	32	ND(15)	ND(29)	ND(14)	ND(80)	50	ND(14)	35		ND(16)	ND(16)	590	900	450	ND(16)	2200	ND(19)	ND(19)	ND(8.4)	ND(19)	220	2200	1500	8403.2

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TABLE 2-8a. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	TO Method	TO Dilution Factor	n-Butyl-benzene mg/m^3	sec-Butyl-benzene mg/m^3	Isopropyl-benzene mg/m^3	n-Propyl-benzene mg/m^3	1,2-Dichloro-ethane mg/m^3	1,2-Dibromo-ethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethyl-benzene mg/m^3	Total Xylenes mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclo-hexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	2,2,4-Trimethyl-pentane mg/m^3	1,3,5-Trimethyl-benzene mg/m^3	1,2,4-Trimethyl-benzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyl-toluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3	TVPH as gasoline mg/m^3
VW-99A	Mar 2005	5	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)				ND (0.057)
		10	TO-15	2.29			ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)				ND (0.059)
	Apr 2008	5	TO-15	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025) J	0.01	0.021 J	ND(0.0052)		ND(0.0052) J	ND(0.0052) J	ND(0.0042)	ND(0.0043) J	ND(0.005) J	ND(0.0052)	ND(0.0056) J	ND(0.0059) J	ND(0.0059) J	ND(0.0027)	ND(0.0059) J				0.115
		5 Dup	TO-15	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	0.0071	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025) J	ND(0.0038)	0.013	0.01		0.045 J	0.02 J	0.0046	0.012 J	0.026 J	ND(0.0051)	0.025 J	0.016 J	0.051 J	ND(0.0026)	0.034 J				0.320
		10	TO-15	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025) J	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049) J	ND(0.0051)	ND(0.0056)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)				ND (0.087)
	Sep 2008	5	TO-15	2.2	ND(0.024)	ND(0.024)	ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	0.0089	0.0087	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024) UJ	ND(0.0054)	0.014 JB	ND(0.013)	ND(0.018)	0.1235
		10	TO-15	2.2	ND(0.024)	ND(0.024)	ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024) UJ	ND(0.0054)	ND(0.01)	ND(0.013)	ND(0.018)	ND(0.1011)
	Dec 2008	5	TO-15	2.2	ND(0.024)	ND(0.024)	ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)	ND(0.01)	ND(0.013)	ND(0.018)	ND(0.1011)
	Sep/Oct 2009	5	TO-15	89.6	ND(9.8)	ND(9.8)	ND(2.2)	ND(2.2)	ND(1.8)	ND(3.4)	ND(1.6)	ND(9.4)	ND(1.4)	ND(1.7)	ND(1.9)		ND(1.9)	ND(1.9)	5.5	ND(1.6)	ND(1.8)	ND(1.9)	380	ND(2.2)	ND(2.2)	ND(0.99)	ND(2.2)	ND(4.2)	74	ND(7.2)	496.145
VW-99	Dec 1997	10	TO-3										0.55	0.18	0.33	0.94															180 C
		15	TO-3										ND(0.035)	ND(0.035)	0.060 J	0.26															40 C
		20	TO-3										ND(0.035)	ND(0.035)	ND(0.047)	0.060 J															15 C
		25	TO-3										ND(0.035)	ND(0.035)	ND(0.047)	ND(0.047)															14 C
		30	TO-3										ND(0.035)	0.18	0.074 J	0.28															100 C
		35	TO-3										ND(7.1)	12 JB	ND(9.4)	15 J															24000 C
		40	TO-14										44	0.77J	9.1	38								6.4	15		9.7				
		45	TO-3										150	58 JB	ND(47)	120 J															97000 C
		45 Dup	TO-3										160	49 JB	ND(47)	130 J															100000 C
		50	TO-3										460	150 JB	270 J	650															190000 C
		50 SS	TO-3										480	160 JB	ND(94)	670															200000 C
		55	TO-3										680	160 JB	400	810															230000 C
		55 Dup	TO-3										720	190 JB	410	1000															220000 C
		60	TO-3										880	180 JB	560	1100															280000 C
		60 SS	TO-3										970	250 JB	630	1100															290000 C
	Mar 1998	10																													0
		40																													52000
		50																													154000
	Jul 1998	10																													40
		15																													7
		20																													7
		25																													6
		30																													20
		35																													23860
		40																													53620
		45																													106880
		50																													144110
		55																													172090
	Dec 1998	15	TO-3										ND(0.003)	0.0068 J	ND(0.004)	ND(0.004)															0.443 B
		35	TO-3										41.5	9.02 J	ND	6.51 J															11184 B
		50	TO-3										1021	161.7	191	403.6															125820 B
		60	TO-3										1978	308M	447	781															195720 B
	Feb 1999	15	TO-3										ND	0.0064 J	ND	0.0074 J															0.979 B
		35	TO-3										131	45.12 M	14.76 J	26.47 J															55920 B
		50	TO-3										1180 M	169	217	434															153780 B
		55	TO-3										1946 M	361 M	651	1345 J															200380 B

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TABLE 2-8a. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	TO Method	TO Dilution Factor	n-Butyl-benzene mg/m^3	sec-Butyl-benzene mg/m^3	Isopropyl-benzene mg/m^3	n-Propyl-benzene mg/m^3	1,2-Dichloro-ethane mg/m^3	1,2-Dibromo-ethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethyl-benzene mg/m^3	Total Xylenes mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclo-hexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	2,2,4-Trimethyl-pentane mg/m^3	1,3,5-Trimethyl-benzene mg/m^3	1,2,4-Trimethyl-benzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyl-toluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3	TVPH as gasoline mg/m^3
VW-99	Mar 2005	10	TO-15	1.55			ND(0.0038)	ND(0.0038)	ND(0.0031)	ND(0.006)	ND(0.0028)	ND(0.016)	ND(0.0025)	ND(0.0029)	ND(0.0034)		ND(0.0034)	ND(0.0034)	ND(0.0027)	ND(0.0027)	ND(0.0032)	ND(0.0033)	0.011	ND(0.0038)	ND(0.0038)	ND(0.0017)	ND(0.0038)				0.049
		15	TO-15	1.46			ND(0.0036)	ND(0.0036)	ND(0.003)	ND(0.0056)	ND(0.0026)	ND(0.015)	ND(0.0023)	ND(0.0028)	ND(0.0032)		ND(0.0032)	ND(0.0032)	ND(0.0025)	ND(0.0026)	ND(0.003)	ND(0.0031)	ND(0.0034)	ND(0.0036)	ND(0.0036)	ND(0.0016)	ND(0.0036)				ND (0.038)
		20	TO-15	1.55			ND(0.0038)	ND(0.0038)	ND(0.0031)	ND(0.006)	ND(0.0028)	ND(0.016)	ND(0.0025)	ND(0.0029)	ND(0.0034)		ND(0.0034)	ND(0.0034)	ND(0.0027)	ND(0.0027)	ND(0.0032)	ND(0.0033)	ND(0.0036)	ND(0.0038)	ND(0.0038)	ND(0.0017)	ND(0.0038)				ND (0.040)
		25	TO-15	1.52			ND(0.0037)	ND(0.0037)	ND(0.0031)	ND(0.0058)	ND(0.0027)	ND(0.016)	ND(0.0024)	ND(0.0029)	ND(0.0033)		ND(0.0033)	ND(0.0033)	ND(0.0026)	ND(0.0027)	ND(0.0031)	ND(0.0032)	ND(0.0036)	ND(0.0037)	ND(0.0037)	ND(0.0017)	ND(0.0037)				ND (0.039)
		30	TO-15	1.55			ND(0.0038)	ND(0.0038)	ND(0.0031)	ND(0.006)	ND(0.0028)	ND(0.016)	0.039	0.026	0.0045		0.019	0.0055	0.015	0.058	0.025	ND(0.0033)	0.12	ND(0.0038)	0.0054	ND(0.0017)	0.0078				0.347
		35	TO-15	1.61			ND(0.004)	ND(0.004)	ND(0.0032)	ND(0.0062)	ND(0.0029)	ND(0.017)	ND(0.0026)	ND(0.003)	ND(0.0035)		ND(0.0035)	ND(0.0035)	ND(0.0028)	ND(0.0028)	ND(0.0033)	ND(0.0034)	0.18	ND(0.004)	ND(0.004)	ND(0.0018)	ND(0.004)				0.220
		40	TO-15	52.8			ND(0.13)	ND(0.13)	ND(0.11)	ND(0.2)	ND(0.095)	ND(0.55)	ND(0.084)	ND(0.099)	ND(0.11)		ND(0.11)	ND(0.11)	ND(0.091)	ND(0.093)	ND(0.11)	ND(0.11)	47	ND(0.13)	ND(0.13)	ND(0.058)	ND(0.13)				48.29
		45	TO-15	242			ND(0.59)	ND(0.59)	ND(0.49)	ND(0.93)	ND(0.44)	ND(2.5)	ND(0.39)	ND(0.46)	ND(0.52)		ND(0.52)	ND(0.52)	ND(0.42)	ND(0.43)	ND(0.5)	ND(0.52)	92	ND(0.59)	ND(0.59)	ND(0.27)	ND(0.59)				97.93
		45 Dup	TO-15	229			ND(0.56)	ND(0.56)	ND(0.46)	ND(0.88)	ND(0.41)	ND(2.4)	ND(0.36)	ND(0.43)	ND(0.5)		ND(0.5)	ND(0.5)	ND(0.39)	ND(0.4)	ND(0.47)	ND(0.49)	92	ND(0.56)	ND(0.56)	ND(0.25)	ND(0.56)				97.62
		50	TO-15	1010			ND(2.5)	ND(2.5)	ND(2)	ND(3.9)	ND(1.8)	ND(11)	ND(1.6)	ND(1.9)	ND(2.2)		ND(2.2)	ND(2.2)	ND(1.7)	2.7	ND(2.1)	ND(2.2)	460	ND(2.5)	ND(2.5)	ND(1.1)	ND(2.5)				486.90
		55	TO-15	1550			ND(3.8)	ND(3.8)	ND(3.1)	ND(6)	ND(2.8)	ND(16)	ND(2.5)	ND(2.9)	ND(3.4)		ND(3.4)	ND(3.4)	130	180	31	ND(3.3)	1000	ND(3.8)	ND(3.8)	ND(1.7)	ND(3.8)				1374.75
	Sep 2005	10	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	0.0081	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)				0.062
		15	TO-15	2.16			ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)				ND (0.056)
		20	TO-15	2.24			ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)				ND (0.057)
		25	TO-15	2.24			ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		0.0063	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	0.0055	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)				0.064
		30	TO-15	2.29			ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)				ND (0.059)
		35	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)				ND (0.057)
		40	TO-15	22.4			ND(0.055)	ND(0.055)	ND(0.045)	ND(0.086)	ND(0.04)	ND(0.23)	ND(0.036)	ND(0.042)	ND(0.049)		ND(0.049)	ND(0.049)	ND(0.038)	ND(0.039)	ND(0.046)	ND(0.048)	12	ND(0.055)	ND(0.055)	ND(0.025)	ND(0.055)				12.55
		45	TO-15	440			ND(1.1)	ND(1.1)	ND(0.89)	ND(1.7)	ND(0.79)	ND(4.6)	ND(0.7)	ND(0.83)	ND(0.96)		ND(0.96)	ND(0.96)	ND(0.76)	ND(0.78)	ND(0.9)	ND(0.94)	330	ND(1.1)	ND(1.1)	ND(0.49)	ND(1.1)				340.88
		50	TO-15	2160			ND(5.3)	ND(5.3)	ND(4.4)	ND(8.3)	ND(3.9)	ND(23)	ND(3.4)	ND(4.1)	ND(4.7)		ND(4.7)	ND(4.7)	68	46	ND(4.4)	ND(4.6)	970	ND(5.3)	ND(5.3)	ND(2.4)	ND(5.3)				1133.55
		50 Dup	TO-15	2330			ND(5.7)	ND(5.7)	ND(4.7)	ND(9)	ND(4.2)	ND(24)	ND(3.7)	ND(4.4)	ND(5)		ND(5)	ND(5)	71	51	ND(4.8)	ND(5)	1000	ND(5.7)	ND(5.7)	ND(2.6)	ND(5.7)				1174.95
		55	TO-15	4400			ND(11)	ND(11)	ND(8.9)	ND(17)	ND(7.9)	ND(46)	ND(7)	ND(8.3)	ND(9.6)		ND(9.6)	ND(9.6)	350	370	190	ND(9.4)	2100	ND(11)	ND(11)	ND(4.9)	ND(11)				3106.60
		60	TO-15	2240			5.5	11	ND(4.5)	ND(8.6)	ND(4)	ND(23)	ND(3.6)	ND(4.2)	56		140	ND(4.9)	260	330	250	ND(4.8)	1200	31	68	ND(2.5)	26				2407.55
	Oct 2005	20	TO-15	2.09			ND(0.0051)	ND(0.0051)	ND(0.0042)	ND(0.008)	ND(0.0038)	ND(0.022)	ND(0.0033)	ND(0.0039)	ND(0.0045)		0.016	ND(0.0045)	ND(0.0036)	ND(0.0037)	ND(0.0043)	ND(0.0044)	ND(0.0049)	0.0063	0.01	ND(0.0023)	0.01				0.086
		25	TO-15	2.05			ND(0.005)	ND(0.005)	ND(0.0041)	ND(0.0079)	ND(0.0037)	ND(0.021)	ND(0.0033)	ND(0.0039)	ND(0.0044)		ND(0.0044)	ND(0.0044)	ND(0.0035)	ND(0.0036)	ND(0.0042)	ND(0.0044)	ND(0.0048)	ND(0.005)	ND(0.005)	ND(0.0023)	ND(0.005)				ND (0.052)
		30	TO-15	2.13			ND(0.0052)	ND(0.0052)	ND(0.0043)	ND(0.0082)	ND(0.0038)	ND(0.022)	ND(0.0034)	ND(0.004)	ND(0.0046)		ND(0.0046)	ND(0.0046)	ND(0.0037)	0.0038	ND(0.0044)	ND(0.0045)	ND(0.005)	ND(0.0052)	ND(0.0052)	ND(0.0024)	ND(0.0052)				0.057
		35	TO-15	2.16			ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)				ND (0.056)
		40	TO-15	3.46			ND(0.0051)	ND(0.0051)	ND(0.0042)	ND(0.008)	ND(0.0038)	ND(0.022)	ND(0.0033)	ND(0.0039)	ND(0.0045)		ND(0.0045)	ND(0.0045)	ND(0.0036)	ND(0.0037)	ND(0.0043)	ND(0.0044)	0.023	ND(0.0051)	ND(0.0051)	ND(0.0023)	ND(0.0051)				0.074
		50	TO-15	2.09			ND(0.0051)	ND(0.0051)	ND(0.0042)	ND(0.008)	ND(0.0038)	ND(0.022)	ND(0.0033)	ND(0.0039)	ND(0.0045)		ND(0.0045)	ND(0.0045)	0.0056	ND(0.0037)	ND(0.0043)	ND(0.0044)	0.022	0.0084	0.0062	ND(0.0023)	ND(0.0051)				0.087
		60	TO-15	1080			ND(2.6)	ND(2.6)	ND(2.1)	ND(4.1)	ND(1.9)	ND(11)	ND(1.7)	6.1	11		57	2.7	200	190	170	ND(2.2)	950	18	16	ND(1.2)	7.8				1643.3
	Jun/Jul 2006	10	TO-15	2.24			ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)				ND (0.057)
		20	TO-15	2.29			ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)				ND (0.059)
		30	TO-15	2.42			ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)				ND (0.062)
		40	TO-15	2.76			ND(0.0068)	ND(0.0068)	ND(0.0056)	ND(0.011)	ND(0.005)	ND(0.029)	ND(0.0044)	ND(0.0052)	ND(0.006)		ND(0.006)	ND(0.006)	ND(0.0048)	ND(0.0049)	ND(0.0056)	ND(0.0059)	0.0086	ND(0.0068)	ND(0.0068)	ND(0.003)	ND(0.0068)				0.077
		50	TO-15	1080			ND(2.6)	ND(2.6)	ND(2.2)	ND(4.1)	ND(1.9)	ND(11)	ND(1.7)	ND(2)	ND(2.3)		ND(2.3)	ND(2.3)	39	28	13	ND(2.3)	560	ND(2.6)	ND(2.6)	ND(1.2)	ND(2.6)				663.15
		50 Dup	TO-15	952			ND(2.3)	ND(2.3)	ND(1.9)	ND(3.6)	ND(1.7)	ND(10)	ND(1.5)	ND(1.8)	ND(2.1)		ND(2.1)	ND(2.1)	44	30	13	ND(2)	610	ND(2.3)	ND(2.3)	ND(1)	ND(2.3)				717.65
		60	TO-15	2.38			ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	0.0086	ND(0.0042)	ND(0.0049)	ND(0.0051)	0.042	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)				0.107
	Nov/Dec 2006	10	TO-15	2.2			ND(0.0054)	ND(0.0054)				ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)		ND(0.0039)			ND(0.0051)	ND(0.0054)	ND(0.0054)						ND (0.038)
		15	TO-15	2.2			ND(0.0054)	ND(0.0054)				ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)		ND(0.0039)			ND(0.0051)	ND(0.0054)	ND(0.0054)						ND (0.038)
		20	TO-15	2.38			ND(0.0058)	ND(0.0058)				ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)		ND(0.0042)			ND(0.0056)	ND(0.0058)	ND(0.0058)						ND (0.041)
		20 Dup	TO-15	2.16			ND(0.0053)	ND(0.0053)				ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)		ND(0.0038)			ND(0.005)	ND(0.0053)	ND(0.0053)						ND (0.037)
		25	TO-15	2.13			ND(0.0052)	ND(0.0052)				ND(0.022)	ND(0.0034)	ND(0.004)	ND(0.0046)		ND(0.0046)	ND(0.0046)		ND(0.0038)			ND(0.005)	ND(0.0052)	ND(0.0052)						ND (0.036)
		30	TO-15	2.42			ND(0.0059)	ND(0.0059)				ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)		ND(0.0043)			ND(0.0056)	ND(0.0059)	ND(0.0059)						ND (0.041)
		35	TO-15	2.2			ND(0.0054)	ND(0.0054)				ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)		ND(0.0039)			ND(0.0051)	ND(0.0054)	ND(0.0054)						ND (0.038)
		40	TO-15	2.53			ND(0.0062)	ND(0.0062)				ND(0.026)	ND(0.004)	ND(0.0048)	ND(0.0055)		ND(0.0055)	ND(0.0055)		ND(0.0044)			ND(0.0059)	ND(0.0062)	ND(0.0062)						ND (0.043)
		45	TO-15	2.29			ND(0.0056)	ND(0.0056)				ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)		ND(0.004)			ND(0.0053)	ND(0.0056)	ND(0.0056)						ND (0.039)
		50	TO-15	418			ND(1)	ND(1)				ND(4.4)	ND(0.67)	ND(0.79)	ND(0.91)		ND(0.91)	ND(0.91)		ND(0.74)			190	ND(1)	ND(1)						196.67
		55	TO-15	852			ND(2.1)	ND(2.1)				ND(8.9)	ND(1.4)	ND(1.6)	ND(1.8)		ND(1.8)	ND(1.8)		78			800	ND(2.1)	ND(2.1)						890.85

US EPA ARCHIVE DOCUMENT

TABLE 2-8a. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	TO Method	TO Dilution Factor	n-Butyl-benzene mg/m^3	sec-Butyl-benzene mg/m^3	Isopropyl-benzene mg/m^3	n-Propyl-benzene mg/m^3	1,2-Dichloro-ethane mg/m^3	1,2-Dibromo-ethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethyl-benzene mg/m^3	Total Xylenes mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclo-hexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	2,2,4-Trimethyl-pentane mg/m^3	1,3,5-Trimethyl-benzene mg/m^3	1,2,4-Trimethyl-benzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyl-toluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3	TVPH as gasoline mg/m^3
VW-99	Jun/Jul 2007	10	TO-15	2.42			ND(0.0059)	ND(0.0059)				ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)		ND(0.0043)			ND(0.0056)	ND(0.0059)	ND(0.0059)						ND (0.041)
		15	TO-15	2.33			ND(0.0057)	ND(0.0057)				ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)		ND(0.0041)			ND(0.0054)	ND(0.0057)	ND(0.0057)						ND (0.040)
		20	TO-15	2.53			ND(0.0062)	ND(0.0062)				ND(0.026)	ND(0.004)	ND(0.0048)	ND(0.0055)		ND(0.0055)	ND(0.0055)		ND(0.0044)			ND(0.0059)	ND(0.0062)	ND(0.0062)						ND (0.043)
		25	TO-15	2.38			ND(0.0058)	ND(0.0058)				ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)		ND(0.0042)			ND(0.0056)	ND(0.0058)	ND(0.0058)						ND (0.041)
		30	TO-15	2.29			ND(0.0056)	ND(0.0056)				ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)		ND(0.004)			ND(0.0053)	ND(0.0056)	ND(0.0056)						ND (0.039)
		35	TO-15	233			ND(0.57)	ND(0.57)				ND(2.4)	ND(0.37)	ND(0.44)	ND(0.5)		ND(0.5)	ND(0.5)		ND(0.41)			250 E	ND(0.57)	ND(0.57)						253.70
		35 Dup	TO-15	466			ND(1.1)	ND(1.1)				ND(4.9)	ND(0.74)	ND(0.88)	ND(1)		ND(1)	ND(1)		ND(0.82)			220	ND(1.1)	ND(1.1)						227.37
		40	TO-15	484			ND(1.2)	ND(1.2)				ND(5.1)	ND(0.77)	ND(0.91)	ND(1)		ND(1)	ND(1)		ND(0.85)			510 E	ND(1.2)	ND(1.2)						517.72
		45	TO-15	432			ND(1.1)	ND(1.1)				ND(4.5)	ND(0.69)	ND(0.81)	ND(0.94)		ND(0.94)	ND(0.94)		3.3 J			670 E	ND(1.1)	ND(1.1)						679.91
		45 Dup	TO-15	968			ND(2.4)	ND(2.4)				ND(10)	ND(1.5)	ND(1.8)	ND(2.1)		ND(2.1)	ND(2.1)		7.2 J			670	ND(2.4)	ND(2.4)						691.80
		50	TO-15	1830			ND(4.5)	ND(4.5)				ND(19)	ND(2.9)	ND(3.4)	ND(4)		ND(4)	ND(4)		60			810	ND(4.5)	ND(4.5)						897.65
		55	TO-15	440			1.2	1.7				ND(4.6)	1.4	ND(0.83)	3.4		17	ND(0.96)		310			1600 E	1.6	3.6						1943.10
	Apr 2008	10	TO-15	2.47	ND(0.027)	ND(0.027)	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0095)	ND(0.0044)	ND(0.026) J	ND(0.0039)	0.019	0.013		0.038	0.013	ND(0.0042)	ND(0.0044)	0.01 J	ND(0.0053)	ND(0.0058)	ND(0.0061)	ND(0.0061)	ND(0.0027)	0.008				0.176
		15	TO-15	2.02	ND(0.022)	ND(0.022)	ND(0.005)	ND(0.005)	ND(0.0041)	ND(0.0078)	ND(0.0036)	ND(0.021) J	ND(0.0032)	ND(0.0038)	ND(0.0044)		ND(0.0044)	ND(0.0044)	ND(0.0035)	ND(0.0036)	ND(0.0041) J	ND(0.0043)	ND(0.0047)	ND(0.005)	ND(0.005)	ND(0.0022)	ND(0.005)				ND (0.074)
		20	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023) J	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046) J	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)				Ned (0.081)
		25	TO-15	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025) J	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049) J	ND(0.0051)	ND(0.0056)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)				ND (0.087)
		30	TO-15	2.53	ND(0.028)	ND(0.028)	ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0097)	ND(0.0046)	ND(0.026) J	ND(0.004)	0.0049	ND(0.0055)		0.006	ND(0.0055)	ND(0.0044)	ND(0.0044)	ND(0.0052) J	ND(0.0054)	ND(0.0059)	ND(0.0062)	ND(0.0062)	ND(0.0028)	ND(0.0062)				0.099
		35	TO-15	22.9	ND(0.25)	ND(0.25)	ND(0.056)	ND(0.056)	ND(0.046)	ND(0.088)	ND(0.041)	ND(0.24) J	ND(0.036)	ND(0.043)	ND(0.05)		ND(0.05)	ND(0.05)	ND(0.039)	ND(0.04)	ND(0.047) J	ND(0.049)	8.7	ND(0.056)	ND(0.056)	ND(0.025)	ND(0.056)				9.512
		40	TO-15	22.4	ND(0.24)	ND(0.24)	ND(0.055)	ND(0.055)	ND(0.045)	ND(0.086)	ND(0.04)	ND(0.23) J	ND(0.036)	ND(0.042)	ND(0.049)		ND(0.049)	ND(0.049)	ND(0.038)	ND(0.039)	ND(0.046) J	ND(0.048)	16	ND(0.055)	ND(0.055)	ND(0.025)	ND(0.055)				16.789
		45	TO-15	46.6	ND(0.51)	ND(0.51)	ND(0.11)	ND(0.11)	ND(0.094)	ND(0.18)	ND(0.084)	ND(0.49) J	ND(0.074)	ND(0.088)	ND(0.1)		ND(0.1)	ND(0.1)	ND(0.08)	ND(0.082)	ND(0.095) J	ND(0.099)	36	ND(0.11)	ND(0.11)	ND(0.052)	ND(0.11)				37.644
		50	TO-15	110	ND(1.2)	ND(1.2)	ND(0.27)	ND(0.27)	ND(0.22) J	ND(0.42)	ND(0.2)	ND(1.2) J	ND(0.18)	ND(0.21)	ND(0.24)		ND(0.24)	ND(0.24)	ND(0.19)	ND(0.19)	ND(0.22) J	ND(0.23)	56 J	ND(0.27)	ND(0.27)	ND(0.12)	ND(0.27)				59.925
		50 Dup	TO-15	110	ND(1.2)	ND(1.2)	ND(0.27)	ND(0.27)	ND(0.22)	ND(0.42)	ND(0.2)	ND(1.2) J	ND(0.18)	ND(0.21)	ND(0.24)		ND(0.24)	ND(0.24)	ND(0.19)	0.23	ND(0.22) J	ND(0.23)	96	ND(0.27)	ND(0.27)	ND(0.12)	ND(0.27)				100.060
	Sep 2008	10	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)	ND(0.10245)
		15	TO-15	2.29	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.014)	ND(0.018)	ND(0.10535)
		20	TO-15	2.58	ND(0.028)	ND(0.028)	ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0099)	ND(0.0046)	ND(0.027)	ND(0.0041)	ND(0.0049)	ND(0.0056)		ND(0.0056)	ND(0.0056)	ND(0.0044)	ND(0.0045)	ND(0.0053)	ND(0.0055)	ND(0.006)	ND(0.0063)	ND(0.0063)	ND(0.0028)	ND(0.0063)	ND(0.012)	ND(0.015)	ND(0.021)	ND(0.11825)
		25	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)	ND(0.10245)
		30	TO-15	2.13	ND(0.023)	ND(0.023)	ND(0.0052)	ND(0.0052)	ND(0.0043)	ND(0.0082)	ND(0.0038)	ND(0.022)	0.023	ND(0.004)	ND(0.0046)		ND(0.0046)	ND(0.0046)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0045)	ND(0.005)	ND(0.0052)	ND(0.0052)	ND(0.0024)	ND(0.0052)	ND(0.01)	ND(0.012)	ND(0.017)	0.11845
		35	TO-15	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045) UJ	ND(0.0052)		ND(0.0052) UJ	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0058) UJ	0.0076 J	ND(0.0026)	ND(0.0058)	ND(0.011)	ND(0.014)	ND(0.019)	0.114
		35 Dup	TO-15	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	ND(0.0038)	0.013 J	ND(0.0052)		0.021 J	0.0085	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	0.0059 J	0.02 J	ND(0.0026)	0.015 J	ND(0.011)	ND(0.014)	ND(0.019)	0.17655
		40	TO-15	2.29	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	0.058	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	0.026	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.014)	ND(0.018)	0.1844
		45	TO-15	3.73	ND(0.41)	ND(0.41)	ND(0.092)	ND(0.092)	ND(0.075)	ND(0.14)	ND(0.067)	ND(0.39)	ND(0.06)	ND(0.07)	ND(0.081)		ND(0.081)	ND(0.081)	ND(0.064)	ND(0.066)	ND(0.076)	ND(0.079)	49	ND(0.092)	ND(0.092)	ND(0.041)	ND(0.092)	0.85	3.6	ND(0.3)	54.9255
		50	TO-15	16	ND(1.8)	ND(1.8)	ND(0.39)	ND(0.39)	ND(0.32)	ND(0.61)	ND(0.29)	ND(1.7)	ND(0.26)	ND(0.3)	ND(0.35)		ND(0.35)	ND(0.35)	13	8.8	ND(0.33)	ND(0.34)	200	ND(0.39)	ND(0.39)	ND(0.18)	ND(0.39)	14	140	15	396.265
		55	TO-15	74.7	ND(8.2)	ND(8.2)	ND(1.8)	ND(1.8)	ND(1.5)	ND(2.9)	ND(1.3)	ND(7.8)	ND(1.2)	ND(1.4)	ND(1.6)		ND(1.6)	ND(1.6)	130	210	44	ND(1.6)	560	ND(1.8)	ND(1.8)	ND(0.83)	ND(1.8)	50	670	200	1888.365
		55 Dup	TO-15	74.4	ND(8.2)	ND(8.2)	ND(1.8)	ND(1.8)	ND(1.5)	ND(2.9)	ND(1.3)	ND(7.8)	ND(1.2)	ND(1.4)	ND(1.6)		ND(1.6)	ND(1.6)	130	200	44	ND(1.6)	550	ND(1.8)	ND(1.8)	ND(0.83)	ND(1.8)	48.000	630.000	200.000	1826.365
		60	TO-15	2.29	ND(0.025)	ND(0.025)	0.027	0.06	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	0.006 JB	0.007		0.021	0.03	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0053)	0.056	0.15	ND(0.0025)	0.18	ND(0.011)	ND(0.014)	ND(0.018)	0.6187
	Dec 2008	10	TO-15	2.13	0.24	ND(0.023)	0.041	0.072	ND(0.0043)	ND(0.0082)	ND(0.0038)	ND(0.022)	0.018	0.011	0.3		0.62	0.03	0.066	0.2	0.3	ND(0.0045)	0.14	0.42	0.36	ND(0.0024)	0.42	ND(0.01)	0.021	0.46	3.7581
		15	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)	ND(0.011)	ND(0.014)	ND(0.019)	ND(0.1077)
		20	TO-15	2.09	ND(0.023)	ND(0.023)	ND(0.0051)	ND(0.0051)	ND(0.0042)	ND(0.008)	ND(0.0038)	ND(0.022)	ND(0.0033)	ND(0.0039)	ND(0.0045)		ND(0.0045)	ND(0.0045)	ND(0.0036)	ND(0.0037)	ND(0.0043)	ND(0.0044)	ND(0.0049)	ND(0.0051)	ND(0.0051)	ND(0.0023)	ND(0.0051)	ND(0.0099)	ND(0.012)	ND(0.017)	ND(0.09615)
		25	TO-15	3.44	ND(0.38)	ND(0.38)	ND(0.084)	ND(0.084)	ND(0.07)	ND(0.13)	ND(0.062)	ND(0.36)	ND(0.055)	ND(0.065)	ND(0.075)		ND(0.075)	ND(0.075)	ND(0.059)	0.066 J	ND(0.07)	ND(0.073)	49 J	ND(0.084)	ND(0.084)	ND(0.038)	ND(0.084)	0.78 J	6.9 J	ND(0.28)	58.0795
		30	TO-15	42.6	ND(4.7)	ND(4.7)	ND(1)	ND(1)	ND(0.86)	ND(1.6)	ND(0.77)	ND(4.5)	ND(0.68)	ND(0.8)	ND(0.92)		ND(0.92)	ND(0.92)	ND(0.73)	2.2	ND(0.87)	ND(0.91)	430	ND(1)	ND(1)	ND(0.47)	ND(1)	9.4	65	7.3	528.575
		35	TO-15	30.8	ND(3.4)	ND(3.4)	ND(0.76)	ND(0.76)	ND(0.62)	ND(1.2)	ND(0.56)	ND(3.2)	ND(0.49)	ND(0.58)	ND(0.67)		ND(0.67)	ND(0.67)	ND(0.53)	1.3 J	ND(0.63)	ND(0.66)	380 J	ND(0.76)	ND(0.76)	ND(0.34)	ND(0.76)	8.7 J	53 J	4.6 J	458.31
		40	TO-15	27.7	ND(3)	ND(3)	ND(0.68)	ND(0.68)	ND(0.56)	ND(1.1)	ND(0.5)	ND(2.9)	ND(0.44)	ND(0.52)	ND(0.6)		ND(0.6)	ND(0.6)	9.9	10	ND(0.57)	ND(0.59)	490	ND(0.68)	ND(0.68)	ND(0.31)	ND(0.68)	15	160	9	703.245
		45	TO-15	34.2	ND(3.8)	ND(3.8)	ND(0.84)	ND(0.84)	ND(0.69)	ND(1.3)	ND(0.62)	ND(3.6)	0.67	ND(0.64)	ND(0.74)		0.99	ND(0.74)	40	56	5.8	ND(0.73)	660	ND(0.84)	ND(0.84)	ND(0.38)	ND(0.84)	23	380	58	1235.08
		50	TO-15	52.2	ND(5.7)	ND(5.7)	ND(1.3)	ND(1.3)	ND(1)	ND(2)	ND(0.94)	ND(5.5)	1.0	ND(0.98)	ND(1.1)		ND(1.1)	ND(1.1)	120	160	38	ND(1.1)	870	ND(1.3)	ND(1.3)	ND(0.58)	ND(1.3)	22	550	220	1997.65
		55	TO-15	109	ND(12)	ND(12)	ND(2.7)	ND(2.7)	ND(2.2)	ND(4.2)	ND(2)	ND(11)	1.8 J	ND(2)	3.7 J		4.6 J	ND(2.4)	220 J	420 J	140 J	ND(2.3)	1000 J	ND(2.7)	ND(2.7)	ND(1.2)	ND(2.7)	100 J	750 J	520 J	3192.5
		55 Dup	TO-15	205	ND(22)	ND(22)	ND(5)	ND(5)	ND(4.1)	ND(7.9)	ND(3.7)	ND(21)	ND(3.3)	ND(3.9)	7.1 J		5.8	ND(4.4)	270	490	180 J	ND(4.4)	1300 J	ND(5)	ND(5)	ND(2.3)	ND(5)	59 J	810	660	3843.9
		60	TO-15	51.2	49	5.5	5.4	2.8	ND(1)	ND(2)	ND(0.92)	ND(5.4)	1.3	1.4	23		93	3.4	180	320	170	ND(1.1)	870	77	74	ND(0.57)	41	19	390	680	3011.295

US EPA ARCHIVE DOCUMENT

TABLE 2-8a. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	TO Method	TO Dilution Factor	n-Butyl-benzene mg/m^3	sec-Butyl-benzene mg/m^3	Isopropyl-benzene mg/m^3	n-Propyl-benzene mg/m^3	1,2-Dichloro-ethane mg/m^3	1,2-Dibromo-ethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethyl-benzene mg/m^3	Total Xylenes mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclo-hexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	2,2,4-Trimethyl-pentane mg/m^3	1,3,5-Trimethyl-benzene mg/m^3	1,2,4-Trimethyl-benzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyl-toluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3	TVPH as gasoline mg/m^3
VW-99	Sep/Oct 2009	10	TO-15	11.2	ND(1.2)	ND(1.2)	ND(0.28)	ND(0.28)	ND(0.23)	ND(0.43)	ND(0.2)	ND(1.2)	ND(0.18)	ND(0.21)	ND(0.24)		ND(0.24)	ND(0.24)	0.93	0.86	0.46	ND(0.24)	49	0.77	ND(0.28)	ND(0.12)	ND(0.28)	1	22	3.6	82.145
		15	TO-15	233	ND(26)	ND(26)	ND(5.7)	ND(5.7)	ND(4.7)	ND(9)	ND(4.2)	ND(24)	ND(3.7)	ND(4.4)	ND(5)		ND(5)	ND(5)	110	27	ND(4.8)	ND(5)	690	ND(5.7)	ND(5.7)	ND(2.6)	ND(5.7)	27	540	170	1642.95
		20	TO-15	388	ND(42)	ND(42)	ND(9.5)	ND(9.5)	ND(7.8)	ND(15)	ND(7)	ND(41)	ND(6.2)	ND(7.3)	ND(8.4)		ND(8.4)	ND(8.4)	170	34	ND(8)	ND(8.3)	920	ND(9.5)	ND(9.5)	ND(4.3)	ND(9.5)	30	670	280	2234.8
		25	TO-15	164	ND(18)	ND(18)	ND(4)	ND(4)	ND(3.3)	ND(6.3)	ND(3)	ND(17)	ND(2.6)	ND(3.1)	ND(3.6)		ND(3.6)	ND(3.6)	98	25	ND(3.4)	ND(3.5)	740	ND(4)	ND(4)	ND(1.8)	ND(4)	20	460	170	1568.4
		30	TO-15	242	ND(26)	ND(26)	ND(5.9)	ND(5.9)	ND(4.9)	ND(9.3)	ND(4.4)	ND(25)	ND(3.9)	ND(4.6)	ND(5.2)		ND(5.2)	ND(5.2)	120	31	ND(5)	ND(5.2)	1000	ND(5.9)	ND(5.9)	ND(2.7)	ND(5.9)	30	600	230	2092.05
		30 Dup	TO-15	253	ND(28)	ND(28)	ND(6.2)	ND(6.2)	ND(5.1)	ND(9.7)	ND(4.6)	ND(26)	ND(4)	ND(4.8)	ND(5.5)		ND(5.5)	ND(5.5)	120	30	ND(5.2)	ND(5.4)	1100	ND(6.2)	ND(6.2)	ND(2.8)	ND(6.2)	31	610	240	2216.55
		35	TO-15	373	ND(41)	ND(41)	ND(9.2)	ND(9.2)	ND(7.5)	ND(14)	ND(6.7)	ND(39)	ND(6)	ND(7)	ND(8.1)		ND(8.1)	ND(8.1)	80	23	ND(7.6)	ND(7.9)	840	ND(9.2)	ND(9.2)	ND(4.1)	ND(9.2)	27	580	110	1786.05
		40	TO-15	397	ND(44)	ND(44)	ND(9.8)	ND(9.8)	ND(8)	ND(15)	ND(7.2)	ND(42)	ND(6.3)	ND(7.5)	ND(8.6)		ND(8.6)	ND(8.6)	140	83	12	ND(8.4)	910	ND(9.8)	ND(9.8)	ND(4.4)	ND(9.8)	30	740	260	2305.8
		45	TO-15	388	ND(42)	ND(42)	ND(9.5)	ND(9.5)	ND(7.8)	ND(15)	ND(7)	ND(41)	ND(6.2)	ND(7.3)	ND(8.4)		ND(8.4)	ND(8.4)	180	120	22	ND(8.3)	1000	ND(9.5)	ND(9.5)	ND(4.3)	ND(9.5)	38	910	360	2756.8
		50	TO-15	560	ND(61)	ND(61)	ND(14)	ND(14)	ND(11)	ND(22)	ND(10)	ND(59)	ND(8.9)	ND(10)	ND(12)		ND(12)	ND(12)	300	390	110	ND(12)	1300	ND(14)	ND(14)	ND(6.2)	ND(14)	44	1200	710	4237.55
		55	TO-15	672	ND(74)	ND(74)	ND(16)	ND(16)	ND(14)	ND(26)	ND(12)	ND(70)	ND(11)	ND(13)	ND(14)		ND(14)	ND(14)	400	660	220	ND(14)	1400	ND(16)	ND(16)	ND(7.4)	ND(16)	52	1400	920	5270.7
		60	TO-15	166	ND(18)	ND(18)	ND(4.1)	ND(4.1)	ND(3.4)	ND(6.4)	ND(3)	ND(17)	ND(2.6)	ND(3.1)	ND(3.6)		ND(3.6)	ND(3.6)	120	140	43	ND(3.5)	370	5.4	ND(4.1)	ND(1.8)	ND(4.1)	14	390	300	1434.4
VW-127	May 2005	5	TO-15	2.09			ND(0.0051)	ND(0.0051)	ND(0.0042)	ND(0.008)	ND(0.0038)	ND(0.022)	ND(0.0033)	ND(0.0039)	ND(0.0045)		ND(0.0045)	ND(0.0045)	ND(0.0036)	0.015	ND(0.0043)	ND(0.0044)	ND(0.0049)	ND(0.0051)	ND(0.0051)	ND(0.0023)	ND(0.0051)				0.067
		10	TO-15	2.33			ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	0.02	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)				0.078
		15	TO-15	2.24			ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	0.011	0.034	0.0072		0.014	0.0068	0.04	0.044	0.0053	ND(0.0048)	0.032	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)				0.232
		20	TO-15	2.16			ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	0.0086	ND(0.0047)		0.0079	0.005	0.011	0.024	ND(0.0044)	ND(0.0046)	0.024	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)				0.123
		30	TO-15	4.6			ND(0.011)	ND(0.011)	ND(0.0093)	ND(0.018)	ND(0.0083)	ND(0.048)	0.034	0.061	0.018		0.038	0.012	0.071	0.27	0.042	ND(0.0098)	0.16	ND(0.011)	ND(0.011)	ND(0.0051)	ND(0.011)				0.783
		40	TO-15	2.16			ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	0.0044	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	0.075	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)				0.131
		50	TO-15	4.4			ND(0.011)	ND(0.011)	ND(0.0089)	ND(0.017)	ND(0.0079)	ND(0.046)	ND(0.007)	0.02	ND(0.0096)		0.026	ND(0.0096)	0.013	ND(0.0078)	ND(0.009)	ND(0.0094)	ND(0.01)	ND(0.011)	ND(0.011)	ND(0.0049)	ND(0.011)				0.160
	Sep 2005	5	TO-15	2.24			ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)				ND (0.057)
		10	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)				ND (0.057)
		15	TO-15	2.29			ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)				ND (0.059)
		20	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)				ND (0.057)
		30	TO-15	2.38			ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)				ND (0.061)
		40	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)				ND (0.057)
		40 Dup	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	0.0036	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)				0.058
		50	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)				ND (0.057)
	Oct 2005	20	TO-15	2.16			ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)				ND (0.056)
		30	TO-15	2.14			ND(0.0052)	ND(0.0053)	ND(0.0043)	ND(0.0082)	ND(0.0038)	ND(0.022)	0.013	0.036	0.008		0.02	0.0088	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	0.01	ND(0.0053)	0.007	ND(0.0024)	0.0072				0.147
		40	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)				ND (0.057)
		50	TO-15	2.05			ND(0.005)	ND(0.005)	ND(0.0041)	ND(0.0079)	ND(0.0037)	ND(0.021)	ND(0.0033)	0.0077	ND(0.0044)		0.0055	ND(0.0044)	ND(0.0035)	ND(0.0036)	ND(0.0042)	ND(0.0044)	ND(0.0048)	ND(0.005)	ND(0.005)	ND(0.0023)	ND(0.005)				0.062
	Nov/Dec 2006	5	TO-15	2.16			ND(0.0053)	ND(0.0053)				ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)		ND(0.0038)			ND(0.005)	ND(0.0053)	ND(0.0053)						ND (0.037)
		10	TO-15	4.45			ND(0.011) R	ND(0.011) R				ND(0.047) R	ND(0.0071) R	ND(0.0084) R	ND(0.0097) R		ND(0.0097) R	ND(0.0097) R		ND(0.0078) R			ND(0.01) R	ND(0.011) R	ND(0.011) R						
		15	TO-15	2.09			ND(0.0051)	ND(0.0051)				ND(0.022)	ND(0.0033)	ND(0.0039)	ND(0.0045)		ND(0.0045)	ND(0.0045)		ND(0.0037)			ND(0.0049)	ND(0.0051)	ND(0.0051)						ND (0.036)
		20	TO-15	2.13			ND(0.0052)	ND(0.0052)				ND(0.022)	ND(0.0034)	0.0043	0.0072		0.0075	ND(0.0046)		ND(0.0038)			ND(0.005)	ND(0.0052)	0.0055 J						0.052
		30	TO-15	2.2			ND(0.0054)	ND(0.0054)				ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)		ND(0.0039)			ND(0.0051)	ND(0.0054)	ND(0.0054)						ND (0.038)
		40	TO-15	2.13			ND(0.0052)	ND(0.0052)				ND(0.022)	ND(0.0034)	ND(0.004)	ND(0.0046)		ND(0.0046)	ND(0.0046)		ND(0.0038)			ND(0.005)	ND(0.0052)	ND(0.0052)						ND (0.036)
		50	TO-15	2.16			ND(0.0053)	ND(0.0053)				ND(0.023)	0.0034	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)		0.0047			ND(0.005)	ND(0.0053)	ND(0.0053)						0.042
	Apr 2008	5	TO-15	476	ND(5.2)	ND(5.2)	ND(1.2)	ND(1.2)	ND(0.96) J	ND(1.8)	ND(0.86)	ND(5) J	18	ND(0.9)	ND(1)		ND(1)	ND(1)	34	110	46 J	ND(1)	ND(1.1)	ND(1.2)	ND(1.2)	ND(0.53)	ND(1.2)				223.775
		10	TO-15	8.43	ND(0.092)	ND(0.092)	ND(0.021)	ND(0.021)	ND(0.017) J	ND(0.032)	ND(0.015)	ND(0.088) J	ND(0.013)	ND(0.016)	ND(0.018)		ND(0.018)	ND(0.018)	ND(0.014)	ND(0.015)	ND(0.017) J	ND(0.018)	ND(0.02)	ND(0.021)	ND(0.021)	ND(0.0093)	ND(0.021)				ND (0.309)
		15	TO-15	2.58	ND(0.028)	ND(0.028)	ND(0.0063)	ND(0.0063)	ND(0.0052) J	ND(0.0099)	ND(0.0046)	ND(0.027) J	ND(0.0041)	ND(0.0049)	ND(0.0056)		ND(0.0056)	ND(0.0056)	ND(0.0044)	0.0045	0.0094 J	ND(0.0055)	ND(0.006)	ND(0.0063)	ND(0.0063)	ND(0.0028)	ND(0.0063)				0.103
		20	TO-15	2.64	ND(0.029)	ND(0.029)	ND(0.0065)	ND(0.0065)	ND(0.0053) J	ND(0.01)	ND(0.0048)	ND(0.028) J	ND(0.0042)	ND(0.005)	ND(0.0057)		ND(0.0057)	ND(0.0057)	ND(0.0045)	ND(0.0046)	ND(0.0054) J	ND(0.0056)	ND(0.0062)	ND(0.0065)	ND(0.0065)	ND(0.0029)	ND(0.0065)				ND (0.097)
		30	TO-15	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048) J	ND(0.0091)	ND(0.0043)	ND(0.025) J	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	0.0087 J	ND(0.0051)	ND(0.0056)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)				0.094
		40	TO-15	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049) J	ND(0.0093)	ND(0.0044)	ND(0.025) J	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005) J	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)				ND (0.088)
		50	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047) J	ND(0.009)	ND(0.0042)	ND(0.024) J	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	0.0053	ND(0.0041)	ND(0.0048) J	ND(0.005)	0.0085	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)				0.095

US EPA ARCHIVE DOCUMENT

TABLE 2-8a. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	TO Method	TO Dilution Factor	n-Butyl-benzene mg/m^3	sec-Butyl-benzene mg/m^3	Isopropyl-benzene mg/m^3	n-Propyl-benzene mg/m^3	1,2-Dichloro-ethane mg/m^3	1,2-Dibromo-ethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethyl-benzene mg/m^3	Total Xylenes mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclo-hexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	2,2,4-Trimethyl-pentane mg/m^3	1,3,5-Trimethyl-benzene mg/m^3	1,2,4-Trimethyl-benzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyl-toluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3	TVPH as gasoline mg/m^3
VW-127	Sep 2008	5	TO-15	843	ND(9.2)	ND(9.2)	ND(2.1)	ND(2.1)	ND(1.7)	ND(3.2)	ND(1.5)	ND(8.8)	40	ND(1.6)	ND(1.8)		ND(1.8)	ND(1.8)	13	32	19	ND(1.8)	ND(2)	ND(2.1)	ND(2.1)	ND(0.93) UJ	ND(2.1)	240 J	150	23	544.915
		10	TO-15	96.8	ND(1.1)	ND(1.1)	ND(0.24)	ND(0.24)	ND(0.2)	ND(0.37)	ND(0.17)	ND(1)	2.8	ND(0.18)	ND(0.21)		ND(0.21)	ND(0.21)	0.43	2.1	0.63	ND(0.21)	ND(0.23)	ND(0.24)	ND(0.24)	ND(0.11)	ND(0.24)	33	12	ND(0.78)	54.6
		15	TO-15	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	0.016	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)	ND(0.011)	ND(0.014)	ND(0.019)	0.1234
		20	TO-15	2.47	ND(0.027)	ND(0.027)	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0095)	ND(0.0044)	ND(0.026)	ND(0.0039)	ND(0.0046)	ND(0.0054)		ND(0.0054)	ND(0.0054)	ND(0.0042)	ND(0.0044)	ND(0.0051)	ND(0.0053)	ND(0.0058)	ND(0.0061)	ND(0.0061)	ND(0.0027)	ND(0.0061)	ND(0.012)	ND(0.014)	ND(0.02)	ND(0.1138)
		30	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)	ND(0.10245)
		40	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)	ND(0.011)	ND(0.014)	ND(0.019)	ND(0.1077)
		50	TO-15	2.2	ND(0.024)	ND(0.024)	ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	0.0038	ND(0.0041)	0.0049		0.037	0.011	0.0064	0.0046 JB	0.0072	ND(0.0047)	0.0085	0.0097	0.024	ND(0.0024) UJ	0.016	ND(0.01)	ND(0.013)	0.018	0.2175
	Dec 2008	5	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)	ND(0.10245)
		10	TO-15	2.16	ND(0.024)	ND(0.024)	ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)	ND(0.01)	ND(0.013)	ND(0.017)	ND(0.0998)
		15	TO-15	2.13	ND(0.023)	ND(0.023)	ND(0.0052)	ND(0.0052)	ND(0.0043)	ND(0.0082)	ND(0.0038)	ND(0.022)	ND(0.0034)	ND(0.004)	ND(0.0046)		ND(0.0046)	ND(0.0046)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0045)	ND(0.005)	ND(0.0052)	ND(0.0052)	ND(0.0024)	ND(0.0052)	ND(0.01)	ND(0.012)	ND(0.017)	ND(0.09715)
		20	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)	ND(0.011)	ND(0.014)	ND(0.019)	ND(0.1077)
		30	TO-15	2.16	ND(0.024)	ND(0.024)	ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	0.026	0.036	0.012	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)	ND(0.01)	0.029	ND(0.017)	0.18105
		40	TO-15	2.09	ND(0.023)	ND(0.023)	ND(0.0051)	ND(0.0051)	ND(0.0042)	ND(0.008)	ND(0.0038)	ND(0.022)	ND(0.0033)	ND(0.0039)	ND(0.0045)		0.031 U	0.013 U	ND(0.0036)	ND(0.0037)	ND(0.0043)	ND(0.0044)	ND(0.0049)	0.0081 U	0.029 U	ND(0.0023)	0.02 U	ND(0.0099)	ND(0.012)	ND(0.017)	0.1851
		40 Dup	TO-15	2.05	ND(0.022)	ND(0.022)	ND(0.005)	ND(0.005)	ND(0.0041)	ND(0.0079)	ND(0.0037)	ND(0.021)	ND(0.0033)	ND(0.0039)	ND(0.0044)		ND(0.0044)	ND(0.0044)	ND(0.0035)	ND(0.0036)	ND(0.0042)	ND(0.0044)	ND(0.0048)	ND(0.005)	ND(0.005)	ND(0.0023)	ND(0.005)	ND(0.0097)	ND(0.012)	ND(0.016)	ND(0.0933)
		50	TO-15	2.05	ND(0.022)	ND(0.022)	ND(0.005)	ND(0.005)	ND(0.0041)	ND(0.0079)	ND(0.0037)	ND(0.021)	ND(0.0033)	ND(0.0039)	ND(0.0044)		ND(0.0044)	ND(0.0044)	ND(0.0035)	ND(0.0036)	ND(0.0042)	ND(0.0044)	ND(0.0048)	ND(0.005)	ND(0.005)	ND(0.0023)	ND(0.005)	ND(0.0097)	ND(0.012)	ND(0.016)	ND(0.0933)
	Sep/Oct 2009	5	TO-15	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)	ND(0.012)	ND(0.014)	ND(0.019)	ND (0.1106)
		10	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	0.0072	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)	0.10785
		15	TO-15	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	0.014	0.011	ND(0.0091)	ND(0.0043)	ND(0.025)	0.27	0.58	0.1		0.65 J	0.26	0.064	0.28	0.17	ND(0.0051)	0.42	0.1	0.18	ND(0.0026)	0.14	0.064	0.58	0.11	4.04495
		20	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)	ND (0.10245)
		30	TO-15	2.29	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.014)	ND(0.018)	ND (0.10535)
		40	TO-15	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)	ND(0.012)	ND(0.014)	ND(0.019)	ND (0.1106)
		40 Dup	TO-15	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	0.0046	ND(0.0046)	0.0095		0.021 J	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	0.013 J	ND(0.0027)	0.0091	ND(0.012)	ND(0.014)	ND(0.019)	0.15475
		50	TO-15	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)	ND(0.011)	ND(0.014)	ND(0.019)	ND (0.1093)
VW-128	Apr 2005	5	TO-15	2.33			ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	0.036	0.056	0.019		0.019	0.01	0.065	0.025	ND(0.0048)	ND(0.005)	0.064	ND(0.0057)	0.01	ND(0.0026)	0.007				0.347
		10	TO-15	2.47			ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0095)	ND(0.0044)	ND(0.026)	0.023	0.039	0.017		0.013	0.011	0.045	0.014	ND(0.0051)	ND(0.0053)	0.032	ND(0.0061)	0.008	ND(0.0027)	ND(0.0061)				0.243
		15	TO-15	2.53			ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0097)	ND(0.0046)	ND(0.026)	0.025	0.036	0.013		0.0086	0.01	0.028	0.037	0.0094	ND(0.0054)	0.021	ND(0.0062)	0.013	ND(0.0028)	0.0062				0.243
		20	TO-15	2.42			ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	0.0057	0.0062	ND(0.0052)		ND(0.0052)	ND(0.0052)	0.0066	0.0078	ND(0.005)	ND(0.0052)	0.0099	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)				0.087
		30	TO-15	2.42			ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)				ND (0.062)
		40	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)				ND (0.057)
		50	TO-15	2.64			ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.01)	ND(0.0048)	ND(0.028)	ND(0.0042)	ND(0.005)	ND(0.0057)		ND(0.0057)	ND(0.0057)	ND(0.0045)	ND(0.0046)	ND(0.0054)	ND(0.0056)	ND(0.0062)	ND(0.0065)	ND(0.0065)	ND(0.0029)	ND(0.0065)				ND (0.068)
		50 Dup	TO-15	2.42			ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)				ND (0.062)
	Sep 2005	5	TO-15	2.29			ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)				ND (0.059)
		10	TO-15	2.42			ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)				ND (0.062)
		15	TO-15	2.33			ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)				ND (0.060)
		20	TO-15	2.29			ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)				ND (0.059)
		30	TO-15	2.84			ND(0.007)	ND(0.007)	ND(0.0057)	ND(0.011)	ND(0.0051)	ND(0.03)	ND(0.0045)	0.0056	ND(0.0062)		0.0074	ND(0.0062)	ND(0.0049)	ND(0.005)	ND(0.0058)	ND(0.006)	ND(0.0066)	ND(0.007)	ND(0.007)	ND(0.0031)	ND(0.007)				0.081
		40	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)				ND (0.057)
		40 Dup	TO-15	2.24			ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	0.0064	0.015	ND(0.0049)		0.015	0.0055	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	0.007	ND(0.0025)	ND(0.0055)				0.095
		50	TO-15	2.24			ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	0.0093 U	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)				0.065
	Oct 2005	20	TO-15	2.16			ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)				ND (0.056)
		30	TO-15	2.05			ND(0.005)	ND(0.005)	ND(0.0041)	ND(0.0079)	ND(0.0037)	ND(0.021)	ND(0.0033)	ND(0.0039)	ND(0.0044)		ND(0.0044)	ND(0.0044)	ND(0.0035)	ND(0.0036)	ND(0.0042)	ND(0.0044)	ND(0.0048)	ND(0.005)	ND(0.005)	ND(0.0023)	ND(0.005)				ND (0.052)
		40	TO-15	2.02			ND(0.005)	ND(0.005)	ND(0.0041)	ND(0.0078)	ND(0.0036)	ND(0.021)	ND(0.0032)	ND(0.0038)	ND(0.0044)		ND(0.0044)	ND(0.0044)	ND(0.0035)	ND(0.0036)	ND(0.0041)	ND(0.0043)	ND(0.0047)	ND(0.005)	ND(0.005)	ND(0.0022)	ND(0.005)				ND (0.052)
		50	TO-15	2.09			ND(0.0051)	ND(0.0051)	ND(0.0042)	ND(0.008)	ND(0.0038)	ND(0.022)	ND(0.0033)	ND(0.0039)	ND(0.0045)		ND(0.0045)	ND(0.0045)	ND(0.0036)	ND(0.0037)	ND(0.0043)	ND(0.0044)	ND(0.0049)	ND(0.0051)	ND(0.0051)	ND(0.0023)	ND(0.0051)				ND (0.054)
		50 Dup	TO-15	2.01			ND(0.0049)	ND(0.0049)	ND(0.0041)	ND(0.0077)	ND(0.0036)	ND(0.021)	ND(0.0032)	ND(0.0038)	ND(0.0044)		ND(0.0044)	ND(0.0044)	ND(0.0034)	ND(0.0035)	ND(0.0041)	ND(0.0043)	0.0064	ND(0.0049)	ND(0.0049)	ND(0.0022)	ND(0.0049)				0.056

US EPA ARCHIVE DOCUMENT

TABLE 2-8a. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	TO Method	TO Dilution Factor	n-Butyl-benzene mg/m^3	sec-Butyl-benzene mg/m^3	Isopropyl-benzene mg/m^3	n-Propyl-benzene mg/m^3	1,2-Dichloro-ethane mg/m^3	1,2-Dibromo-ethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethyl-benzene mg/m^3	Total Xylenes mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclo-hexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	2,2,4-Trimethyl-pentane mg/m^3	1,3,5-Trimethyl-benzene mg/m^3	1,2,4-Trimethyl-benzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyl-toluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3	TVPH as gasoline mg/m^3
VW-128	Jun/Jul 2006	5	TO-15	2.58			ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0099)	ND(0.0046)	ND(0.027)	ND(0.0041)	ND(0.0049)	ND(0.0056)		ND(0.0056)	ND(0.0056)	ND(0.0044)	ND(0.0045)	ND(0.0053)	ND(0.0055)	ND(0.006)	ND(0.0063)	ND(0.0063)	ND(0.0028)	ND(0.0063)				ND (0.066)
		10	TO-15	2.47			ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0095)	ND(0.0044)	ND(0.026)	ND(0.0039)	ND(0.0046)	ND(0.0054)		ND(0.0054)	ND(0.0054)	ND(0.0042)	ND(0.0044)	ND(0.0051)	ND(0.0053)	ND(0.0058)	ND(0.0061)	ND(0.0061)	ND(0.0027)	ND(0.0061)				ND (0.064)
		15	TO-15	2.64			ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.01)	ND(0.0048)	ND(0.028)	ND(0.0042)	ND(0.005)	ND(0.0057)		ND(0.0057)	ND(0.0057)	ND(0.0045)	ND(0.0046)	ND(0.0054)	ND(0.0056)	ND(0.0062)	ND(0.0065)	ND(0.0065)	ND(0.0029)	ND(0.0065)				ND (0.068)
		20	TO-15	2.24			ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)				ND (0.057)
		30	TO-15	2.29			ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)				ND (0.059)
		40	TO-15	2.38			ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)				ND (0.061)
		50	TO-15	2.58			ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0099)	ND(0.0046)	ND(0.027)	ND(0.0041)	ND(0.0049)	ND(0.0056)		ND(0.0056)	ND(0.0056)	ND(0.0044)	ND(0.0045)	0.0073 J	ND(0.0055)	ND(0.006)	ND(0.0063)	ND(0.0063)	ND(0.0028)	ND(0.0063)				0.071
		50 Dup	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	0.0042	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)				0.059
	Nov/Dec 2006	5	TO-15	2.13			ND(0.0052)	ND(0.0052)				ND(0.022)	ND(0.0034)	ND(0.004)	ND(0.0046)		ND(0.0046)	ND(0.0046)		ND(0.0038)			ND(0.005)	ND(0.0052)	ND(0.0052)						ND (0.036)
		10	TO-15	2.09			ND(0.0051)	ND(0.0051)				ND(0.022)	ND(0.0033)	ND(0.0039)	ND(0.0045)		ND(0.0045)	ND(0.0045)		ND(0.0037)			ND(0.0049)	ND(0.0051)	ND(0.0051)						ND (0.036)
		15	TO-15	2.2			ND(0.0054)	ND(0.0054)				ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)		ND(0.0039)			ND(0.0051)	ND(0.0054)	ND(0.0054)						ND (0.038)
		20	TO-15	2.09			ND(0.0051)	ND(0.0051)				ND(0.022)	ND(0.0033)	ND(0.0039)	ND(0.0045)		ND(0.0045)	ND(0.0045)		ND(0.0037)			ND(0.0049)	ND(0.0051)	ND(0.0051)						ND (0.036)
		20 Dup	TO-15	2.33			ND(0.0057)	ND(0.0057)				ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)		ND(0.0041)			ND(0.0054)	ND(0.0057)	ND(0.0057)						ND (0.040)
		30	TO-15	2.2			ND(0.0054)	ND(0.0054)				ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)		ND(0.0039)			ND(0.0051)	ND(0.0054)	ND(0.0054)						ND (0.038)
		40	TO-15	2.29			ND(0.0056)	ND(0.0056)				ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)		ND(0.004)			ND(0.0053)	ND(0.0056)	ND(0.0056)						ND (0.039)
		50	TO-15	2.58			ND(0.0063)	ND(0.0063)				ND(0.027)	ND(0.0041)	ND(0.0049)	ND(0.0056)		ND(0.0056)	ND(0.0056)		ND(0.0045)			ND(0.006)	ND(0.0063)	ND(0.0063)						ND (0.044)
		50 Dup	TO-15	2.09			ND(0.0051)	ND(0.0051)				ND(0.022)	ND(0.0033)	ND(0.0039)	ND(0.0045)		ND(0.0045)	ND(0.0045)		ND(0.0037)			ND(0.0049)	ND(0.0051)	ND(0.0051)						ND (0.036)
	Jun/Jul 2007	5	TO-15	2.33			ND(0.0057)	ND(0.0057)				ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)		ND(0.0041)			ND(0.0054)	ND(0.0057)	ND(0.0057)						ND (0.040)
		10	TO-15	2.38			ND(0.0058)	ND(0.0058)				ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)		ND(0.0042)			ND(0.0056)	ND(0.0058)	ND(0.0058)						ND (0.041)
		15	TO-15	2.42			ND(0.0059)	ND(0.0059)				ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)		ND(0.0043)			ND(0.0056)	ND(0.0059)	ND(0.0059)						ND (0.041)
		20	TO-15	2.29			ND(0.0056)	ND(0.0056)				ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)		ND(0.004)			ND(0.0053)	ND(0.0056)	ND(0.0056)						ND (0.039)
		30	TO-15	2.42			ND(0.0059)	ND(0.0059)				ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)		ND(0.0043)			ND(0.0056)	ND(0.0059)	ND(0.0059)						ND (0.041)
		40	TO-15	2.58			ND(0.0063)	ND(0.0063)				ND(0.027)	ND(0.0041)	ND(0.0049)	ND(0.0056)		ND(0.0056)	ND(0.0056)		ND(0.0045)			ND(0.006)	ND(0.0063)	ND(0.0063)						ND (0.044)
		50	TO-15	2.47			ND(0.0061)	ND(0.0061)				ND(0.026)	ND(0.0039)	ND(0.0046)	ND(0.0054)		ND(0.0054)	ND(0.0054)		ND(0.0044)			ND(0.0058)	ND(0.0061)	ND(0.0061)						ND (0.043)
	Apr 2008	5	TO-15	2.29	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046) J	ND(0.0088)	ND(0.0041)	ND(0.024) J	0.022	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047) J	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)				0.104
		10	TO-15	2.09	ND(0.023) J	ND(0.023) J	ND(0.0051) J	ND(0.0051) J	ND(0.0042) J	ND(0.008) J	ND(0.0038) J	ND(0.022) J	0.0065 J	0.024 J	ND(0.0045) J		ND(0.0045) J	ND(0.0045) J	ND(0.0036) J	ND(0.0037) J	ND(0.0043) J	ND(0.0044) J	ND(0.0049) J	ND(0.0051) J	ND(0.0051) J	ND(0.0023) J	ND(0.0051) J				0.1036 J
		15	TO-15	2.64	ND(0.029)	ND(0.029)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.01)	ND(0.0048)	ND(0.028) J	ND(0.0042)	ND(0.005)	ND(0.0057)		ND(0.0057)	ND(0.0057)	ND(0.0045)	ND(0.0046)	ND(0.0054) J	ND(0.0056)	ND(0.0062)	ND(0.0065)	ND(0.0065)	ND(0.0029)	ND(0.0065)				ND (0.097)
		20	TO-15	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025) J	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049) J	ND(0.0051)	ND(0.0056)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)				ND (0.087)
		30	TO-15	2.02	ND(0.022)	ND(0.022)	ND(0.005)	ND(0.005)	ND(0.0041)	ND(0.0078)	ND(0.0036)	ND(0.021) J	ND(0.0032)	0.013	ND(0.0044)		ND(0.0044)	ND(0.0044)	ND(0.0035)	0.0089	ND(0.0041) J	ND(0.0043)	ND(0.0047)	ND(0.005)	ND(0.005)	ND(0.0022)	ND(0.005)				0.092
		40	TO-15	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	0.029 J	ND(0.0038)	0.02	0.0089		0.044	0.018	ND(0.0041)	ND(0.0042)	ND(0.0049) J	ND(0.0051)	ND(0.0056)	0.0088	0.034	ND(0.0026)	0.02				0.239
		50	TO-15	2.09	ND(0.023)	ND(0.023)	ND(0.0051)	ND(0.0051)	ND(0.0042)	ND(0.008)	ND(0.0038)	ND(0.022) J	ND(0.0033)	ND(0.0039)	ND(0.0045)		ND(0.0045)	ND(0.0045)	ND(0.0036)	ND(0.0037)	ND(0.0043) J	ND(0.0044)	ND(0.0049)	ND(0.0051)	ND(0.0051)	ND(0.0023)	ND(0.0051)				ND (0.077)
		50 Dup	TO-15	2.09	ND(0.023)	ND(0.023)	ND(0.0051)	ND(0.0051)	ND(0.0042)	ND(0.008)	ND(0.0038)	ND(0.022) J	ND(0.0033)	ND(0.0039)	ND(0.0045)		ND(0.0045)	ND(0.0045)	ND(0.0036)	ND(0.0037)	ND(0.0043) J	ND(0.0044)	ND(0.0049)	ND(0.0051)	ND(0.0051)	ND(0.0023)	ND(0.0051)				ND (0.077)
	Sep 2008	5	TO-15	2.2	ND(0.024)	ND(0.024)	ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)	ND(0.01)	ND(0.013)	ND(0.018)	ND(0.1011)
		10	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	0.0045	0.046	0.01		0.042	0.02	ND(0.004)	ND(0.0041)	0.0078	ND(0.005)	ND(0.0054)	0.006	0.024	ND(0.0026)	0.017	ND(0.011)	ND(0.014)	ND(0.019)	0.2625
		15	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	0.0045 JB	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)	0.10485
		20	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)	ND(0.10245)
		30	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)	ND(0.10245)
		40	TO-15	2.29	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	0.0095 JB	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.0039)	0.005 JB	ND(0.0047)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.014)	ND(0.018)	0.1157
		50	TO-15	2.33	ND(0.026)	ND(0.026)	0.032	0.16	ND(0.0047)	ND(0.009)	ND(0.0042)	0.058	0.05	0.7	0.18		0.74	0.34	0.02	0.014	0.067	ND(0.005)	ND(0.0054)	0.22	1 .0	ND(0.0026)	0.7	ND(0.011)	ND(0.014)	0.092	3.42695
	Dec 2008	5	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)	ND(0.10245)
		10	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		0.017	0.0054	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)	0.11995
		15	TO-15	2.13	ND(0.023)	ND(0.023)	ND(0.0052)	ND(0.0052)	ND(0.0043)	ND(0.0082)	ND(0.0038)	ND(0.022)	ND(0.0034)	ND(0.004)	ND(0.0046)		ND(0.0046)	ND(0.0046)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0045)	ND(0.005)	ND(0.0052)	ND(0.0052)	ND(0.0024)	ND(0.0052)	ND(0.01)	ND(0.012)	ND(0.017)	ND(0.09715)
		20	TO-15	2.2	ND(0.024)	ND(0.024)	ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)	ND(0.01)	ND(0.013)	ND(0.018)	ND(0.1011)
		30	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)	ND(0.10245)
		40	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)	ND(0.10245)
		50	TO-15	2.2	ND(0.024)	ND(0.024)	ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)	ND(0.01)	ND(0.013)	ND(0.018)	ND(0.1011)

US EPA ARCHIVE DOCUMENT

TABLE 2-8a. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	TO Method	TO Dilution Factor	n-Butyl-benzene mg/m^3	sec-Butyl-benzene mg/m^3	Isopropyl-benzene mg/m^3	n-Propyl-benzene mg/m^3	1,2-Dichloro-ethane mg/m^3	1,2-Dibromo-ethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethyl-benzene mg/m^3	Total Xylenes mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclo-hexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	2,2,4-Trimethyl-pentane mg/m^3	1,3,5-Trimethyl-benzene mg/m^3	1,2,4-Trimethyl-benzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyl-toluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3	TVPH as gasoline mg/m^3
VW-128	Sep/Oct 2009	5	TO-15	2.37	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0051)		ND(0.0051)	ND(0.0051)	ND(0.0041)	ND(0.0042)	ND(0.0048)	ND(0.005)	ND(0.0055)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)	ND(0.011)	ND(0.014)	ND(0.019)	ND (0.109)
		10	TO-15	2.13	ND(0.023)	ND(0.023)	ND(0.0052)	ND(0.0052)	ND(0.0043)	ND(0.0082)	ND(0.0038)	ND(0.022)	ND(0.0034)	ND(0.004)	ND(0.0046)		ND(0.0046)	ND(0.0046)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0045)	ND(0.005)	ND(0.0052)	ND(0.0052)	ND(0.0024)	ND(0.0052)	ND(0.01)	ND(0.012)	ND(0.017)	ND (0.09715)
		15	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	0.0084	ND(0.0042)	ND(0.0049)		0.03 J	0.0059	0.0063	0.019	0.013	ND(0.0048)	0.039	ND(0.0055)	ND(0.0055)	ND(0.0025)	0.0067	0.022	0.064	ND(0.018)	0.28655
		20	TO-15	2.2	ND(0.024)	ND(0.024)	ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	0.0054	ND(0.0048)		0.0068	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	0.0079	ND(0.0024)	0.0056	0.014	ND(0.013)	ND(0.018)	0.12595
		30	TO-15	2.3	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0037)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0054)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.014)	ND(0.018)	ND (0.1055)
		40	TO-15	2.3	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0037)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0054)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.014)	ND(0.018)	ND (0.1055)
		50	TO-15	2.3	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0037)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0054)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.014)	ND(0.018)	ND (0.1055)
VW-129	Apr 2005	5	TO-15	2.53			ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0097)	ND(0.0046)	ND(0.026)	0.005	0.016	0.0099		0.022	0.008	0.0064	0.016	0.012	ND(0.0054)	ND(0.0059)	ND(0.0062)	0.0084	ND(0.0028)	ND(0.0062)				0.146
		10	TO-15	2.42			ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	0.0039	0.011	0.008		0.06	0.041	0.0089	0.022	0.01	ND(0.0052)	ND(0.0056)	0.027	0.066	ND(0.0027)	0.054				0.346
		15	TO-15	2.82			ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.011)	ND(0.0051)	ND(0.03)	ND(0.0045)	0.0056	ND(0.0061)		ND(0.0061)	ND(0.0061)	ND(0.0048)	ND(0.005)	ND(0.0058)	ND(0.006)	ND(0.0066)	ND(0.0069)	ND(0.0069)	ND(0.0031)	ND(0.0069)				0.076
		20	TO-15	2.33			ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	0.0038	0.0085	ND(0.005)		0.0055	ND(0.005)	0.006	0.011	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)				0.084
		30	TO-15	2.16			ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	0.0044	0.018	0.0097		0.014	0.006	0.0051	0.0091	0.008	ND(0.0046)	ND(0.005)	ND(0.0053)	0.008	ND(0.0024)	0.0062				0.122
		40	TO-15	2.38			ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	0.0049	0.013	0.0061		0.0077	ND(0.0052)	0.0067	0.014	0.0078	ND(0.0051)	ND(0.0056)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)				0.106
		50	TO-15	2.89			ND(0.0071)	ND(0.0071)	ND(0.0058)	ND(0.011)	ND(0.0052)	ND(0.03)	ND(0.0046)	0.012	ND(0.0063)		0.031	0.013	ND(0.005)	ND(0.0051)	ND(0.0059)	ND(0.0062)	ND(0.0068)	ND(0.0071)	ND(0.0071)	ND(0.0032)	ND(0.0071)				0.121
		50 Dup	TO-15	2.53			ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0097)	ND(0.0046)	ND(0.026)	ND(0.004)	0.0058	ND(0.0055)		ND(0.0055)	ND(0.0055)	ND(0.0044)	ND(0.0044)	ND(0.0052)	ND(0.0054)	ND(0.0059)	ND(0.0062)	ND(0.0062)	ND(0.0028)	ND(0.0062)				0.068
	Jun/Jul 2006	5	TO-15	2.33			ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)				ND (0.060)
		10	TO-15	2.29			ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)				ND (0.059)
		15	TO-15	2.64			ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.01)	ND(0.0048)	ND(0.028)	ND(0.0042)	ND(0.005)	ND(0.0057)		ND(0.0057)	ND(0.0057)	ND(0.0045)	ND(0.0046)	ND(0.0054)	ND(0.0056)	ND(0.0062)	ND(0.0065)	ND(0.0065)	ND(0.0029)	ND(0.0065)				ND (0.068)
		20	TO-15	3.46			ND(0.0085)	ND(0.0085)	ND(0.007)	ND(0.013)	ND(0.0062)	ND(0.036)	ND(0.0055)	ND(0.0065)	ND(0.0075)		ND(0.0075)	ND(0.0075)	ND(0.006)	ND(0.0061)	ND(0.0071)	ND(0.0074)	ND(0.0081)	ND(0.0085)	ND(0.0085)	ND(0.0038)	ND(0.0085)				ND (0.089)
		30	TO-15	2.47			ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0095)	ND(0.0044)	ND(0.026)	ND(0.0039)	ND(0.0046)	ND(0.0054)		ND(0.0054)	ND(0.0054)	ND(0.0042)	ND(0.0044)	ND(0.0051)	ND(0.0053)	ND(0.0058)	ND(0.0061)	ND(0.0061)	ND(0.0027)	ND(0.0061)				ND (0.064)
		40	TO-15	2.69			ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.01)	ND(0.0048)	ND(0.028)	ND(0.0043)	ND(0.0051)	ND(0.0058)		ND(0.0058)	ND(0.0058)	ND(0.0046)	ND(0.0047)	ND(0.0055)	ND(0.0057)	ND(0.0063)	ND(0.0066)	ND(0.0066)	ND(0.003)	ND(0.0066)				ND (0.069)
		50	TO-15	2.13			ND(0.0052)	ND(0.0052)	ND(0.0043)	ND(0.0082)	ND(0.0038)	ND(0.022)	ND(0.0034)	ND(0.004)	ND(0.0046)		ND(0.0046)	ND(0.0046)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0045)	ND(0.005)	ND(0.0052)	ND(0.0052)	ND(0.0024)	ND(0.0052)				ND (0.055)
	Jun/Jul 2007	5	TO-15	2.64			ND(0.0065)	ND(0.0065)				ND(0.028)	ND(0.0042)	ND(0.005)	ND(0.0057)		ND(0.0057)	ND(0.0057)		ND(0.0046)			ND(0.0062)	ND(0.0065)	ND(0.0065)						ND (0.046)
		10	TO-15	2.24			ND(0.0055)	ND(0.0055)				ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)		ND(0.0049)	ND(0.0049)		0.0044			ND(0.0052)	ND(0.0055)	ND(0.0055)						0.041
		15	TO-15	2.58			ND(0.0063)	ND(0.0063)				ND(0.027)	ND(0.0041)	ND(0.0049)	ND(0.0056)		ND(0.0056)	ND(0.0056)		ND(0.0045)			ND(0.006)	ND(0.0063)	ND(0.0063)						ND (0.044)
		20	TO-15	2.38			ND(0.0058)	ND(0.0058)				ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)		ND(0.0042)			ND(0.0056)	ND(0.0058)	ND(0.0058)						ND (0.041)
		30	TO-15	2.53			ND(0.0062)	ND(0.0062)				ND(0.026)	ND(0.004)	ND(0.0048)	ND(0.0055)		ND(0.0055)	ND(0.0055)		ND(0.0044)			ND(0.0059)	ND(0.0062)	ND(0.0062)						ND (0.043)
		40	TO-15	2.47			ND(0.0061)	ND(0.0061)				ND(0.026)	ND(0.0039)	ND(0.0046)	ND(0.0054)		ND(0.0054)	ND(0.0054)		ND(0.0044)			ND(0.0058)	ND(0.0061)	ND(0.0061)						ND (0.043)
		40 Dup	TO-15	2.53			ND(0.0062)	ND(0.0062)				ND(0.026)	ND(0.004)	ND(0.0048)	ND(0.0055)		ND(0.0055)	ND(0.0055)		ND(0.0044)			ND(0.0059)	ND(0.0062)	ND(0.0062)						ND (0.043)
		50	TO-15	2.38			ND(0.0058)	ND(0.0058)				ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)		ND(0.0042)			ND(0.0056)	ND(0.0058)	ND(0.0058)						ND (0.041)
	Apr 2008	5	TO-15	2.53	ND(0.028)	ND(0.028)	ND(0.0062)	0.0075	ND(0.0051)	ND(0.0097)	ND(0.0046)	0.13 J	0.0069	0.022	0.014		0.029	0.02	ND(0.0044)	0.0079	0.01 J	ND(0.0054)	ND(0.0059)	0.027	0.061	ND(0.0028)	0.034				0.419
		10	TO-15	2.58	ND(0.028)	ND(0.028)	ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0099)	ND(0.0046)	ND(0.027) J	ND(0.0041)	ND(0.0049)	ND(0.0056)		ND(0.0056)	ND(0.0056)	ND(0.0044)	ND(0.0045)	ND(0.0053) J	ND(0.0055)	ND(0.006)	ND(0.0063)	ND(0.0063)	ND(0.0028)	ND(0.0063)				ND (0.094)
		15	TO-15	2.47	ND(0.027)	ND(0.027)	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0095)	ND(0.0044)	ND(0.026) J	ND(0.0039)	ND(0.0046)	ND(0.0054)		ND(0.0054)	ND(0.0054)	ND(0.0042)	ND(0.0044)	ND(0.0051) J	ND(0.0053)	ND(0.0058)	ND(0.0061)	ND(0.0061)	ND(0.0027)	ND(0.0061)				ND (0.091)
		20	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024) J	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048) J	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)				ND (0.086)
		30	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023) J	ND(0.0036)	0.0051	ND(0.0049)		0.0052	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046) J	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)				0.087
		40	TO-15	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025) J	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049) J	ND(0.0051)	ND(0.0056)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)				ND (0.087)
		50	TO-15	2.47	ND(0.027)	ND(0.027)	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0095)	ND(0.0044)	ND(0.026) J	ND(0.0039)	ND(0.0046)	ND(0.0054)		ND(0.0054)	ND(0.0054)	ND(0.0042)	ND(0.0044)	ND(0.0051) J	ND(0.0053)	ND(0.0058)	ND(0.0061)	ND(0.0061)	ND(0.0027)	ND(0.0061)				ND (0.091)
	Sep 2008	5	TO-15	2.53	ND(0.028)	ND(0.028)	ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0097)	ND(0.0046)	ND(0.026)	ND(0.004)	ND(0.0048)	ND(0.0055)		ND(0.0055)	ND(0.0055)	ND(0.0044)	ND(0.0044)	ND(0.0052)	ND(0.0054)	ND(0.0059)	ND(0.0062)	ND(0.0062)	ND(0.0028)	ND(0.0062)	ND(0.012)	ND(0.015)	ND(0.02)	ND(0.1164)
		10	TO-15	2.58	ND(0.028)	ND(0.028)	ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0099)	ND(0.0046)	ND(0.027)	ND(0.0041)	ND(0.0049)	ND(0.0056)		ND(0.0056)	ND(0.0056)	ND(0.0044)	ND(0.0045)	ND(0.0053)	ND(0.0055)	ND(0.006)	ND(0.0063)	ND(0.0063)	ND(0.0028)	ND(0.0063)	ND(0.012)	ND(0.015)	ND(0.021)	ND(0.11825)
		15	TO-15	2.38	ND(0.026)	ND(0.026) UJ	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025) UJ	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)	ND(0.011)	ND(0.014)	ND(0.019)	ND(0.1093)
		20	TO-15	2.47	ND(0.027)	ND(0.027) UJ	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0095)	ND(0.0044)	ND(0.026) UJ	ND(0.0039)	ND(0.0046)	ND(0.0054)		ND(0.0054)	ND(0.0054)	ND(0.0042)	ND(0.0044)	ND(0.0051)	ND(0.0053)	0.014 J	ND(0.0061)	ND(0.0061)	ND(0.0027)	ND(0.0061)	ND(0.012)	ND(0.014)	ND(0.02)	0.125
		20 Dup	TO-15	2.42	ND(0.026)	ND(0.026) UJ	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025) UJ	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056) UJ	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)	ND(0.012)	ND(0.014)	ND(0.019)	ND(0.1106)
		30	TO-15	2.38	ND(0.026)	ND(0.026) UJ	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025) UJ	ND(0.0038)	0.007 JB	0.0078		0.0085	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0058)	0.0087	ND(0.0026)	0.0087	ND(0.011)	ND(0.014)	ND(0.019)	0.137
		40	TO-15	2.2	ND(0.024)	ND(0.024)	ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)	ND(0.01)	ND(0.013)	ND(0.018)	ND(0.1011)
		50	TO-15	2.53	ND(0.028)	ND(0.028)	ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0097)	ND(0.0046)	ND(0.026)	ND(0.004)	ND(0.0048)	ND(0.0055)		ND(0.0055)	ND(0.0055)	ND(0.0044)	ND(0.0044)	ND(0.0052)	ND(0.0054)	ND(0.0059)	ND(0.0062)	ND(0.0062)	ND(0.0028)	ND(0.0062)	ND(0.012)	ND(0.015)	ND(0.02)	ND(0.1164)
		50 Dup	TO-15	2.53	ND(0.028)	ND(0.028)	ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0097)	ND(0.0046)	ND(0.026)	ND(0.004)	ND(0.0048)	ND(0.0055)		ND(0.0055)	ND(0.0055)	ND(0.0044)	ND(0.0044)	ND(0.0052)	ND(0.0054)	ND(0.0059)	ND(0.0062)	ND(0.0062)	ND(0.0028)	ND(0.0062)	ND(0.012)	ND(0.015)	ND(0.02)	ND(0.1164)

US EPA ARCHIVE DOCUMENT

TABLE 2-8a. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	TO Method	TO Dilution Factor	n-Butyl-benzene mg/m^3	sec-Butyl-benzene mg/m^3	Isopropyl-benzene mg/m^3	n-Propyl-benzene mg/m^3	1,2-Dichloro-ethane mg/m^3	1,2-Dibromo-ethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethyl-benzene mg/m^3	Total Xylenes mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclo-hexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	2,2,4-Trimethyl-pentane mg/m^3	1,3,5-Trimethyl-benzene mg/m^3	1,2,4-Trimethyl-benzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyl-toluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3	TVPH as gasoline mg/m^3
VW-129	Dec 2008	5	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)	ND(0.011)	ND(0.014)	ND(0.019)	ND(0.10770
		10	TO-15	2.16	ND(0.024)	ND(0.024)	ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)	ND(0.01)	ND(0.013)	ND(0.017)	ND(0.0998)
		15	TO-15	2.24	ND(0.024)	ND(0.024)	ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)	ND(0.011)	ND(0.013)	ND(0.018)	ND(0.1008)
		20	TO-15	2.13	ND(0.024)	ND(0.024)	ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)	ND(0.01)	ND(0.012)	ND(0.017)	ND(0.0993)
		30	TO-15	2.2	ND(0.024)	ND(0.024)	ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)	ND(0.01)	ND(0.013)	ND(0.018)	ND(0.1003)
		40	TO-15	2.29	ND(0.024)	ND(0.024)	ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)	ND(0.011)	ND(0.014)	ND(0.018)	ND(0.1013)
		50	TO-15	2.09	ND(0.024)	ND(0.024)	ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)	ND(0.0099)	ND(0.012)	ND(0.017)	ND(0.09925)
	Sep/Oct 2009	5	TO-15	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)	ND(0.012)	ND(0.014)	ND(0.019)	ND (0.1106)
		10	TO-15	2.39	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0048)	ND(0.0092)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0026)	ND(0.0059)	ND(0.011)	ND(0.014)	ND(0.019)	ND (0.1096)
		15	TO-15	2.48	ND(0.027)	ND(0.027)	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0095)	ND(0.0045)	ND(0.026)	ND(0.004)	ND(0.0047)	ND(0.0054)		ND(0.0054)	ND(0.0054)	ND(0.0043)	ND(0.0044)	ND(0.0051)	ND(0.0053)	ND(0.0058)	ND(0.0061)	ND(0.0061)	ND(0.0027)	ND(0.0061)	ND(0.012)	ND(0.015)	ND(0.02)	ND (0.1145)
		20	TO-15	2.39	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0048)	ND(0.0092)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0026)	ND(0.0059)	ND(0.011)	ND(0.014)	ND(0.019)	ND (0.1096)
		30	TO-15	2.64	ND(0.029)	ND(0.029)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.01)	ND(0.0048)	ND(0.028)	ND(0.0042)	ND(0.005)	ND(0.0057)		ND(0.0057)	ND(0.0057)	ND(0.0045)	ND(0.0046)	ND(0.0054)	ND(0.0056)	ND(0.0062)	ND(0.0065)	ND(0.0065)	ND(0.0029)	ND(0.0065)	ND(0.012)	ND(0.016)	ND(0.021)	ND (0.12155)
		40	TO-15	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)	ND(0.012)	ND(0.014)	ND(0.019)	ND (0.1106)
		50	TO-15	2.48	ND(0.027)	ND(0.027)	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0095)	ND(0.0045)	ND(0.026)	ND(0.004)	ND(0.0047)	ND(0.0054)		ND(0.0054)	ND(0.0054)	ND(0.0043)	ND(0.0044)	ND(0.0051)	ND(0.0053)	ND(0.0058)	ND(0.0061)	ND(0.0061)	ND(0.0027)	ND(0.0061)	ND(0.012)	ND(0.015)	ND(0.02)	ND (0.1145)
		50 Dup	TO-15	2.44	ND(0.027)	ND(0.027)	ND(0.006)	ND(0.006)	ND(0.0049)	ND(0.0094)	ND(0.0044)	ND(0.026)	ND(0.0039)	ND(0.0046)	ND(0.0053)		ND(0.0053)	ND(0.0053)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0057)	ND(0.006)	ND(0.006)	ND(0.0027)	ND(0.006)	ND(0.012)	ND(0.014)	ND(0.02)	ND (0.1131)
VW-130	Apr 2005	5	TO-15	2.76			ND(0.0068)	ND(0.0068)	ND(0.0056)	ND(0.011)	ND(0.005)	ND(0.029)	ND(0.0044)	ND(0.0052)	ND(0.006)		ND(0.006)	ND(0.006)	0.036	0.05	ND(0.0056)	ND(0.0059)	ND(0.0064)	ND(0.0068)	ND(0.0068)	ND(0.003)	ND(0.0068)				0.153
		10	TO-15	2.42			ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	0.004	0.0094	0.013		ND(0.0052)	0.0089	0.068	0.13	0.022	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)				0.301
		15	TO-15	2.42			ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	0.0072	0.0083		ND(0.0052)	0.0073	0.02	0.007	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)				0.100
		20	TO-15	2.58			ND(0.0063) R	ND(0.0063) R	ND(0.0052) R	ND(0.0099) R	ND(0.0046) R	ND(0.027) R	ND(0.0041) R	ND(0.0049) R	ND(0.0056) R		ND(0.0056) R	ND(0.0056) R	ND(0.0044) R	0.01 R	ND(0.0053) R	ND(0.0055) R	ND(0.006) R	ND(0.0063) R	ND(0.0063) R	ND(0.0028) R	ND(0.0063) R				
		30	TO-15	2.53			ND(0.0062) J	ND(0.0062) J	ND(0.0051) J	ND(0.0097) J	ND(0.0046) J	ND(0.026) J	0.01 J	0.058 J	0.0076 J		0.011J	0.0059 J	0.013 J	ND(0.0044) J	ND(0.0052) J	ND(0.0054) J	ND(0.0059) J	ND(0.0062) J	ND(0.0062) J	ND(0.0028) J	ND(0.0062) J				0.15555 J
		30 Dup	TO-15	2.58			ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0099)	ND(0.0046)	ND(0.027)	0.0092	0.055	0.0075 J		0.0086 J	ND(0.0056)	0.012	ND(0.0045)	ND(0.0053)	ND(0.0055)	ND(0.006)	ND(0.0063)	ND(0.0063)	ND(0.0028)	ND(0.0063)				0.146
		40	TO-15	2.76			ND(0.0068)	ND(0.0068)	ND(0.0056)	ND(0.011)	ND(0.005)	ND(0.029)	ND(0.0044)	ND(0.0052)	ND(0.006)		ND(0.006)	ND(0.006)	ND(0.0048)	0.005	ND(0.0056)	ND(0.0059)	ND(0.0064)	ND(0.0068)	ND(0.0068)	ND(0.003)	ND(0.0068)				0.074
		50	TO-15	2.53			ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0097)	ND(0.0046)	ND(0.026)	ND(0.004)	0.006	ND(0.0055)		ND(0.0055)	ND(0.0055)	ND(0.0044)	ND(0.0044)	ND(0.0052)	ND(0.0054)	ND(0.0059)	ND(0.0062)	ND(0.0062)	ND(0.0028)	ND(0.0062)				0.069
	May 2005	20	TO-15	2.2			ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)				ND (0.057)
		40	TO-15	2.58			ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0099)	ND(0.0046)	ND(0.027)	ND(0.0041)	ND(0.0049)	ND(0.0056)		ND(0.0056)	ND(0.0056)	ND(0.0044)	ND(0.0045)	ND(0.0053)	ND(0.0055)	ND(0.006)	ND(0.0063)	ND(0.0063)	ND(0.0028)	ND(0.0063)				ND (0.066)
	Apr 2008	5	TO-15	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025) J	ND(0.0039)	0.007	0.0052		0.0087	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005) J	ND(0.0052)	ND(0.0056) J	ND(0.0059)	0.0061	ND(0.0027)	ND(0.0059)				0.105
		10	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024) J	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048) J	ND(0.005)	ND(0.0054) J	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)				ND (0.086)
		15	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057) J	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024) J	ND(0.0037)	0.0086	0.0054 J		0.016	0.0053	ND(0.004)	ND(0.0041)	ND(0.0048) J	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)				0.111
		20	TO-15	2.33	ND(0.026) J	ND(0.026) J	ND(0.0057) J	ND(0.0057) J	ND(0.0047) J	ND(0.009) J	ND(0.0042) J	ND(0.024) J	ND(0.0037) J	ND(0.0044) J	ND(0.005) J		ND(0.005) J	ND(0.005) J	ND(0.004) J	0.039 J	ND(0.0048) J	ND(0.005) J	ND(0.0054) J	ND(0.0057) J	ND(0.0057) J	ND(0.0026)	ND(0.0057) J				0.123
		30	TO-15	77.7	ND(0.85) J	ND(0.85) J	ND(0.19) J	ND(0.19) J	ND(0.16) J	ND(0.3) J	ND(0.14) J	ND(0.81) J	ND(0.12) J	ND(0.15) J	ND(0.17) J		ND(0.17) J	ND(0.17) J	ND(0.13) J	ND(0.14) J	ND(0.16) J	ND(0.16) J	ND(0.18) J	ND(0.19) J	ND(0.19) J	ND(0.086)	ND(0.19) J				ND (2.848)
		40	TO-15	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025) J	ND(0.0038)	ND(0.0045)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	0.01 J	0.0088 J	ND(0.0051)	ND(0.0056)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)				0.102
		40 Dup	TO-15	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025) J	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043) J	ND(0.005) J	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)				ND (0.088)
	Sep 2008	5	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026) UJ	ND(0.0057)	ND(0.011)	ND(0.014)	ND(0.019)	ND(0.108)
		10	TO-15	2.2	ND(0.024)	ND(0.024)	ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)	ND(0.01)	ND(0.013)	ND(0.018)	ND(0.101)
		15	TO-15	2.2	ND(0.024)	ND(0.024)	ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	0.0043 JB	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)	ND(0.01)	ND(0.013)	ND(0.018)	0.103
		20	TO-15	2.2	ND(0.024)	ND(0.024)	ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)	ND(0.01)	ND(0.013)	ND(0.018)	ND(0.101)
		30	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)	0.015 JB	ND(0.014)	ND(0.019)	ND(0.117)
		40	TO-15	2.53	ND(0.028)	ND(0.028)	ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0097)	ND(0.0046)	ND(0.026)	ND(0.004)	ND(0.0048)	ND(0.0055)		ND(0.0055)	ND(0.0055)	ND(0.0044)	ND(0.0044)	ND(0.0052)	ND(0.0054)	ND(0.0059)	ND(0.0062)	ND(0.0062)	ND(0.0028)	ND(0.0062)	ND(0.012)	ND(0.015)	ND(0.02)	ND(0.116)
		40 Dup	TO-15	2.53	ND(0.028)	ND(0.028)	ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0097)	ND(0.0046)	ND(0.026)	ND(0.004)	ND(0.0048)	ND(0.0055)		ND(0.0055)	ND(0.0055)	ND(0.0044)	ND(0.0044)	ND(0.0052)	ND(0.0054)	ND(0.0059)	ND(0.0062)	ND(0.0062)	ND(0.0028)	ND(0.0062)	ND(0.012)	ND(0.015)	ND(0.02)	ND(0.116)
	Dec 2008	5	TO-15	2.2	ND(0.024)	ND(0.024)	ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	ND(0.0041)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	ND(0.0054)	ND(0.0024)	ND(0.0054)	ND(0.01)	ND(0.013)	ND(0.018)	ND(0.101)
		10	TO-15	2.05	ND(0.022)	ND(0.022)	ND(0.005)	ND(0.005)	ND(0.0041)	ND(0.0079)	ND(0.0037)	ND(0.021)	ND(0.0033)	ND(0.0039)	ND(0.0044)		ND(0.0044)	ND(0.0044)	ND(0.0035)	ND(0.0036)	ND(0.0042)	ND(0.0044)	ND(0.0048)	ND(0.005)	ND(0.005)	ND(0.0023)	ND(0.005)	ND(0.0097)	ND(0.012)	ND(0.016)	ND(0.093)
		15	TO-15	2.13	ND(0.023)	ND(0.023)	ND(0.0052)	ND(0.0052)	ND(0.0043)	ND(0.0082)	ND(0.0038)	ND(0.022)	ND(0.0034)	ND(0.004)	ND(0.0046)		ND(0.0046)	ND(0.0046)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0045)	ND(0.005)	ND(0.0052)	ND(0.0052)	ND(0.0024)	ND(0.0052)	ND(0.01)	ND(0.012)	ND(0.017)	ND(0.097)
		20	TO-15	2.16	ND(0.024)	ND(0.024)	ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	ND(0.0034)	0.01	ND(0.0047)		0.017	0.0084	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	0.0069	0.029	ND(0.0024)	0.014	ND(0.01)	ND(0.013)	ND(0.017)	0.17
		30	TO-15	2.05	ND(0.022)	ND(0.022)	ND(0.005)	ND(0.005)	ND(0.0041)	ND(0.0079)	ND(0.0037)	ND(0.021)	ND(0.0033)	ND(0.0039)	ND(0.0044)		ND(0.0044)	ND(0.0044)	ND(0.0035)	ND(0.0036)	ND(0.0042)	ND(0.0044)	ND(0.0048)	ND(0.005)	ND(0.005)	ND(0.0023)	ND(0.005)	ND(0.0097)	ND(0.012)	ND(0.016)	ND(0.093)
		40	TO-15	2.53	ND(0.028)	ND(0.028)	ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0097)	ND(0.0046)	ND(0.026)	ND(0.004)	ND(0.0048)	ND(0.0055)		ND(0.0055)	ND(0.0055)	ND(0.0044)	ND(0.0044)	ND(0.0052)	ND(0.0054)	ND(0.0059)	ND(0.0062)	ND(0.0062)	ND(0.0028)	ND(0.0062)	ND(0.012)	ND(0.015)	ND(0.02)	ND(0.116)
		40 Dup	TO-15	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)	ND(0.012)	ND(0.014)	ND(0.019)	ND(0.111)

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TABLE 2-8a. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	TO Method	TO Dilution Factor	n-Butyl-benzene mg/m^3	sec-Butyl-benzene mg/m^3	Isopropyl-benzene mg/m^3	n-Propyl-benzene mg/m^3	1,2-Dichloro-ethane mg/m^3	1,2-Dibromo-ethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethyl-benzene mg/m^3	Total Xylenes mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclo-hexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	2,2,4-Trimethyl-pentane mg/m^3	1,3,5-Trimethyl-benzene mg/m^3	1,2,4-Trimethyl-benzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyl-toluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3	TVPH as gasoline mg/m^3
VW-130	Sep/Oct 2009	5	TO-15	2.37	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0051)		0.01	ND(0.0051)	ND(0.0041)	ND(0.0042)	ND(0.0048)	ND(0.005)	ND(0.0055)	ND(0.0058)	0.011	ND(0.0026)	0.0064	ND(0.011)	ND(0.014)	ND(0.019)	0.12805
		10	TO-15	2.35	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.009)	ND(0.0042)	ND(0.025)	0.016	ND(0.0044)	ND(0.0051)		ND(0.0051)	ND(0.0051)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0055)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)	ND(0.011)	ND(0.014)	ND(0.019)	0.12285
		15	TO-15	2.28	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.0049)		ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.013)	ND(0.018)	ND (0.10475)
		20	TO-15	2.39	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0048)	ND(0.0092)	ND(0.0043)	ND(0.025)	ND(0.0038)	0.0076	ND(0.0052)		ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0026)	ND(0.0059)	0.018	ND(0.014)	ND(0.019)	0.12745
		30	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	0.0077	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)	ND(0.011)	0.015	ND(0.019)	0.1212
		40	TO-15	2.68	ND(0.029)	ND(0.029)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.01)	ND(0.0048)	ND(0.028)	ND(0.0043)	ND(0.005)	ND(0.0058)		ND(0.0058)	ND(0.0058)	ND(0.0046)	ND(0.0047)	ND(0.0055)	ND(0.0057)	ND(0.0062)	ND(0.0066)	ND(0.0066)	ND(0.003)	ND(0.0066)	ND(0.013)	ND(0.016)	ND(0.022)	ND (0.1233)
		40 Dup	TO-15	2.71	ND(0.03)	ND(0.03)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.01)	ND(0.0049)	ND(0.028)	ND(0.0043)	ND(0.0051)	ND(0.0059)		ND(0.0059)	ND(0.0059)	ND(0.0047)	ND(0.0048)	ND(0.0056)	ND(0.0058)	ND(0.0063)	ND(0.0067)	ND(0.0067)	ND(0.003)	ND(0.0067)	ND(0.013)	ND(0.016)	ND(0.022)	ND (0.1251)
VW-139	Jul 2009	5	TO-15	3.95	ND(0.043)	ND(0.043)	ND(0.0097)	ND(0.0097)	ND(0.008)	ND(0.015)	ND(0.0071)	ND(0.041)	0.0011 J	ND(0.0074)	0.0038 J		0.0017 J	ND(0.0086)	ND(0.0068)	ND(0.007)	ND(0.0081)	ND(0.0084)	ND(0.0092)	ND(0.0097)	ND(0.0097)	ND(0.0044)	ND(0.0097)	ND(0.019)	ND(0.023)	ND(0.032)	0.17635
		10	TO-15	2.29	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	0.0088	0.02	0.0042 J		0.02	0.0095	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0053)	ND(0.0056)	0.012	ND(0.0025)	0.0061	ND(0.011)	ND(0.014)	ND(0.018)	0.1689
		15	TO-15	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	0.0005 J	0.0009 J	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)	ND(0.011)	ND(0.014)	ND(0.019)	0.10505
		20	TO-15	4.76	ND(0.052)	ND(0.052)	ND(0.012)	ND(0.012)	ND(0.0096)	ND(0.018)	ND(0.0086)	ND(0.05)	0.003 J	0.005 J	0.0022 J		0.0031 J	ND(0.01)	ND(0.0082)	ND(0.0084)	ND(0.0098)	ND(0.01)	ND(0.011)	ND(0.012)	ND(0.012)	ND(0.0053)	ND(0.012)	ND(0.023)	ND(0.028)	ND(0.038)	0.21425
		30	TO-15	4.66	ND(0.051)	ND(0.051)	ND(0.011)	ND(0.011)	ND(0.0094)	ND(0.018)	ND(0.0084)	ND(0.049)	ND(0.0074)	ND(0.0088)	ND(0.01)		ND(0.01)	ND(0.01)	ND(0.008)	ND(0.0082)	ND(0.0095)	ND(0.0099)	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.0052)	ND(0.011)	ND(0.022)	ND(0.028)	ND(0.037)	ND(0.2134)
	Sep/Oct 2009	5	TO-15	2.23	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0048)		ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0047)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)	ND(0.10225)
		10	TO-15	2.3	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0037)	ND(0.0043)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0054)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.014)	ND(0.018)	ND(0.1055)
		15	TO-15	2.28	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.0049)		0.005 J	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.013)	ND(0.018)	0.10725
		20	TO-15	2.16	ND(0.024)	ND(0.024)	ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	0.0057	ND(0.0041)	ND(0.0047)		ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)	ND(0.01)	ND(0.013)	ND(0.017)	0.1038
		30	TO-15	2.31	ND(0.025)	ND(0.025)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.0089)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0047)	ND(0.0049)	0.0084	ND(0.0057)	0.0062	ND(0.0026)	ND(0.0057)	ND(0.011)	ND(0.014)	ND(0.018)	0.1151
		40	TO-15	632	ND(69)	ND(69)	ND(16)	ND(16)	ND(13)	ND(24)	ND(11)	ND(66)	ND(10)	ND(12)	ND(14)		24 J	ND(14)	440	320	260 J	ND(13)	2400	ND(16)	ND(16)	ND(7)	ND(16)	34	1200	780	5659
		40 Dup	TO-15	625	ND(69)	ND(69)	ND(15)	ND(15)	ND(13)	ND(24)	ND(11)	ND(66)	ND(10)	ND(12)	14 J		31 J	ND(14)	510	370	310 J	ND(13)	2800	ND(15)	22	ND(6.9)	ND(15)	38	1400	920	6598.95

NOTES:

1 - The detection limits reported in units of mg/m^3 in Table C-10-B of ESE 1999 for VW-96 at 20 ft-bgs for the December 1997 event were incorrect based on Table C-10-A of ESE 1999. Therefore, the corrected detection limits are provided on this table.
data
reported

3 - For data collected during 2005-2007 reported as "ND" additional data qualifier flags are not shown on this table. See Trihydro and GeoSyntec 2005 and Appendix A of this report for data qualifier information.

B - Constituent detected in blank sample

C - Sample chromatographic pattern is not indicative of the standard patterns used to calibrate the gas chromatograph

DX – Analyte concentration in the initial dilution exceeded instrument calibration range. The reported value for the qualified analyte is from an analysis run at higher dilution.

Dup - Blind Duplicate Sample

E – Concentration of analyte exceeded instrument calibration range

J – estimated concentration

M - Reported value may be biased due to apparent matrix interferences

mg/m^3 - milligram per cubic meter

ND - Not detected

SS - Sample collected from stainless steel probe

TVPH - Total volatile petroleum hydrocarbons as gasoline

R – Value has been rejected and should not be used for qualitative or quantitative purposes

U – Detected in blank sample, 1997-1999 results changed to non detect; subsequent results reported

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TABLE 2-8b. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, SOLVENT RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Acetone mg/m^3	2-Butanone mg/m^3	Carbon tetrachloride mg/m^3	Chloro-benzene mg/m^3	1,1-Dichloro-ethane mg/m^3	1,1-Dichloro-ethene mg/m^3	cis-1,2-Dichloroethene mg/m^3	trans-1,2-Dichloroethene mg/m^3	1,4-Dioxane mg/m^3	Hexachloro-butadiene mg/m^3	2-Hexanone mg/m^3	Isopropanol mg/m^3	4-Methyl-2-Pentanone mg/m^3	Methylene Chloride mg/m^3	1,1,2,2-Tetrachloro-ethane mg/m^3	Tetrachloro-ethene mg/m^3	Tetrahydro-furan mg/m^3	1,1,1-Trichloro-ethane mg/m^3	1,1,2-Trichloro-ethane mg/m^3	Trichloro-ethene mg/m^3	Vinyl Chloride mg/m^3
VW-93A	Mar 2005	5	2.33	ND(0.011)	ND(0.0034)	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.011)	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
	Sep 2005	5	2.82	0.047	0.0062	ND(0.0089)	ND(0.0065)	ND(0.0057)	ND(0.0056)	ND(0.0056)	ND(0.0056)	ND(0.02)	ND(0.06)	ND(0.023)	ND(0.014)	ND(0.0058)	ND(0.0049)	ND(0.0097)	ND(0.0096)	ND(0.017)	ND(0.0077)	ND(0.0077)	ND(0.0076)	ND(0.0036)
	Apr 2008	5	2.42	0.021	0.0048	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	0.12	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
	Sep 2008	5	2.33	0.037 JB	0.01 JB	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.011)	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		5 Dup	2.38	0.022 U	0.0039 U	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.019)	ND(0.012)	ND(0.0049)	ND(0.0041)	ND(0.0082)	ND(0.0081)	ND(0.0035)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
	Dec 2008	5	2.02	ND(0.0096) UJ	ND(0.003)	ND(0.0064)	ND(0.0046)	ND(0.0041)	ND(0.004)	ND(0.004)	ND(0.004)	ND(0.014)	ND(0.043)	ND(0.016)	ND(0.0099)	ND(0.0041)	ND(0.0035)	ND(0.0069)	ND(0.0068)	ND(0.003)	ND(0.0055)	ND(0.0055)	ND(0.0054)	ND(0.0026)
	Sep/Oct 2009	5	2.16	0.026	0.0067	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046) UJ	ND(0.018)	ND(0.011)	ND(0.0044)	ND(0.0038)	ND(0.0074)	ND(0.0073)	ND(0.0032)	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
VW-93	Mar 2005	10	2.96	0.015	ND(0.0044)	ND(0.0093)	ND(0.0068)	ND(0.006)	ND(0.0059)	ND(0.0059)	ND(0.0059)	ND(0.021)	ND(0.063)	ND(0.024)	ND(0.014)	ND(0.0061)	ND(0.0051)	ND(0.01)	ND(0.01)	0.0044	ND(0.0081)	ND(0.0081)	ND(0.008)	ND(0.0038)
		15	2.76	ND(0.013)	ND(0.0041)	ND(0.0087)	ND(0.0064)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0055)	ND(0.02)	ND(0.059)	ND(0.023)	ND(0.014)	ND(0.0056)	ND(0.0048)	ND(0.0095)	ND(0.0094)	ND(0.0041)	ND(0.0075)	ND(0.0075)	ND(0.0074)	ND(0.0035)
		20	2.33	0.017	ND(0.0034)	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.011)	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		20 Dup	2.42	0.012	ND(0.0036)	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		25	2.69	0.031	0.0077	ND(0.0085)	ND(0.0062)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0053)	ND(0.019)	ND(0.057)	ND(0.022)	ND(0.013)	ND(0.0055)	ND(0.0047)	ND(0.0092)	ND(0.0091)	0.004	ND(0.0073)	ND(0.0073)	ND(0.0072)	ND(0.0034)
		30	2.53	0.02	0.0075	ND(0.008)	ND(0.0058)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.018)	ND(0.054)	ND(0.021)	ND(0.012)	ND(0.0052)	ND(0.0044)	ND(0.0087)	ND(0.0086)	0.0044	ND(0.0069)	ND(0.0069)	ND(0.0068)	ND(0.0032)
		35	2.29	0.016	0.0043	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049)	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.0034)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		40	2.24	0.016	0.0034	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	0.0035	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		45	2.42	0.013	ND(0.0036)	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		50	2.64	0.014	0.012	ND(0.0083)	ND(0.0061)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.0052)	ND(0.019)	ND(0.056)	ND(0.022)	ND(0.013)	ND(0.0054)	ND(0.0046)	ND(0.0091)	ND(0.009)	0.023	ND(0.0072)	ND(0.0072)	ND(0.0071)	ND(0.0034)
		55	2.58	0.32	0.06	ND(0.0081)	ND(0.0059)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0051)	ND(0.018)	ND(0.055)	ND(0.021)	0.032	ND(0.0053)	ND(0.0045)	ND(0.0088)	ND(0.0088)	0.0063	ND(0.007)	ND(0.007)	ND(0.0069)	ND(0.0033)
		60	440	ND(2.1)	ND(0.65)	ND(1.4)	ND(1)	ND(0.89)	ND(0.87)	ND(0.87)	ND(0.87)	ND(3.2)	ND(9.4)	ND(3.6)	ND(2.2)	ND(0.9)	ND(0.76)	ND(1.5)	ND(1.5)	ND(0.65)	ND(1.2)	ND(1.2)	ND(1.2)	ND(0.56)
	Sep 2005	10	2.24	0.058	0.0049	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	0.048	ND(0.0046)	0.14	ND(0.0077)	ND(0.0076)	ND(0.013)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		15	2.2	0.048	0.0034	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	0.046	ND(0.0045)	0.17	ND(0.0076)	ND(0.0075)	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		20	2.2	0.04	0.0052	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		25	2.24	0.039	0.0058	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.013)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		30	2.24	0.055	0.0099	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.013)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		35	2.29	0.035	0.0042	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049)	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.014)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		40	2.2	0.027	0.0044	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		45	2.2	0.013 U	ND(0.0032)	ND(0.0069)	0.049	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		50	2.24	0.018	ND(0.0033)	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.013)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		55	2.24	0.012 U	ND(0.0033)	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.013)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		60	2.2	0.026 U	0.0041 U	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
	Oct 2005	30	2.2	ND(0.01)	ND(0.0032)	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		35	2.13	ND(0.01)	ND(0.0031)	ND(0.0067)	ND(0.0049)	ND(0.0043)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.015)	ND(0.045)	ND(0.017)	ND(0.01)	ND(0.0044)	ND(0.0037)	ND(0.0073)	ND(0.0072)	ND(0.012)	ND(0.0058)	ND(0.0058)	ND(0.0057)	ND(0.0027)
		40	2.09	ND(0.0099)	ND(0.0031)	ND(0.0066)	ND(0.0048)	ND(0.0042)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0043)	ND(0.0036)	ND(0.0072)	ND(0.0071)	ND(0.012)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0027)
		45	2.16	0.012	0.0036	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046)	ND(0.018)	ND(0.011)	ND(0.0044)	ND(0.0038)	ND(0.0074)	ND(0.0073)	ND(0.013)	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
		50	2.2	0.017	0.0037	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		60	2.13	0.023	0.0048	ND(0.0067)	ND(0.0049)	ND(0.0043)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.015)	ND(0.045)	ND(0.017)	ND(0.01)	ND(0.0044)	ND(0.0037)	ND(0.0073)	ND(0.0072)	ND(0.012)	ND(0.0058)	ND(0.0058)	ND(0.0057)	ND(0.0027)
	Apr 2008	10	25.3	ND(0.12) J	ND(0.037)	ND(0.08)	ND(0.058)	ND(0.051)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.18)	ND(0.54)	ND(0.21)	8.6 J	ND(0.052)	ND(0.044)	ND(0.087)	ND(0.086)	ND(0.037)	ND(0.069)	ND(0.069)	ND(0.068)	ND(0.032)
		10 Dup	33.7	ND(0.16) J	ND(0.05)	ND(0.11)	ND(0.078)	ND(0.068)	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.24)	ND(0.72)	ND(0.28)	14 J	ND(0.069)	ND(0.058)	ND(0.12)	ND(0.11)	ND(0.05)	ND(0.092)	ND(0.092)	ND(0.09)	ND(0.043)
		15	2.33	0.012 J	0.02	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	0.011 JB	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		20	2.58	ND(0.012) J	ND(0.0038)	ND(0.0081)	ND(0.0059)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0051)	ND(0.018)	ND(0.055)	ND(0.021)	ND(0.013) J	ND(0.0053)	ND(0.0045)	ND(0.0088)	ND(0.0088)	ND(0.0038)	ND(0.007)	ND(0.007)	ND(0.0069)	ND(0.0033)
		20 Dup	2.58	0.029 J	0.0048	ND(0.0081)	ND(0.0059)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0051)	ND(0.018)	ND(0.055)	ND(0.021)	0.052 J	ND(0.0053)	ND(0.0045)	ND(0.0088)	ND(0.0088)	ND(0.0038)	ND(0.007)	ND(0.007)	ND(0.0069)	ND(0.0033)
		25	2.33	ND(0.011) J	0.0037	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.011)	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		30	2.42	ND(0.011) J	0.0074	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	0.021	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		35	2.29	ND(0.011)	ND(0.0034)	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049)	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.0034)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		40	2.53	0.17	0.033	ND(0.008)	ND(0.0058)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.018)	ND(0.054)	ND(0.021)	0.029	ND(0.0052)	ND(0.0044)	ND(0.0087)	ND(0.0086)	ND(0.0037)	ND(0.0069)	ND(0.0069)	ND(0.0068)	ND(0.0032)
		45	2.38	0.048	0.0097	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.019)	ND(0.012)	ND(0.0049)	ND(0.0041)	ND(0.0082)	ND(0.0081)	ND(0.0035)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		50	2.47	0.028	ND(0.0036)	ND(0.0078)	ND(0.0057)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0049)	ND(0.018)	ND(0.053)	ND(0.02)	ND(0.012)	ND(0.005)	0.18	ND(0.0085)	ND(0.0084)	ND(0.0036)	ND(0.0067)	ND(0.0067)	ND(0.0066)	ND(0.0032)
		55	2.53	0.084	0.031	ND(0.008)	ND(0.0058)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.018)	ND(0.054)	ND(0.021)	0.082	ND(0.0052)	ND(0.0044)	ND(0.0087)	ND(0.0086)	0.0038	ND(0.0069)	ND(0.0069)	ND(0.0068)	ND(0.0032)

US EPA ARCHIVE DOCUMENT

TABLE 2-8b. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, SOLVENT RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Acetone mg/m³	2-Butanone mg/m³	Carbon tetrachloride mg/m³	Chloro-benzene mg/m³	1,1-Dichloro-ethane mg/m³	1,1-Dichloro-ethene mg/m³	cis-1,2-Dichloroethene mg/m³	trans-1,2-Dichloroethene mg/m³	1,4-Dioxane mg/m³	Hexachloro-butadiene mg/m³	2-Hexanone mg/m³	Isopropanol mg/m³	4-Methyl-2-Pentanone mg/m³	Methylene Chloride mg/m³	1,1,2,2-Tetrachloro-ethane mg/m³	Tetrachloro-ethene mg/m³	Tetrahydro-furan mg/m³	1,1,1-Trichloro-ethane mg/m³	1,1,2-Trichloro-ethane mg/m³	Trichloro-ethene mg/m³	Vinyl Chloride mg/m³
VW-93	Sep 2008	10	2.33	0.014 U	0.007 JB	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	0.012 U	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		15	2.24	0.011 U	0.03 U	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	0.011 U	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		20	2.53	0.016 U	0.0039 U	ND(0.008)	ND(0.0058)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.018)	ND(0.054)	ND(0.021)	0.042 JB	ND(0.0052)	ND(0.0044)	ND(0.0087)	ND(0.0086)	ND(0.0037)	ND(0.0069)	ND(0.0069)	ND(0.0068)	ND(0.0032)
		20 Dup	2.47	0.084 JB	0.024 JB	ND(0.0078)	ND(0.0057)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0049)	ND(0.018)	ND(0.053)	ND(0.02)	0.029 U	ND(0.005)	ND(0.0043)	ND(0.0085)	ND(0.0084)	ND(0.0036)	ND(0.0067)	ND(0.0067)	ND(0.0066)	ND(0.0032)
		25	2.24	0.017 U	0.015 JB	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	0.013 U	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		30	2.38	0.024 JB	0.012 JB	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.019)	ND(0.012)	ND(0.0049)	ND(0.0041)	ND(0.0082)	ND(0.0081)	0.0059	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		35	2.33	0.016 U	ND(0.0034)	ND(0.0073)	ND(0.0054)	0.0052	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.011)	ND(0.0048)	0.01	ND(0.008)	ND(0.0079)	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		40	2.29	0.042 JB	0.0098 JB	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049)	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	0.0042	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		45	2.47	0.014 U	0.03 U	ND(0.0078)	ND(0.0057)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0049)	ND(0.018)	ND(0.053)	ND(0.02)	0.088 JB	ND(0.005)	ND(0.0043)	ND(0.0085)	ND(0.0084)	0.0041	ND(0.0067)	ND(0.0067)	ND(0.0066)	ND(0.0032)
		50	2.33	0.014 U	0.018 JB	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.011)	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		55	2.33	0.021 U	0.0077 JB	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	0.012 U	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		60	2.38	ND(0.011)	0.013 JB	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.019)	ND(0.012)	ND(0.0049)	ND(0.0041)	ND(0.0082)	ND(0.0081)	ND(0.0035)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
	Dec 2008	10	2.16	0.3 J	0.069	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046)	ND(0.018)	ND(0.011)	ND(0.0044)	0.0067	ND(0.0074)	ND(0.0073)	ND(0.0032)	ND(0.0059)	ND(0.0059)	0.019	ND(0.0028)
		15	2.24	0.029 JB	0.03 JB	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		20	2.02	ND(0.0096) UJ	ND(0.003)	ND(0.0064)	ND(0.0046)	ND(0.0041)	ND(0.004)	ND(0.004)	ND(0.004)	ND(0.014)	ND(0.043)	ND(0.016)	ND(0.0099)	ND(0.0041)	ND(0.0035)	ND(0.0069)	ND(0.0068)	ND(0.003)	ND(0.0055)	ND(0.0055)	ND(0.0054)	ND(0.0026)
		25	2.09	ND(0.0099) UJ	ND(0.0031)	ND(0.0066)	ND(0.0048)	ND(0.0042)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0043)	ND(0.0036)	ND(0.0072)	ND(0.0071)	ND(0.0031)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0027)
		30	2.13	0.055 JB	0.086	ND(0.0067)	ND(0.0049)	ND(0.0043)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.015)	ND(0.045)	ND(0.017)	ND(0.01)	ND(0.0044)	ND(0.0037)	ND(0.0073)	ND(0.0072)	0.16	ND(0.0058)	ND(0.0058)	ND(0.0057)	ND(0.0027)
		35	2.16	0.06 JB	0.0088 JB	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046)	ND(0.018)	ND(0.011)	ND(0.0044)	ND(0.0038)	ND(0.0074)	ND(0.0073)	ND(0.0032)	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
		40	2.09	0.34 J	0.097	ND(0.0066)	ND(0.0048)	ND(0.0042)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0043)	ND(0.0036)	ND(0.0072)	ND(0.0071)	ND(0.0031)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0027)
		45	2.24	ND(0.011) UJ	ND(0.0033)	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		50	2.13	0.091 JB	0.018 JB	ND(0.0067)	ND(0.0049)	ND(0.0043)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.015)	ND(0.045)	ND(0.017)	ND(0.01)	ND(0.0044)	ND(0.0037)	ND(0.0073)	ND(0.0072)	ND(0.0031)	ND(0.0058)	ND(0.0058)	ND(0.0057)	ND(0.0027)
		55	2.02	ND(0.0096) UJ	ND(0.003)	ND(0.0064)	ND(0.0046)	ND(0.0041)	ND(0.004)	ND(0.004)	ND(0.004)	ND(0.014)	ND(0.043)	ND(0.016)	0.038 J	ND(0.0041)	ND(0.0035)	ND(0.0069)	0.024 J	ND(0.003)	ND(0.0055)	ND(0.0055)	ND(0.0054)	ND(0.0026)
		55 Dup	2.16	ND(0.01) UJ	ND(0.0032)	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046)	ND(0.018)	0.029 J	ND(0.0044)	ND(0.0038)	ND(0.0074)	ND(0.0073) UJ	ND(0.0032)	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
		60	2.09	ND(0.0099)	ND(0.0031)	ND(0.0066)	ND(0.0048)	ND(0.0042)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0043)	ND(0.0036)	ND(0.0072)	ND(0.0071)	ND(0.0031)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0027)
	Sep/Oct 2009	10	2.41	0.043	0.0065	ND(0.0076)	ND(0.0055)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.051)	ND(0.02) UJ	0.046	ND(0.0049)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		15	2.16	0.022	0.065	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046)	ND(0.018) UJ	ND(0.011)	ND(0.0044)	ND(0.0038)	ND(0.0074)	ND(0.0073)	0.0041	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
		20	2.31	0.081	0.016	ND(0.0073)	ND(0.0053)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.049)	ND(0.019) UJ	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	0.0043	ND(0.0063)	ND(0.0063)	ND(0.0062)	ND(0.003)
		25	2.3	0.023	0.0058	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.016)	ND(0.049)	ND(0.019) UJ	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.0034)	ND(0.0063)	ND(0.0063)	ND(0.0062)	ND(0.0029)
		30	2.41	0.027	0.011	ND(0.0076)	ND(0.0055)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.051)	ND(0.02) UJ	ND(0.012)	ND(0.0049)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		35	2.3	0.039	0.012	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.016)	ND(0.049)	ND(0.019) UJ	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.0034)	ND(0.0063)	ND(0.0063)	ND(0.0062)	ND(0.0029)
		40	2.37	0.028	0.0079	ND(0.0074)	ND(0.0054)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.05)	ND(0.019) UJ	ND(0.012)	ND(0.0048)	ND(0.0041)	ND(0.0081)	ND(0.008)	ND(0.0035)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		45	2.42	0.05	0.023	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02) UJ	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		50	2.44	0.057 J	0.017	ND(0.0077)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.018)	ND(0.052)	ND(0.02) UJ	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0084)	ND(0.0083)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0031)
		50 Dup	2.44	0.034 J	0.017	ND(0.0077)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.018)	ND(0.052)	0.023 J	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0084)	ND(0.0083)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0031)
		55	2.44	0.016	0.0071	ND(0.0077)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.018)	ND(0.052)	ND(0.02) UJ	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0084)	ND(0.0083)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0031)
		60	2.42	0.066	0.039	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02) UJ	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
VW-96A	Mar 2005	5	2.05	0.37	0.19	ND(0.0064)	ND(0.0047)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	0.11	0.024	0.0088	ND(0.007)	ND(0.007)	0.029	ND(0.0056)	ND(0.0056)	ND(0.0055)	ND(0.0026)
	Sep 2005	5	2.96	0.035	ND(0.0044)	ND(0.0093)	ND(0.0068)	ND(0.006)	ND(0.0059)	ND(0.0059)	ND(0.0059)	ND(0.021)	ND(0.063)	ND(0.024)	ND(0.014)	ND(0.0061)	0.0057	ND(0.01)	ND(0.01)	ND(0.017)	ND(0.0081)	ND(0.0081)	ND(0.008)	ND(0.0038)
	Jun/Jul 2006	5	2.33	0.011	0.0035	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.011)	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.014)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
	Apr 2008	5	2.05	0.018	ND(0.003)	ND(0.0064)	ND(0.0047)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	0.28	ND(0.0042)	ND(0.0036)	ND(0.007)	ND(0.007)	ND(0.003)	ND(0.0056)	ND(0.0056)	ND(0.0055)	ND(0.0026)
	Sep 2008	5	2.33	0.18 JB	0.092	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	0.056	0.035 JB	0.0071	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
	Dec 2008	5	7.63	ND(0.36)	ND(0.11)	ND(0.24)	ND(0.18)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.55)	ND(1.6)	ND(0.62)	ND(0.38)	ND(0.16)	ND(0.13)	ND(0.26)	ND(0.26)	ND(0.11)	ND(0.21)	ND(0.21)	ND(0.2)	ND(0.098)
	Mar 2009	5	2.42	ND(0.011)	ND(0.0036)	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
	Sep/Oct 2009	5	220	ND(10)	ND(3.2)	ND(6.9)	ND(5.1)	ND(4.4)	ND(4.4)	ND(4.4)	ND(4.4)	ND(16)	ND(47) UJ	ND(18)	ND(11)	ND(4.5)	ND(3.8)	ND(7.6)	ND(7.5)	ND(3.2)	ND(6)	ND(6)	ND(5.9)	ND(2.8)

US EPA ARCHIVE DOCUMENT

TABLE 2-8b. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, SOLVENT RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Acetone mg/m³	2-Butanone mg/m³	Carbon tetrachloride mg/m³	Chloro-benzene mg/m³	1,1-Dichloro-ethane mg/m³	1,1-Dichloro-ethene mg/m³	cis-1,2-Dichloroethene mg/m³	trans-1,2-Dichloroethene mg/m³	1,4-Dioxane mg/m³	Hexachloro-butadiene mg/m³	2-Hexanone mg/m³	Isopropanol mg/m³	4-Methyl-2-Pentanone mg/m³	Methylene Chloride mg/m³	1,1,2,2-Tetrachloro-ethane mg/m³	Tetrachloro-ethene mg/m³	Tetrahydro-furan mg/m³	1,1,1-Trichloro-ethane mg/m³	1,1,2-Trichloro-ethane mg/m³	Trichloro-ethene mg/m³	Vinyl Chloride mg/m³
VW-96	Mar 2005	10	2.13	ND(0.01)	ND(0.0031)	ND(0.0067)	ND(0.0049)	ND(0.0043)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.015)	ND(0.045)	ND(0.017)	ND(0.01)	ND(0.0044)	ND(0.0037)	ND(0.0073)	ND(0.0072)	ND(0.0031)	ND(0.0058)	ND(0.0058)	ND(0.0057)	ND(0.0027)
		15	2.16	ND(0.01)	ND(0.0032)	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046)	ND(0.018)	ND(0.011)	ND(0.0044)	ND(0.0038)	0.0086	ND(0.0073)	ND(0.0032)	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
		20	2.38	ND(0.011)	ND(0.0035)	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.019)	ND(0.012)	ND(0.0049)	ND(0.0041)	ND(0.0082)	ND(0.0081)	ND(0.0035)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		25	2.13	ND(0.01)	ND(0.0031)	ND(0.0067)	ND(0.0049)	ND(0.0043)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.015)	ND(0.045)	ND(0.017)	ND(0.01)	ND(0.0044)	ND(0.0037)	ND(0.0073)	0.011	ND(0.0031)	ND(0.0058)	ND(0.0058)	ND(0.0057)	ND(0.0027)
		30	1.75	ND(0.0083)	ND(0.0026)	ND(0.0055)	ND(0.004)	ND(0.0035)	ND(0.0035)	ND(0.0035)	ND(0.0035)	ND(0.013)	ND(0.037)	ND(0.014)	ND(0.0086)	ND(0.0036)	ND(0.003)	ND(0.006)	0.006	ND(0.0026)	ND(0.0048)	ND(0.0048)	ND(0.0047)	ND(0.0022)
		35	1.79	0.011 R	ND(0.0026) R	ND(0.0056) R	ND(0.0041) R	ND(0.0036) R	ND(0.0035) R	ND(0.0035) R	ND(0.0035) R	ND(0.013) R	ND(0.038) R	ND(0.015) R	ND(0.0088) R	ND(0.0037) R	0.1 R	ND(0.0061) R	ND(0.0061) R	ND(0.0026) R	ND(0.0049) R	ND(0.0049) R	ND(0.0048) R	ND(0.0023) R
		40	1.58	ND(0.0075)	ND(0.0023)	ND(0.005)	ND(0.0036)	ND(0.0032)	ND(0.0031)	ND(0.0031)	ND(0.0031)	ND(0.011)	ND(0.034)	ND(0.013)	ND(0.0078)	ND(0.0032)	ND(0.0027)	ND(0.0054)	0.0061	ND(0.0023)	ND(0.0043)	ND(0.0043)	ND(0.0042)	ND(0.002)
		45	1.55	ND(0.0074)	ND(0.0023)	ND(0.0049)	ND(0.0036)	ND(0.0031)	ND(0.0031)	ND(0.0031)	ND(0.0031)	ND(0.011)	ND(0.033)	ND(0.013)	ND(0.0076)	ND(0.0032)	ND(0.0027)	ND(0.0053)	0.018	ND(0.0023)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.002)
		50	336	ND(1.6)	ND(0.5)	ND(1)	ND(0.77)	ND(0.68)	ND(0.67)	ND(0.67)	ND(0.67)	ND(2.4)	ND(7.2)	ND(2.8)	ND(1.6)	ND(0.69)	ND(0.58)	ND(1.2)	ND(1.1)	ND(0.5)	ND(0.92)	ND(0.92)	ND(0.9)	ND(0.43)
		50 Dup	164	ND(0.78)	ND(0.24)	ND(0.52)	ND(0.38)	ND(0.33)	ND(0.32)	ND(0.32)	ND(0.32)	ND(1.2)	ND(3.5)	ND(1.3)	ND(0.81)	ND(0.34)	ND(0.28)	ND(0.56)	ND(0.56)	ND(0.24)	ND(0.45)	ND(0.45)	ND(0.44)	ND(0.21)
		55	328	ND(1.6)	ND(0.48)	ND(1)	ND(0.76)	ND(0.66)	ND(0.65)	ND(0.65)	ND(0.65)	ND(2.4)	ND(7)	ND(2.7)	ND(1.6)	ND(0.67)	ND(0.57)	ND(1.1)	ND(1.1)	ND(0.48)	ND(0.89)	ND(0.89)	ND(0.88)	ND(0.42)
	May 2005	30	2.2	ND(0.01)	ND(0.0032)	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		35	2.2	ND(0.01)	ND(0.0032)	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	0.008	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		35 Dup	22.9	ND(0.11)	ND(0.034)	ND(0.072)	ND(0.053)	ND(0.046)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.16)	ND(0.49)	ND(0.19)	ND(0.11)	ND(0.047)	ND(0.04)	ND(0.079)	0.46	ND(0.14)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.029)
		55	44.8	ND(0.21)	ND(0.066)	ND(0.14)	ND(0.1)	ND(0.091)	ND(0.089)	ND(0.089)	ND(0.089)	ND(0.32)	ND(0.96)	ND(0.37)	ND(0.22)	ND(0.092)	ND(0.078)	ND(0.15)	ND(0.15)	ND(0.26)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.057)
	Sep 2005	10	2.09	0.041	0.0048	ND(0.0066)	ND(0.0048)	ND(0.0042)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0043)	ND(0.0036)	ND(0.0072)	ND(0.0071)	ND(0.012)	ND(0.0057)	ND(0.0057)	0.007	ND(0.0027)
		15	2.24	0.015	ND(0.0033)	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.013)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		20	2.24	0.029	0.0051	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.013)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		25	2.29	0.066	0.0076	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049)	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	0.0088	ND(0.014)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		30	2.24	0.026	0.0046	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.013)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		35	2.42	0.015	ND(0.0036)	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.014)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		40	45.8	ND(0.22)	ND(0.068)	ND(0.14)	ND(0.1)	ND(0.093)	ND(0.091)	ND(0.091)	ND(0.091)	ND(0.33)	ND(0.98)	ND(0.38)	ND(0.22)	ND(0.094)	ND(0.08)	ND(0.16)	ND(0.16)	ND(0.27)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.058)
		45	93.2	ND(0.44)	ND(0.14)	ND(0.29)	ND(0.21)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.67)	ND(2)	ND(0.76)	ND(0.46)	ND(0.19)	ND(0.16)	ND(0.32)	ND(0.32)	ND(0.55)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.12)
		50	572	ND(2.7)	ND(0.84)	ND(1.8)	ND(1.3)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(4.1)	ND(12)	ND(4.7)	ND(2.8)	ND(1.2)	ND(0.99)	ND(2)	ND(1.9)	ND(3.4)	ND(1.6)	ND(1.6)	ND(1.5)	ND(0.73)
		55	1120	ND(5.3)	ND(1.6)	ND(3.5)	ND(2.6)	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.2)	ND(8.1)	ND(24) J	ND(9.2)	ND(5.5)	ND(2.3)	ND(1.9)	ND(3.8)	ND(3.8)	ND(6.6)	ND(3)	ND(3)	ND(3)	ND(1.4)
		55 Dup	1470	ND(7)	ND(2.2)	ND(4.6)	ND(3.4)	ND(3)	ND(2.9)	ND(2.9)	ND(2.9)	ND(10)	ND(31) J	ND(12)	ND(7.2)	ND(3)	ND(2.6)	ND(5)	ND(5)	ND(8.7)	ND(4)	ND(4)	ND(4)	ND(1.9)
		60	3730	29	ND(5.5)	ND(12)	ND(8.6)	ND(7.5)	ND(7.4)	ND(7.4)	ND(7.4)	ND(27)	ND(80) J	ND(30)	56	ND(7.6)	190	ND(13)	ND(13)	ND(22)	ND(10)	ND(10)	ND(10)	ND(4.8)
	Oct 2005	20	2.05	0.012	ND(0.003)	ND(0.0064)	ND(0.0047)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044) J	ND(0.017)	ND(0.01)	ND(0.0042)	ND(0.0036)	ND(0.007)	ND(0.007)	ND(0.012)	ND(0.0056)	ND(0.0056)	ND(0.0055)	ND(0.0026)
		25	2.38	ND(0.011)	ND(0.0035)	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051) J	ND(0.019)	ND(0.012)	ND(0.0049)	ND(0.0041)	ND(0.0082)	ND(0.0081)	ND(0.014)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		30	2.24	ND(0.011)	ND(0.0033)	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048) J	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.013)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		35	2.16	ND(0.01)	ND(0.0032)	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046) J	ND(0.018)	ND(0.011)	ND(0.0044)	ND(0.0038)	ND(0.0074)	ND(0.0073)	ND(0.013)	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
		40	2.16	ND(0.01)	ND(0.0032)	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046) J	ND(0.018)	ND(0.011)	ND(0.0044)	ND(0.0038)	ND(0.0074)	ND(0.0073)	ND(0.013)	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
		50	2.33	ND(0.011)	ND(0.0034)	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05) J	ND(0.019)	ND(0.011)	ND(0.0048)	ND(0.004)	ND(0.008)	0.014	ND(0.014)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		50 Dup	2.33	ND(0.011)	ND(0.0034)	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05) J	ND(0.019)	ND(0.011)	ND(0.0048)	ND(0.004)	ND(0.008)	0.014	ND(0.014)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		60	2330	13	ND(3.4) J	ND(7.3) J	ND(5.4) J	ND(4.7) J	ND(4.6) J	ND(4.6) J	ND(4.6) J	ND(17) J	ND(50) J	ND(19) J	67	ND(4.8) J	ND(4) J	ND(8) J	ND(7.9) J	ND(14) J	ND(6.4) J	ND(6.4) J	ND(6.3) J	ND(3) J
	Jun/Jul 2006	10	2.53	0.012	0.0046	ND(0.008)	ND(0.0058)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.018)	ND(0.054)	ND(0.021)	ND(0.012)	ND(0.0052)	ND(0.0044)	ND(0.0087)	ND(0.0086)	ND(0.015)	ND(0.0069)	ND(0.0069)	ND(0.0068)	ND(0.0032)
		20	52.8	ND(0.25) J	ND(0.078) J	ND(0.17) J	ND(0.12) J	ND(0.11) J	ND(0.1) J	ND(0.1) J	ND(0.1) J	ND(0.38) J	ND(1.1) J	ND(0.43) J	ND(0.26) J	ND(0.11) J	ND(0.092) J	ND(0.18) J	ND(0.18) J	ND(0.31) J	ND(0.14) J	ND(0.14) J	ND(0.14) J	ND(0.067) J
		30	672	ND(3.2) J	ND(0.99) J	ND(2.1) J	ND(1.5) J	ND(1.4) J	ND(1.3) J	ND(1.3) J	ND(1.3) J	ND(4.8) J	ND(14) J	ND(5.5) J	ND(3.3) J	ND(1.4) J	ND(1.2) J	ND(2.3) J	ND(2.3) J	ND(4) J	ND(1.8) J	ND(1.8) J	ND(1.8) J	ND(0.86) J
		40	826	ND(3.9) J	ND(1.2) J	ND(2.6) J	ND(1.9) J	ND(1.7) J	ND(1.6) J	ND(1.6) J	ND(1.6) J	ND(6) J	ND(18) J	ND(6.8) J	ND(4.1) J	ND(1.7) J	ND(1.4) J	ND(2.8) J	ND(2.8) J	ND(4.9) J	ND(2.2) J	ND(2.2) J	ND(2.2) J	ND(1) J
		50	2640	ND(12) J	ND(3.9) J	ND(8.3) J	ND(6.1) J	ND(5.3) J	ND(5.2) J	ND(5.2) J	ND(5.2) J	ND(19) J	ND(56) J	ND(22) J	ND(13) J	ND(5.4) J	5.4	ND(9.1) J	ND(9) J	ND(16) J	ND(7.2) J	ND(7.2) J	ND(7.1) J	ND(3.4) J
		55	3030	ND(14) J	ND(4.5) J	ND(9.5) J	ND(7) J	ND(6.1) J	ND(6) J	ND(6) J	ND(6) J	ND(22) J	ND(65) J	ND(25) J	ND(15) J	50	7.2	ND(10) J	ND(10) J	ND(18) J	ND(8.3) J	ND(8.3) J	ND(8.1) J	ND(3.9) J
	Apr 2008	10	2.64	0.015	0.0053	ND(0.0083)	ND(0.0061)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.0052)	ND(0.019)	ND(0.056)	ND(0.022)	ND(0.013)	ND(0.0054)	ND(0.0046)	ND(0.0091)	ND(0.009)	ND(0.0039)	ND(0.0072)	ND(0.0072)	ND(0.0071)	ND(0.0034)
		20	2.42	ND(0.011)	ND(0.0036)	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	0.012	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		25	2.09	0.018 J	0.0051	ND(0.0066)	ND(0.0048)	ND(0.0042)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	0.15	ND(0.0043)	ND(0.0036)	ND(0.0072)	ND(0.0071)	ND(0.0031)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0027)
		30	2.02	0.02 J	ND(0.003)	ND(0.0064)	ND(0.0046)	ND(0.0041)	ND(0.004)	ND(0.004)	ND(0.004)	ND(0.014)	ND(0.043)	ND(0.016)	0.27	ND(0.0041)	0.0051	ND(0.0069)	ND(0.0068)	ND(0.003)	ND(0.0055)	ND(0.0055)	ND(0.0054)	ND(0.0026)
		35	2.47	ND(0.012)	ND(0.0036)	ND(0.0078)	ND(0.0057)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0049)	ND(0.018)	ND(0.053)	ND(0.02)	0.054	ND(0.005)	ND(0.0043)	ND(0.0085)	ND(0.0084)	ND(0.0036)	ND(0.0067)	ND(0.0067)	ND(0.0066)	ND(0.0032)
		40	2.16	0.027	0.0053	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046)	ND(0.018)	0.34	ND(0.0044)	ND(0.0038)	ND(0.0074)	0.01	ND(0.0032)	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
		45	2.29	0.023	ND(0.0034)	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049)	ND(0.019)	0.018	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.0034)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		50	2.64	ND(0.012)	ND(0.0039)	ND(0.0083)	ND(0.0061)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.0052)	ND(0.019)	ND(0.056)	ND(0.022)	ND(0.013)	ND(0.0054)	ND(0.0046)	ND(0.0091)	0.0092	ND(0.0039)	ND(0.0072)	ND(0.0072)	ND(0.0071)	ND(0.0034)
		55	129	ND(0.61)	ND(0.19)	ND(0.4)	ND(0.3)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.93)	ND(2.8)	ND(1)	ND(0.63)	ND(0.26)	ND(0.22)	ND(0.44)	ND(0.44)	ND(0.19)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.16)

US EPA ARCHIVE DOCUMENT

TABLE 2-8b. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, SOLVENT RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Acetone mg/m³	2-Butanone mg/m³	Carbon tetrachloride mg/m³	Chloro-benzene mg/m³	1,1-Dichloro-ethane mg/m³	1,1-Dichloro-ethene mg/m³	cis-1,2-Dichloroethene mg/m³	trans-1,2-Dichloroethene mg/m³	1,4-Dioxane mg/m³	Hexachloro-butadiene mg/m³	2-Hexanone mg/m³	Isopropanol mg/m³	4-Methyl-2-Pentanone mg/m³	Methylene Chloride mg/m³	1,1,2,2-Tetrachloro-ethane mg/m³	Tetrachloro-ethene mg/m³	Tetrahydro-furan mg/m³	1,1,1-Trichloro-ethane mg/m³	1,1,2-Trichloro-ethane mg/m³	Trichloro-ethene mg/m³	Vinyl Chloride mg/m³
VW-96	Sep 2008	10	2.29	0.02 U	0.0073 JB	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049)	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.0034)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		15	2.58	ND(0.012)	ND(0.0038)	ND(0.0081)	ND(0.0059)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0051)	ND(0.018)	ND(0.055)	ND(0.021)	ND(0.013)	ND(0.0053)	ND(0.0045)	ND(0.0088)	ND(0.0088)	ND(0.0038)	ND(0.007)	ND(0.007)	ND(0.0069)	ND(0.0033)
		20	2.47	ND(0.012)	ND(0.0036)	ND(0.0078)	ND(0.0057)	ND(0.005)	0.0049	ND(0.0049)	ND(0.0049)	ND(0.018)	ND(0.053)	ND(0.02)	0.012 U	ND(0.005)	ND(0.0043)	ND(0.0085)	0.015	ND(0.0036)	ND(0.0067)	ND(0.0067)	0.05	ND(0.0032)
		25	2.42	0.012 U	ND(0.0036)	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	0.016 U	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		30	2.53	0.026 JB	0.0059 U	ND(0.008)	ND(0.0058)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.018)	ND(0.054)	ND(0.021)	ND(0.012)	ND(0.0052)	ND(0.0044)	ND(0.0087)	ND(0.0086)	ND(0.0037)	ND(0.0069)	ND(0.0069)	ND(0.0068)	ND(0.0032)
		35	2.38	0.032 JB	0.0039 U	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.019)	0.012 U	ND(0.0049)	ND(0.0041)	ND(0.0082)	ND(0.0081)	ND(0.0035)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		40	2.47	0.012 U	ND(0.0036)	ND(0.0078)	ND(0.0057)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0049)	ND(0.018)	ND(0.053)	ND(0.02)	0.013 U	ND(0.005)	ND(0.0043)	ND(0.0085)	ND(0.0084)	ND(0.0036)	ND(0.0067)	ND(0.0067)	ND(0.0066)	ND(0.0032)
		45	2.58	ND(0.012)	ND(0.0038)	ND(0.0081)	ND(0.0059)	ND(0.0052)	ND(0.0051)	0.011	ND(0.0051)	ND(0.018)	ND(0.055)	ND(0.021)	ND(0.013)	ND(0.0053)	ND(0.0045)	ND(0.0088)	ND(0.0088)	ND(0.0038)	ND(0.007)	ND(0.007)	0.24	ND(0.0033)
		50	2.38	0.089 JB	ND(0.0035)	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.019)	0.025 U	ND(0.0049)	ND(0.0041)	ND(0.0082)	0.015	ND(0.0035)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		55	84.3	ND(4)	ND(1.2)	ND(2.6)	ND(1.9)	ND(1.7)	ND(1.7)	ND(1.7)	ND(1.7)	ND(6.1)	ND(18)	ND(6.9)	ND(4.1)	ND(1.7)	ND(1.5)	ND(2.9)	ND(2.8)	ND(1.2)	ND(2.3)	ND(2.3)	ND(2.3)	ND(1.1)
		60	2.42	ND(11)	ND(3.6)	ND(7.6)	ND(5.6)	ND(4.9)	ND(4.8)	ND(4.8)	ND(4.8)	ND(17)	ND(52)	ND(20)	ND(12)	ND(5)	ND(4.2)	ND(8.3)	ND(8.2)	ND(3.6)	ND(6.6)	ND(6.6)	ND(6.5)	ND(3.1)
	Dec 2008	10	5.6	ND(0.27)	ND(0.082)	ND(0.18)	ND(0.13)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.4)	ND(1.2)	ND(0.46)	ND(0.28)	ND(0.11)	ND(0.097)	ND(0.19)	ND(0.19)	ND(0.082)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.072)
		15	7.77	ND(0.27)	ND(0.082)	ND(0.18)	ND(0.13)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.4)	ND(1.2)	ND(0.46)	ND(0.28)	ND(0.11)	ND(0.097)	ND(0.19)	ND(0.19)	ND(0.082)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.072)
		20	7.47	ND(0.35)	ND(0.11)	ND(0.24)	ND(0.17)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.54)	ND(1.6)	ND(0.61)	ND(0.37)	ND(0.15)	ND(0.13)	ND(0.26)	ND(0.25)	ND(0.11)	ND(0.2)	ND(0.2)	ND(0.2)	ND(0.095)
		25	8.2	ND(0.39)	ND(0.12)	ND(0.26)	ND(0.19)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.59)	ND(1.7)	ND(0.67)	ND(0.4)	ND(0.17)	ND(0.14)	ND(0.28)	ND(0.28)	ND(0.12)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.1)
		30	17.4	ND(0.83)	ND(0.26)	ND(0.55)	ND(0.4)	ND(0.35)	ND(0.34)	ND(0.34)	ND(0.34)	ND(1.2)	ND(3.7)	ND(1.4)	ND(0.86)	ND(0.36)	ND(0.3)	ND(0.6)	ND(0.59)	ND(0.26)	ND(0.47)	ND(0.47)	ND(0.47)	ND(0.22)
		35	18.3	ND(0.87)	ND(0.27)	ND(0.58)	ND(0.42)	ND(0.37)	ND(0.36)	ND(0.36)	ND(0.36)	ND(1.3)	ND(3.9)	ND(1.5)	ND(0.9)	ND(0.37)	ND(0.32)	ND(0.63)	ND(0.62)	ND(0.27)	ND(0.5)	ND(0.5)	ND(0.49)	ND(0.23)
		40	23.3	ND(1.1)	ND(0.34)	ND(0.73)	ND(0.54)	ND(0.47)	ND(0.46)	ND(0.46)	ND(0.46)	ND(1.7)	ND(5)	ND(1.9)	ND(1.1)	ND(0.48)	ND(0.4)	ND(0.8)	ND(0.79)	ND(0.34)	ND(0.64)	ND(0.64)	ND(0.63)	ND(0.3)
		45	34.6	ND(1.6)	ND(0.51)	ND(1.1)	ND(0.8)	ND(0.7)	ND(0.68)	ND(0.68)	ND(0.68)	ND(2.5)	ND(7.4)	ND(2.8)	ND(1.7)	ND(0.71)	ND(0.6)	ND(1.2)	ND(1.2)	ND(0.51)	ND(0.94)	ND(0.94)	ND(0.93)	ND(0.44)
		50	106	ND(5)	ND(1.6)	ND(3.3)	ND(2.4)	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.1)	ND(7.6)	ND(23)	ND(8.7)	ND(5.2)	ND(2.2)	ND(1.8)	ND(3.6)	ND(3.6)	ND(1.6)	ND(2.9)	ND(2.9)	ND(2.8)	ND(1.4)
		50 Dup	108	ND(5.1)	ND(1.6)	ND(3.4)	ND(2.5)	ND(2.2)	ND(2.1)	ND(2.1)	ND(2.1)	ND(7.8)	ND(23)	ND(8.8)	ND(5.3)	ND(2.2)	ND(1.9)	ND(3.7)	ND(3.7)	ND(1.6)	ND(2.9)	ND(2.9)	ND(2.9)	ND(1.4)
		55	104	ND(4.9)	ND(1.5)	ND(3.3)	ND(2.4)	ND(2.1)	ND(2.1)	ND(2.1)	ND(2.1)	ND(7.5)	ND(22)	ND(8.5)	ND(5.1)	ND(2.1)	ND(1.8)	ND(3.6)	ND(3.5)	ND(1.5)	ND(2.8)	ND(2.8)	ND(2.8)	ND(1.3)
		60	220	ND(10)	ND(3.2)	ND(6.9)	ND(5.1)	ND(4.4)	ND(4.4)	ND(4.4)	ND(4.4)	ND(16)	ND(47)	ND(18)	ND(11)	ND(4.5)	ND(3.8)	ND(7.6)	ND(7.5)	ND(3.2)	ND(6)	ND(6)	ND(5.9)	ND(2.8)
	Mar 2009	10 Dup	21	ND(1)	ND(0.31)	ND(0.66)	ND(0.48)	ND(0.42)	ND(0.42)	ND(0.42)	ND(0.42)	ND(1.5)	ND(4.5)	ND(1.7)	ND(1)	ND(0.43)	ND(0.36)	ND(0.72)	ND(0.71)	ND(0.31)	ND(0.57)	ND(0.57)	ND(0.56)	ND(0.27)
		10	25.2	ND(1.2)	ND(0.37)	ND(0.79)	ND(0.58)	ND(0.51)	ND(0.5)	ND(0.5)	ND(0.5)	ND(1.8)	ND(5.4)	ND(2.1)	ND(1.2)	ND(0.52)	ND(0.44)	ND(0.86)	ND(0.85)	ND(0.37)	ND(0.69)	ND(0.69)	ND(0.68)	ND(0.32)
		15	7.62	ND(0.36)	ND(0.11)	ND(0.24)	ND(0.18)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.55)	ND(1.6)	ND(0.62)	ND(0.38)	ND(0.16)	ND(0.13)	ND(0.26)	ND(0.26)	ND(0.11)	ND(0.21)	ND(0.21)	ND(0.2)	ND(0.098)
		20	2.64	ND(0.12)	ND(0.039)	ND(0.083)	ND(0.061)	ND(0.053)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.19)	ND(0.56)	ND(0.22)	ND(0.13)	ND(0.054)	ND(0.046)	ND(0.091)	ND(0.09)	ND(0.039)	ND(0.072)	ND(0.072)	ND(0.071)	ND(0.034)
		25	24.2	ND(1.1)	ND(0.36)	ND(0.76)	ND(0.56)	ND(0.49)	ND(0.48)	ND(0.48)	ND(0.48)	ND(1.7)	ND(5.2)	ND(2)	ND(1.2)	ND(0.5)	ND(0.42)	ND(0.83)	ND(0.82)	ND(0.36)	ND(0.66)	ND(0.66)	ND(0.65)	ND(0.31)
		30	48.4	ND(2.3)	ND(0.71)	ND(1.5)	ND(1.1)	ND(0.98)	ND(0.96)	ND(0.96)	ND(0.96)	ND(3.5)	ND(10)	ND(4)	ND(2.4)	ND(0.99)	ND(0.84)	ND(1.7)	ND(1.6)	ND(0.71)	ND(1.3)	ND(1.3)	ND(1.3)	ND(0.62)
		35	86.2	ND(4.1)	ND(1.3)	ND(2.7)	ND(2)	ND(1.7)	ND(1.7)	ND(1.7)	ND(1.7)	ND(6.2)	ND(18)	ND(7.1)	ND(4.2)	ND(1.8)	ND(1.5)	ND(3)	ND(2.9)	ND(1.3)	ND(2.4)	ND(2.4)	ND(2.3)	ND(1.1)
		40	44	ND(2.1)	ND(0.65)	ND(1.4)	ND(1)	ND(0.89)	ND(0.87)	ND(0.87)	ND(0.87)	ND(3.2)	ND(9.4)	ND(3.6)	ND(2.2)	ND(0.9)	ND(0.76)	ND(1.5)	ND(1.5)	ND(0.65)	ND(1.2)	ND(1.2)	ND(1.2)	ND(0.56)
		45	74.7	ND(3.5)	ND(1.1)	ND(2.4)	ND(1.7)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(5.4)	ND(16)	ND(6.1)	ND(3.7)	ND(1.5)	ND(1.3)	ND(2.6)	ND(2.5)	ND(1.1)	ND(2)	ND(2)	ND(2)	ND(0.95)
		50	77.7	ND(3.7)	ND(1.1)	ND(2.4)	ND(1.8)	ND(1.6)	ND(1.5)	ND(1.5)	ND(1.5)	ND(5.6)	ND(16)	ND(6.4)	ND(3.8)	ND(1.6)	ND(1.3)	ND(2.7)	ND(2.6)	ND(1.1)	ND(2.1)	ND(2.1)	ND(2.1)	ND(0.99)
		55	92	ND(4.4)	ND(1.4)	ND(2.9)	ND(2.1)	ND(1.9)	ND(1.8)	ND(1.8)	ND(1.8)	ND(6.6)	ND(20)	ND(7.5)	ND(4.5)	ND(1.9)	ND(1.6)	ND(3.2)	ND(3.1)	ND(1.4)	ND(2.5)	ND(2.5)	ND(2.5)	ND(1.2)
	Sep/Oct 2009	10	229	ND(11)	ND(3.4)	ND(7.2)	ND(5.3)	ND(4.6)	ND(4.5)	ND(4.5)	ND(4.5)	ND(16)	ND(49) UJ	ND(19)	ND(11)	ND(4.7)	ND(4)	ND(7.9)	ND(7.8)	ND(3.4)	ND(6.2)	ND(6.2)	ND(6.2)	ND(2.9)
		15	242	ND(11)	ND(3.6)	ND(7.6)	ND(5.6)	ND(4.9)	ND(4.8)	ND(4.8)	ND(4.8)	ND(17)	ND(52) UJ	ND(20)	ND(12)	ND(5)	ND(4.2)	ND(8.3)	ND(8.2)	ND(3.6)	ND(6.6)	ND(6.6)	ND(6.5)	ND(3.1)
		20	238	ND(11)	ND(3.5)	ND(7.5)	ND(5.5)	ND(4.8)	ND(4.7)	ND(4.7)	ND(4.7)	ND(17)	ND(51) UJ	ND(19)	ND(12)	ND(4.9)	ND(4.1)	ND(8.2)	ND(8.1)	ND(3.5)	ND(6.5)	ND(6.5)	ND(6.4)	ND(3)
		25	276	ND(13)	ND(4.1)	ND(8.7)	ND(6.4)	ND(5.6)	ND(5.5)	ND(5.5)	ND(5.5)	ND(20)	ND(59) UJ	ND(23)	ND(14)	ND(5.6)	ND(4.8)	ND(9.5)	ND(9.4)	ND(4.1)	ND(7.5)	ND(7.5)	ND(7.4)	ND(3.5)
		30	448	ND(21)	ND(6.6)	ND(14)	ND(10)	ND(9.1)	ND(8.9)	ND(8.9)	ND(8.9)	ND(32)	ND(96) UJ	ND(37)	ND(22)	ND(9.2)	ND(7.8)	ND(15)	ND(15)	ND(6.6)	ND(12)	ND(12)	ND(12)	ND(5.7)
		35	432	ND(20)	ND(6.4)	ND(14)	ND(9.9)	ND(8.7)	ND(8.6)	ND(8.6)	ND(8.6)	ND(31)	ND(92) UJ	ND(35)	ND(21)	ND(8.8)	ND(7.5)	ND(15)	ND(15)	ND(6.4)	ND(12)	ND(12)	ND(12)	ND(5.5)
		35 Dup	432	ND(20)	ND(6.4)	ND(14)	ND(9.9)	ND(8.7)	ND(8.6)	ND(8.6)	ND(8.6)	ND(31)	ND(92) UJ	ND(35)	ND(21)	ND(8.8)	ND(7.5)	ND(15)	ND(15)	ND(6.4)	ND(12)	ND(12)	ND(12)	ND(5.5)
		40	710	ND(34)	ND(10)	ND(22)	ND(16)	ND(14)	ND(14)	ND(14)	ND(14)	ND(51)	ND(150) UJ	ND(58)	ND(35)	ND(14)	ND(12)	ND(24)	ND(24)	ND(10)	ND(19)	ND(19)	ND(19)	ND(9.1)
		45	611	ND(29)	ND(9)	ND(19)	ND(14)	ND(12)	ND(12)	ND(12)	ND(12)	ND(44)	ND(130) UJ	ND(50)	ND(30)	ND(12)	ND(11)	ND(21)	ND(21)	ND(9)	ND(17)	ND(17)	ND(16)	ND(7.8)
		50	763	ND(36)	ND(11)	ND(24)	ND(18)	ND(15)	ND(15)	ND(15)	ND(15)	ND(55)	ND(160) UJ	ND(62)	ND(38)	ND(16)	ND(13)	ND(26)	ND(26)	ND(11)	ND(21)	ND(21)	ND(20)	ND(9.8)
		55	763	ND(36)	ND(11)	ND(24)	ND(18)	ND(15)	ND(15)	ND(15)	ND(15)	ND(55)	ND(160) UJ	ND(62)	ND(38)	ND(16)	ND(13)	ND(26)	ND(26)	ND(11)	ND(21)	ND(21)	ND(20)	ND(9.8)
		60	763	ND(36)	ND(11)	ND(24)	ND(18)	ND(15)	ND(15)	ND(15)	ND(15)	ND(55)	ND(160) UJ	ND(62)	ND(38)	ND(16)	ND(13)	ND(26)	ND(26)	ND(11)	ND(21)	ND(21)	ND(20)	ND(9.8)

US EPA ARCHIVE DOCUMENT

TABLE 2-8b. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, SOLVENT RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Acetone mg/m³	2-Butanone mg/m³	Carbon tetrachloride mg/m³	Chloro-benzene mg/m³	1,1-Dichloro-ethane mg/m³	1,1-Dichloro-ethene mg/m³	cis-1,2-Dichloroethene mg/m³	trans-1,2-Dichloroethene mg/m³	1,4-Dioxane mg/m³	Hexachloro-butadiene mg/m³	2-Hexanone mg/m³	Isopropanol mg/m³	4-Methyl-2-Pentanone mg/m³	Methylene Chloride mg/m³	1,1,2,2-Tetrachloro-ethane mg/m³	Tetrachloro-ethene mg/m³	Tetrahydro-furan mg/m³	1,1,1-Trichloro-ethane mg/m³	1,1,2-Trichloro-ethane mg/m³	Trichloro-ethene mg/m³	Vinyl Chloride mg/m³
VW-99A	Mar 2005	5	2.2	0.022	0.0047	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	0.014	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		10	2.29	ND(0.011)	ND(0.0034)	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049)	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.0034)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
	Apr 2008	5	2.42	0.022	0.0057	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		5 Dup	2.38	0.023	ND(0.0035)	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.019)	ND(0.012)	ND(0.0049)	ND(0.0041)	ND(0.0082)	ND(0.0081)	ND(0.0035)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		10	2.38	ND(0.011)	ND(0.0035)	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.019)	ND(0.012)	ND(0.0049)	ND(0.0041)	ND(0.0082)	ND(0.0081)	ND(0.0035)	ND(0.0065)	ND(0.0065)	0.0071	ND(0.003)
	Sep 2008	5	2.2	0.042 JB	0.011 JB	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	0.012 U	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.0032)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		10	2.2	0.035 JB	0.015 JB	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	0.024 U	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.0032)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
	Dec 2008	5	2.2	ND(0.01)	ND(0.0032)	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.0032)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
	Sep/Oct 2009	5	89.6	ND(4.2)	ND(1.3)	ND(2.8)	ND(2.1)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(6.4)	ND(19) UJ	ND(7.3)	ND(4.4)	ND(1.8)	ND(1.6)	ND(3.1)	ND(3)	ND(1.3)	ND(2.4)	ND(2.4)	ND(2.4)	ND(1.1)
VW-99	Mar 2005	10	1.55	0.0094	0.0023	ND(0.0049)	ND(0.0036)	ND(0.0031)	ND(0.0031)	ND(0.0031)	ND(0.0031)	ND(0.011)	ND(0.033)	ND(0.013)	ND(0.0076)	ND(0.0032)	ND(0.0027)	ND(0.0053)	ND(0.0052)	ND(0.0023)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.002)
		15	1.46	0.0073	ND(0.0022)	ND(0.0046)	ND(0.0034)	ND(0.003)	ND(0.0029)	ND(0.0029)	ND(0.0029)	ND(0.01)	ND(0.031)	ND(0.012)	ND(0.0072)	ND(0.003)	ND(0.0025)	ND(0.005)	ND(0.005)	ND(0.0022)	ND(0.004)	ND(0.004)	ND(0.0039)	ND(0.0019)
		20	1.55	ND(0.0074)	ND(0.0023)	ND(0.0049)	ND(0.0036)	ND(0.0031)	ND(0.0031)	ND(0.0031)	ND(0.0031)	ND(0.011)	ND(0.033)	ND(0.013)	ND(0.0076)	ND(0.0032)	ND(0.0027)	ND(0.0053)	0.0066	ND(0.0023)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.002)
		25	1.52	ND(0.0072)	ND(0.0022)	ND(0.0048)	ND(0.0035)	ND(0.0031)	ND(0.003)	ND(0.003)	ND(0.003)	ND(0.011)	ND(0.032)	ND(0.012)	ND(0.0075)	ND(0.0031)	ND(0.0026)	ND(0.0052)	0.011	ND(0.0022)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.0019)
		30	1.55	ND(0.0074)	ND(0.0023)	ND(0.0049)	ND(0.0036)	ND(0.0031)	ND(0.0031)	ND(0.0031)	ND(0.0031)	ND(0.011)	ND(0.033)	ND(0.013)	ND(0.0076)	ND(0.0032)	ND(0.0027)	ND(0.0053)	0.031	ND(0.0023)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.002)
		35	1.61	ND(0.0076)	ND(0.0024)	ND(0.0051)	ND(0.0037)	ND(0.0032)	ND(0.0032)	ND(0.0032)	ND(0.0032)	ND(0.012)	ND(0.034)	ND(0.013)	ND(0.0079)	ND(0.0033)	ND(0.0028)	ND(0.0055)	0.05	ND(0.0024)	ND(0.0044)	ND(0.0044)	ND(0.0043)	ND(0.002)
		40	52.8	ND(0.25)	ND(0.078)	ND(0.17)	ND(0.12)	ND(0.11)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.38)	ND(1.1)	ND(0.43)	ND(0.26)	ND(0.11)	ND(0.092)	ND(0.18)	ND(0.18)	ND(0.078)	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.067)
		45	242	ND(1.1)	ND(0.36)	ND(0.76)	ND(0.56)	ND(0.49)	ND(0.48)	ND(0.48)	ND(0.48)	ND(1.7)	ND(5.2)	ND(2)	ND(1.2)	ND(0.5)	ND(0.42)	ND(0.83)	ND(0.82)	ND(0.36)	ND(0.66)	ND(0.66)	ND(0.65)	ND(0.31)
		45 Dup	229	ND(1.1)	ND(0.34)	ND(0.72)	ND(0.53)	ND(0.46)	ND(0.45)	ND(0.45)	ND(0.45)	ND(1.6)	ND(4.9)	ND(1.9)	ND(1.1)	ND(0.47)	ND(0.4)	ND(0.79)	ND(0.78)	ND(0.34)	ND(0.62)	ND(0.62)	ND(0.62)	ND(0.29)
		50	1010	ND(4.8)	ND(1.5)	ND(3.2)	ND(2.3)	ND(2)	ND(2)	ND(2)	ND(2)	ND(7.3)	ND(22)	ND(8.3)	ND(5)	ND(2.1)	ND(1.8)	ND(3.5)	ND(3.4)	ND(1.5)	ND(2.8)	ND(2.8)	ND(2.7)	ND(1.3)
		55	1550	ND(7.4)	ND(2.3)	ND(4.9)	ND(3.6)	ND(3.1)	ND(3.1)	ND(3.1)	ND(3.1)	ND(11)	ND(33)	ND(13)	ND(7.6)	ND(3.2)	ND(2.7)	ND(5.3)	ND(5.3)	ND(2.3)	ND(4.2)	ND(4.2)	ND(4.2)	ND(2)
	Sep 2005	10	2.2	0.035	0.0076	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047) J	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		15	2.16	0.021	ND(0.0032)	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046) J	ND(0.018)	ND(0.011)	ND(0.0044)	ND(0.0038)	ND(0.0074)	0.0088	ND(0.013)	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
		20	2.24	0.012	ND(0.0033)	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048) J	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	0.014	ND(0.013)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		25	2.24	0.016	0.0039	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048) J	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	0.02	ND(0.013)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		30	2.29	0.022	0.0051	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049) J	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	0.02	ND(0.014)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		35	2.2	0.021	0.004	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047) J	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	0.035	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		40	22.4	ND(0.11)	ND(0.033)	ND(0.07)	ND(0.052)	ND(0.045)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.16)	ND(0.48) J	ND(0.18)	ND(0.11)	ND(0.046)	ND(0.039)	ND(0.077)	ND(0.076)	ND(0.13)	ND(0.061)	ND(0.061)	ND(0.06)	ND(0.029)
		45	440	ND(2.1)	ND(0.65)	ND(1.4)	ND(1)	ND(0.89)	ND(0.87)	ND(0.87)	ND(0.87)	ND(3.2)	ND(9.4) J	ND(3.6)	ND(2.2)	ND(0.9)	ND(0.76)	ND(1.5)	ND(1.5)	ND(2.6)	ND(1.2)	ND(1.2)	ND(1.2)	ND(0.56)
		50	2160	ND(10)	ND(3.2)	ND(6.8)	ND(5)	ND(4.4)	ND(4.3)	ND(4.3)	ND(4.3)	ND(16)	ND(46) J	ND(18)	ND(11)	ND(4.4)	ND(3.8)	ND(7.4)	ND(7.3)	ND(13)	ND(5.9)	ND(5.9)	ND(5.8)	ND(2.8)
		50 Dup	2330	ND(11)	ND(3.4)	ND(7.3)	ND(5.4)	ND(4.7)	ND(4.6)	ND(4.6)	ND(4.6)	ND(17)	ND(50) J	ND(19)	ND(11)	ND(4.8)	ND(4)	ND(8)	ND(7.9)	ND(14)	ND(6.4)	ND(6.4)	ND(6.3)	ND(3)
		55	4400	ND(21)	ND(6.5)	ND(14)	ND(10)	ND(8.9)	ND(8.7)	ND(8.7)	ND(8.7)	ND(32)	ND(94) J	ND(36)	ND(22)	ND(9)	ND(7.6)	ND(15)	ND(15)	ND(26)	ND(12)	ND(12)	ND(12)	ND(5.6)
		60	2240	ND(11)	ND(3.3)	ND(7)	ND(5.2)	ND(4.5)	ND(4.4)	ND(4.4)	ND(4.4)	ND(16)	ND(48) J	ND(18)	ND(11)	ND(4.6)	ND(3.9)	ND(7.7)	ND(7.6)	ND(13)	ND(6.1)	ND(6.1)	ND(6)	ND(2.9)
	Oct 2005	20	2.09	ND(0.0099)	ND(0.0031)	ND(0.0066)	ND(0.0048)	ND(0.0042)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0043)	ND(0.0036)	ND(0.0072)	0.01	ND(0.012)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0027)
		25	2.05	ND(0.0097)	ND(0.003)	ND(0.0064)	ND(0.0047)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0042)	ND(0.0036)	ND(0.007)	0.022	ND(0.012)	ND(0.0056)	ND(0.0056)	ND(0.0055)	ND(0.0026)
		30	2.13	0.01	0.0034	ND(0.0067)	ND(0.0049)	ND(0.0043)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.015)	ND(0.045)	ND(0.017)	ND(0.01)	ND(0.0044)	ND(0.0037)	ND(0.0073)	0.032	ND(0.012)	ND(0.0058)	ND(0.0058)	ND(0.0057)	ND(0.0027)
		35	2.16	ND(0.01)	ND(0.0032)	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046)	ND(0.018)	ND(0.011)	ND(0.0044)	ND(0.0038)	ND(0.0074)	0.032	ND(0.013)	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
		40	2.09	0.011	ND(0.0031)	ND(0.0066)	ND(0.0048)	ND(0.0042)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044) J	ND(0.017)	ND(0.01)	ND(0.0043)	ND(0.0036)	ND(0.0072)	0.046 J	ND(0.012)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0027)
		40 Dup	3.46	ND(0.016)	ND(0.0051)	ND(0.011)	ND(0.008)	ND(0.007)	ND(0.0068)	ND(0.0068)	ND(0.0068)	ND(0.025)	ND(0.074) J	ND(0.028)	ND(0.017)	ND(0.0071)	ND(0.006)	ND(0.012)	0.029 J	ND(0.02)	ND(0.0094)	ND(0.0094)	ND(0.0093)	ND(0.0044)
		50	2.09	ND(0.0099)	ND(0.0031)	ND(0.0066)	ND(0.0048)	ND(0.0042)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044) J	ND(0.017)	ND(0.01)	ND(0.0043)	ND(0.0036)	ND(0.0072)	0.048	ND(0.012)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0027)
		60	1060	6.7	ND(1.6) J	ND(3.3) J	ND(2.4) J	ND(2.1) J	ND(2.1) J	ND(2.1) J	ND(2.1) J	ND(7.6) J	ND(23) J	ND(8.7) J	30	ND(2.2) J	ND(1.8) J	ND(3.6) J	ND(3.6) J	ND(6.2) J	ND(2.9) J	ND(2.9) J	ND(2.8) J	ND(1.4) J
		60 Dup	1080	7.1	ND(1.6) J	ND(3.4) J	ND(2.5) J	ND(2.2) J	ND(2.1) J	ND(2.1) J	ND(2.1) J	ND(7.8) J	ND(23) J	ND(8.8) J	33	ND(2.2) J	ND(1.9) J	ND(3.7) J	ND(3.7) J	ND(6.4) J	ND(2.9) J	ND(2.9) J	ND(2.9) J	ND(1.4) J
	Jun/Jul 2006	10	2.24	0.024 J	0.0068	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048) J	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.013)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		20	2.29	0.024 J	0.0057	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049) J	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	0.016	ND(0.014)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		30	2.42	0.024 J	0.0073	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052) J	ND(0.02)	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0083)	0.034	ND(0.014)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		40	2.76	0.11 J	0.047	ND(0.0087)	ND(0.0064)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0055)	ND(0.02)	ND(0.059) J	0.031	ND(0.014)	ND(0.0056)	ND(0.0048)	ND(0.0095)	0.06	ND(0.016)	ND(0.0075)	ND(0.0075)	ND(0.0074)	ND(0.0035)
		50	1080	6.9 J	ND(1.6) J	ND(3.4) J	ND(2.5) J	ND(2.2) J	ND(2.1) J	ND(2.1) J	ND(2.1) J	ND(7.8) J	ND(23) J	ND(8.8) J	ND(5.3) J	ND(2.2) J	7.5	ND(3.7) J	ND(3.7) J	ND(6.4) J	ND(2.9) J	ND(2.9) J	ND(2.9) J	ND(1.4) J
		50 Dup	952	6.6 J	ND(1.4) J	ND(3) J	ND(2.2) J	ND(1.9) J	ND(1.9) J	ND(1.9) J	ND(1.9) J	ND(6.9) J	ND(20) J	ND(7.8) J	ND(4.7) J	ND(1.9) J	5.9	ND(3.3) J	ND(3.2) J	ND(5.6) J	ND(2.6) J	ND(2.6) J	ND(2.6) J	ND(1.2) J
		60	2.38	0.061 J	0.0092	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051) J	ND(0.019)	ND(0.012)	ND(0.0049)	ND(0.0041)	ND(0.0082)	ND(0.0081)	ND(0.014)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)

US EPA ARCHIVE DOCUMENT

TABLE 2-8b. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, SOLVENT RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Acetone mg/m^3	2-Butanone mg/m^3	Carbon tetrachloride mg/m^3	Chloro-benzene mg/m^3	1,1-Dichloro-ethane mg/m^3	1,1-Dichloro-ethene mg/m^3	cis-1,2-Dichloroethene mg/m^3	trans-1,2-Dichloroethene mg/m^3	1,4-Dioxane mg/m^3	Hexachloro-butadiene mg/m^3	2-Hexanone mg/m^3	Isopropanol mg/m^3	4-Methyl-2-Pentanone mg/m^3	Methylene Chloride mg/m^3	1,1,2,2-Tetrachloro-ethane mg/m^3	Tetrachloro-ethene mg/m^3	Tetrahydro-furan mg/m^3	1,1,1-Trichloro-ethane mg/m^3	1,1,2-Trichloro-ethane mg/m^3	Trichloro-ethene mg/m^3	Vinyl Chloride mg/m^3
VW-99	Apr 2008	10	2.47	ND(0.012)	ND(0.0036)	ND(0.0078)	ND(0.0057)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0049)	ND(0.018)	ND(0.053)	ND(0.02)	0.016	ND(0.005)	ND(0.0043)	ND(0.0085)	ND(0.0084)	ND(0.0036)	ND(0.0067)	ND(0.0067)	ND(0.0066)	ND(0.0032)
		15	2.02	0.0096	ND(0.003)	ND(0.0064)	ND(0.0046)	ND(0.0041)	ND(0.004)	ND(0.004)	ND(0.004)	ND(0.014)	ND(0.043)	ND(0.016)	0.31	ND(0.0041)	0.0074	ND(0.0069)	ND(0.0068)	ND(0.003)	ND(0.0055)	ND(0.0055)	ND(0.0054)	ND(0.0026)
		20	2.24	0.014	0.0049	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	0.0042	ND(0.0077)	ND(0.0076)	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		25	2.38	0.04	0.0058	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.019)	ND(0.012)	ND(0.0049)	ND(0.0041)	ND(0.0082)	0.0087	ND(0.0035)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		30	2.53	0.045	0.0084	ND(0.008)	ND(0.0058)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.018)	ND(0.054)	ND(0.021)	0.024	ND(0.0052)	ND(0.0044)	ND(0.0087)	0.016	ND(0.0037)	ND(0.0069)	ND(0.0069)	ND(0.0068)	ND(0.0032)
		35	22.9	ND(0.11)	ND(0.034)	ND(0.072)	ND(0.053)	ND(0.046)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.16)	ND(0.49)	ND(0.19)	ND(0.11)	ND(0.047)	ND(0.04)	ND(0.079)	ND(0.078)	ND(0.034)	ND(0.062)	ND(0.062)	ND(0.062)	ND(0.029)
		40	22.4	ND(0.11)	ND(0.033)	ND(0.07)	ND(0.052)	ND(0.045)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.16)	ND(0.48)	ND(0.18)	ND(0.11)	ND(0.046)	ND(0.039)	ND(0.077)	ND(0.076)	ND(0.033)	ND(0.061)	ND(0.061)	ND(0.06)	ND(0.029)
		45	46.6	ND(0.22)	ND(0.069)	ND(0.15)	ND(0.11)	ND(0.094)	ND(0.092)	ND(0.092)	ND(0.092)	ND(0.34)	ND(0.99)	ND(0.38)	ND(0.23)	ND(0.095)	ND(0.081)	ND(0.16)	ND(0.16)	ND(0.069)	ND(0.13)	ND(0.13)	ND(0.12)	ND(0.06)
		50	110	ND(0.52)	ND(0.16)	ND(0.35)	ND(0.25)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.79)	ND(2.3)	ND(0.9)	ND(0.54)	ND(0.22)	ND(0.19)	ND(0.38)	ND(0.37)	ND(0.16)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.14)
		50 Dup	110	ND(0.52)	ND(0.16)	ND(0.35)	ND(0.25)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.79)	ND(2.3)	ND(0.9)	ND(0.54)	ND(0.22)	ND(0.19)	ND(0.38)	ND(0.37)	ND(0.16)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.14)
	Sep 2008	10	2.24	0.02 U	0.0066 JB	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		15	2.29	ND(0.011)	ND(0.0034)	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049)	ND(0.019)	0.013 U	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.0034)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		20	2.58	0.058 JB	0.03 JB	ND(0.0081)	ND(0.0059)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0051)	ND(0.018)	ND(0.055)	ND(0.021)	ND(0.013)	ND(0.0053)	ND(0.0045)	ND(0.0088)	0.012	ND(0.0038)	ND(0.007)	ND(0.007)	ND(0.0069)	ND(0.0033)
		25	2.24	0.05 JB	0.018 JB	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	0.013 U	ND(0.0046)	ND(0.0039)	ND(0.0077)	0.016	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		30	2.13	ND(0.01)	ND(0.0031)	ND(0.0067)	ND(0.0049)	ND(0.0043)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.015)	ND(0.045)	ND(0.017)	ND(0.01)	ND(0.0044)	ND(0.0037)	ND(0.0073)	0.019	ND(0.0031)	ND(0.0058)	ND(0.0058)	ND(0.0057)	ND(0.0027)
		35	2.38	ND(0.011) UJ	ND(0.0035)	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.019)	ND(0.012)	ND(0.0049)	ND(0.0041)	ND(0.0082)	0.029	ND(0.0035)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		35 Dup	2.38	0.012 U	ND(0.0035)	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.019)	0.014 U	ND(0.0049)	ND(0.0041)	ND(0.0082)	0.028	ND(0.0035)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		40	2.29	0.016 U	0.0034 U	0.0078	ND(0.0053)	0.011	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049)	ND(0.019)	ND(0.011)	ND(0.0047)	0.0048	ND(0.0079)	0.039	ND(0.0034)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		45	3.73	ND(0.18)	ND(0.055)	ND(0.12)	ND(0.086)	ND(0.075)	ND(0.074)	ND(0.074)	ND(0.074)	ND(0.27)	ND(0.8)	ND(0.3)	ND(0.18)	ND(0.076)	ND(0.065)	ND(0.13)	ND(0.13)	ND(0.055)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.048)
		50	16	ND(0.76)	ND(0.24)	ND(0.5)	ND(0.37)	ND(0.32)	ND(0.32)	ND(0.32)	ND(0.32)	ND(1.2)	ND(3.4)	ND(1.3)	ND(0.79)	ND(0.33)	ND(0.28)	ND(0.55)	ND(0.54)	ND(0.24)	ND(0.44)	ND(0.44)	ND(0.43)	ND(0.2)
		55	74.7	ND(3.5)	ND(1.1)	ND(2.4)	ND(1.7)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(5.4)	ND(16)	ND(6.1)	ND(3.7)	ND(1.5)	ND(1.3)	ND(2.6)	ND(2.5)	ND(1.1)	ND(2)	ND(2)	ND(2)	ND(0.95)
		55 Dup	74.4	ND(3.5)	ND(1.1)	ND(2.4)	ND(1.7)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.5)	ND(5.4)	ND(16)	ND(6.1)	ND(3.7)	ND(1.5)	ND(1.3)	ND(2.6)	ND(2.5)	ND(1.1)	ND(2)	ND(2)	ND(2)	ND(0.95)
		60	2.29	0.032 JB	0.0058 U	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049)	ND(0.019)	ND(0.011) UJ	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.0034)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
	Dec 2008	10	2.13	0.02	0.0049	ND(0.0067)	ND(0.0049)	ND(0.0043)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.015)	ND(0.045)	ND(0.017)	ND(0.01)	ND(0.0044)	ND(0.0037)	ND(0.0073)	ND(0.0072)	ND(0.0031)	ND(0.0058)	ND(0.0058)	ND(0.0057)	ND(0.0027)
		15	2.33	0.063	0.015	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.011)	ND(0.0048)	ND(0.004)	ND(0.008)	0.01	ND(0.0034)	ND(0.0064)	ND(0.0064)	0.0082	ND(0.003)
		20	2.09	0.038	ND(0.0031)	ND(0.0066)	ND(0.0048)	ND(0.0042)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0043)	ND(0.0036)	ND(0.0072)	ND(0.0071)	ND(0.0031)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0027)
		25	3.44	ND(0.16)	ND(0.051)	ND(0.11)	ND(0.079)	ND(0.07)	ND(0.068)	ND(0.068)	ND(0.068)	ND(0.25)	ND(0.73)	ND(0.28)	ND(0.17)	ND(0.07)	ND(0.06)	ND(0.12)	ND(0.12)	ND(0.051)	ND(0.094)	ND(0.094)	ND(0.092)	ND(0.044)
		30	42.6	ND(2)	ND(0.63)	ND(1.3)	ND(0.98)	ND(0.86)	ND(0.84)	ND(0.84)	ND(0.84)	ND(3.1)	ND(9.1)	ND(3.5)	ND(2.1)	ND(0.87)	ND(0.74)	ND(1.5)	ND(1.4)	ND(0.63)	ND(1.2)	ND(1.2)	ND(1.1)	ND(0.54)
		35	30.8	ND(1.5)	ND(0.45)	ND(0.97)	ND(0.71)	ND(0.62)	ND(0.61)	ND(0.61)	ND(0.61)	ND(2.2)	ND(6.6)	ND(2.5)	ND(1.5)	ND(0.63)	ND(0.54)	ND(1)	ND(1)	ND(0.45)	ND(0.84)	ND(0.84)	ND(0.83)	ND(0.39)
		40	27.7	ND(1.3)	ND(0.41)	ND(0.87)	ND(0.64)	ND(0.56)	ND(0.55)	ND(0.55)	ND(0.55)	ND(2)	ND(5.9)	ND(2.3)	ND(1.4)	ND(0.57)	ND(0.48)	ND(0.95)	ND(0.94)	ND(0.41)	ND(0.76)	ND(0.76)	ND(0.74)	ND(0.35)
		45	34.2	ND(1.6)	ND(0.5)	ND(1.1)	ND(0.79)	ND(0.69)	ND(0.68)	ND(0.68)	ND(0.68)	ND(2.5)	ND(7.3)	ND(2.8)	ND(1.7)	ND(0.7)	ND(0.59)	ND(1.2)	ND(1.2)	ND(0.5)	ND(0.93)	ND(0.93)	ND(0.92)	ND(0.44)
		50	52.2	ND(2.5)	ND(0.77)	ND(1.6)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3.8)	ND(11)	ND(4.3)	ND(2.6)	ND(1.1)	ND(0.91)	ND(1.8)	ND(1.8)	ND(0.77)	ND(1.4)	ND(1.4)	ND(1.4)	ND(0.67)
		55	109	ND(5.2)	ND(1.6)	ND(3.4)	ND(2.5)	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.2)	ND(7.8)	ND(23)	ND(8.9)	ND(5.4)	ND(2.2)	ND(1.9)	ND(3.7)	ND(3.7)	ND(1.6)	ND(3)	ND(3)	ND(2.9)	ND(1.4)
		55 Dup	205	ND(9.7)	ND(3)	ND(6.4)	ND(4.7)	ND(4.1)	ND(4.1)	ND(4.1)	ND(4.1)	ND(15)	ND(44)	ND(17)	ND(10)	ND(4.2)	ND(3.6)	ND(7)	ND(7)	ND(3)	ND(5.6)	ND(5.6)	ND(5.5)	ND(2.6)
		60	51.2	ND(2.4)	ND(0.75)	ND(1.6)	ND(1.2)	ND(1)	ND(1)	ND(1)	ND(1)	ND(3.7)	ND(11)	ND(4.2)	ND(2.5)	ND(1)	ND(0.89)	ND(1.8)	ND(1.7)	ND(0.75)	ND(1.4)	ND(1.4)	ND(1.4)	ND(0.65)
	Sep/Oct 2009	10	11.2	ND(0.53)	ND(0.16)	ND(0.35)	ND(0.26)	ND(0.23)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.81)	ND(2.4) UJ	ND(0.92)	ND(0.55)	ND(0.23)	ND(0.19)	ND(0.38)	ND(0.38)	ND(0.16)	ND(0.3)	ND(0.3)	ND(0.3)	ND(0.14)
		15	233	ND(11)	ND(3.4)	ND(7.3)	ND(5.4)	ND(4.7)	ND(4.6)	ND(4.6)	ND(4.6)	ND(17)	ND(50) UJ	ND(19)	ND(11)	ND(4.8)	ND(4)	ND(8)	ND(7.9)	ND(3.4)	ND(6.4)	ND(6.4)	ND(6.3)	ND(3)
		20	388	ND(18)	ND(5.7)	ND(12)	ND(8.9)	ND(7.8)	ND(7.7)	ND(7.7)	ND(7.7)	ND(28)	ND(83) UJ	ND(32)	ND(19)	ND(7.9)	ND(6.7)	ND(13)	ND(13)	ND(5.7)	ND(10)	ND(10)	ND(10)	ND(5)
		25	164	ND(7.8)	ND(2.4)	ND(5.2)	ND(3.8)	ND(3.3)	ND(3.2)	ND(3.2)	ND(3.2)	ND(12)	ND(35) UJ	ND(13)	ND(8.1)	ND(3.4)	ND(2.8)	ND(5.6)	ND(5.6)	ND(2.4)	ND(4.5)	ND(4.5)	ND(4.4)	ND(2.1)
		30	242	ND(11)	ND(3.6)	ND(7.6)	ND(5.6)	ND(4.9)	ND(4.8)	ND(4.8)	ND(4.8)	ND(17)	ND(52) UJ	ND(20)	ND(12)	ND(5)	ND(4.2)	ND(8.3)	ND(8.2)	ND(3.6)	ND(6.6)	ND(6.6)	ND(6.5)	ND(3.1)
		30 Dup	253	ND(12)	ND(3.7)	ND(8)	ND(5.8)	ND(5.1)	ND(5)	ND(5)	ND(5)	ND(18)	ND(54) UJ	ND(21)	ND(12)	ND(5.2)	ND(4.4)	ND(8.7)	ND(8.6)	ND(3.7)	ND(6.9)	ND(6.9)	ND(6.8)	ND(3.2)
		35	373	ND(18)	ND(5.5)	ND(12)	ND(8.6)	ND(7.5)	ND(7.4)	ND(7.4)	ND(7.4)	ND(27)	ND(80) UJ	ND(30)	ND(18)	ND(7.6)	ND(6.5)	ND(13)	ND(13)	ND(5.5)	ND(10)	ND(10)	ND(10)	ND(4.8)
		40	397	ND(19)	ND(5.8)	ND(12)	ND(9.1)	ND(8)	ND(7.9)	ND(7.9)	ND(7.9)	ND(29)	ND(85) UJ	ND(32)	ND(20)	ND(8.1)	ND(6.9)	ND(14)	ND(13)	ND(5.8)	ND(11)	ND(11)	ND(11)	ND(5.1)
		45	388	ND(18)	ND(5.7)	ND(12)	ND(8.9)	ND(7.8)	ND(7.7)	ND(7.7)	ND(7.7)	ND(28)	ND(83) UJ	ND(32)	ND(19)	ND(7.9)	ND(6.7)	ND(13)	ND(13)	ND(5.7)	ND(10)	ND(10)	ND(10)	ND(5)
		50	560	ND(27)	ND(8.2)	ND(18)	ND(13)	ND(11)	ND(11)	ND(11)	ND(11)	ND(40)	ND(120) UJ	ND(46)	ND(28)	ND(11)	ND(9.7)	ND(19)	ND(19)	ND(8.2)	ND(15)	ND(15)	ND(15)	ND(7.2)
		55	672	ND(32)	ND(9.9)	ND(21)	ND(15)	ND(14)	ND(13)	ND(13)	ND(13)	ND(48)	ND(140) UJ	ND(55)	ND(33)	ND(14)	ND(12)	ND(23)	ND(23)	ND(9.9)	ND(18)	ND(18)	ND(18)	ND(8.6)
		60	166	ND(7.9)	ND(2.4)	ND(5.2)	ND(3.8)	ND(3.4)	ND(3.3)	ND(3.3)	ND(3.3)	ND(12)	ND(35) UJ	ND(14)	ND(8.2)	ND(3.4)	ND(2.9)	ND(5.7)	ND(5.6)	ND(2.4)	ND(4.5)	ND(4.5)	ND(4.5)	ND(2.1)

US EPA ARCHIVE DOCUMENT

TABLE 2-8b. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, SOLVENT RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Acetone mg/m³	2-Butanone mg/m³	Carbon tetrachloride mg/m³	Chloro-benzene mg/m³	1,1-Dichloro-ethane mg/m³	1,1-Dichloro-ethene mg/m³	cis-1,2-Dichloroethene mg/m³	trans-1,2-Dichloroethene mg/m³	1,4-Dioxane mg/m³	Hexachloro-butadiene mg/m³	2-Hexanone mg/m³	Isopropanol mg/m³	4-Methyl-2-Pentanone mg/m³	Methylene Chloride mg/m³	1,1,2,2-Tetrachloro-ethane mg/m³	Tetrachloro-ethene mg/m³	Tetrahydro-furan mg/m³	1,1,1-Trichloro-ethane mg/m³	1,1,2-Trichloro-ethane mg/m³	Trichloro-ethene mg/m³	Vinyl Chloride mg/m³
VW-127	May 2005	5	2.09	0.013	ND(0.0031)	ND(0.0066)	ND(0.0048)	ND(0.0042)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0043)	0.0073	ND(0.0072)	ND(0.0071)	ND(0.012)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0027)
		10	2.33	0.018	ND(0.0034)	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.011)	ND(0.0048)	0.012	ND(0.008)	ND(0.0079)	ND(0.014)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		15	2.24	0.012	0.0045	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	0.021	ND(0.0077)	ND(0.0076)	ND(0.013)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		20	2.16	ND(0.01)	ND(0.0032)	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046)	ND(0.018)	ND(0.011)	ND(0.0044)	0.0091	ND(0.0074)	0.096	ND(0.013)	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
		30	4.6	ND(0.022)	ND(0.0068)	ND(0.014)	ND(0.01)	ND(0.0093)	ND(0.0091)	ND(0.0091)	ND(0.0091)	ND(0.033)	ND(0.098)	ND(0.038)	ND(0.023)	ND(0.0094)	0.028	ND(0.016)	ND(0.016)	ND(0.027)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.0059)
		40	2.16	0.028	0.0057	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046)	ND(0.018)	ND(0.011)	ND(0.0044)	0.008	ND(0.0074)	0.12	ND(0.013)	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
		50	4.4	ND(0.021)	ND(0.0065)	ND(0.014)	ND(0.01)	ND(0.0089)	ND(0.0087)	ND(0.0087)	ND(0.0087)	ND(0.032)	ND(0.094)	ND(0.036)	ND(0.022)	ND(0.009)	ND(0.0076)	ND(0.015)	0.14	ND(0.026)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.0056)
	Sep 2005	5	2.24	0.017	0.0043	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048) J	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.013)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		10	2.2	0.024	0.0045	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047) J	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	0.0076	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		15	2.29	0.03	0.0055	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049) J	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.014)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		20	2.2	0.02	0.0043	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047) J	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		30	2.38	0.011	ND(0.0035)	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051) J	ND(0.019)	ND(0.012)	ND(0.0049)	ND(0.0041)	ND(0.0082)	0.064	ND(0.014)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		40	2.2	0.022 U	0.0051 U	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	0.25	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		40 Dup	2.2	0.016	0.0032	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	0.25	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		50	2.2	0.012 U	ND(0.0032)	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	0.13	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
	Oct 2005	20	2.16	0.01	ND(0.0032)	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046)	ND(0.018)	ND(0.011)	ND(0.0044)	ND(0.0038)	ND(0.0074)	ND(0.0073)	ND(0.013)	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
		30	2.14	ND(0.01)	ND(0.0032)	ND(0.0067)	ND(0.0049)	ND(0.0043)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.015)	ND(0.046)	ND(0.018)	ND(0.01)	ND(0.0044)	ND(0.0037)	ND(0.0073)	0.032	ND(0.013)	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0027)
		40	2.2	0.014	ND(0.0032)	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	0.0071	ND(0.0076)	0.19	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		50	2.05	0.026	0.0066	ND(0.0064)	ND(0.0047)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0042)	ND(0.0036)	ND(0.007)	0.074	ND(0.012)	ND(0.0056)	ND(0.0056)	ND(0.0055)	ND(0.0026)
	Apr 2008	5	476	ND(2.3)	ND(0.7)	ND(1.5)	ND(1.1)	ND(0.96)	ND(0.94)	ND(0.94)	ND(0.94)	ND(3.4)	ND(10)	ND(3.9)	ND(2.3)	ND(0.97)	ND(0.83)	ND(1.6)	ND(1.6)	ND(0.7)	ND(1.3)	ND(1.3)	ND(1.3)	ND(0.61)
		10	8.43	0.16	0.015	ND(0.026)	ND(0.019)	ND(0.017)	ND(0.017)	ND(0.017)	ND(0.017)	ND(0.061)	ND(0.18)	ND(0.069)	ND(0.041)	ND(0.017)	ND(0.015)	ND(0.029)	ND(0.028)	ND(0.012)	ND(0.023)	ND(0.023)	ND(0.023)	ND(0.011)
		15	2.58	0.081	0.017	ND(0.0081)	ND(0.0059)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0051)	ND(0.018)	ND(0.055)	ND(0.021)	ND(0.013)	ND(0.0053)	ND(0.0045)	ND(0.0088)	ND(0.0088)	0.0042	ND(0.007)	ND(0.007)	ND(0.0069)	ND(0.0033)
		20	2.64	0.015	0.004	ND(0.0083)	ND(0.0061)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.0052)	ND(0.019)	ND(0.056)	ND(0.022)	ND(0.013)	ND(0.0054)	ND(0.0046)	ND(0.0091)	ND(0.009)	ND(0.0039)	ND(0.0072)	ND(0.0072)	ND(0.0071)	ND(0.0034)
		30	2.38	0.028	0.0084	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.019)	ND(0.012)	ND(0.0049)	ND(0.0041)	ND(0.0082)	0.036	ND(0.0035)	ND(0.0065)	ND(0.0065)	0.0077	ND(0.003)
		40	2.42	0.048	0.013	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	0.024	ND(0.005)	0.12	ND(0.0083)	0.17	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		50	2.33	0.074	0.013	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.011)	ND(0.0048)	ND(0.004)	ND(0.008)	0.059	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
	Sep 2008	5	843	ND(4)	ND(1.2)	ND(2.6)	ND(1.9)	ND(1.7)	ND(1.7)	ND(1.7)	ND(1.7)	ND(6.1)	ND(18)	ND(6.9)	ND(4.1) UJ	ND(1.7)	ND(1.5)	ND(2.9)	ND(2.8)	ND(1.2)	ND(2.3)	ND(2.3)	ND(2.3)	ND(1.1)
		10	96.8	ND(0.46)	ND(0.14)	ND(0.3)	ND(0.22)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.7)	ND(2.1)	ND(0.79)	ND(0.48) UJ	ND(0.2)	ND(0.17)	ND(0.33)	ND(0.33)	ND(0.14)	ND(0.26)	ND(0.26)	ND(0.26)	ND(0.12)
		15	2.38	0.023 U	ND(0.0035)	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.019)	ND(0.012)	ND(0.0049)	ND(0.0041)	ND(0.0082)	ND(0.0081)	ND(0.0035)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		20	2.47	0.044 JB	0.016 JB	ND(0.0078)	ND(0.0057)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0049)	ND(0.018)	ND(0.053)	ND(0.02)	0.012 U	ND(0.005)	ND(0.0043)	ND(0.0085)	ND(0.0084)	ND(0.0036)	ND(0.0067)	ND(0.0067)	ND(0.0066)	ND(0.0032)
		30	2.24	0.011 U	0.0059 JB	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	0.043	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		40	2.33	0.15 JB	0.052 JB	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	0.035	0.016 U	ND(0.0048)	0.005	ND(0.008)	0.17	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		50	2.2	0.075 JB	0.012 JB	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	0.069	ND(0.0032)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
	Dec 2008	5	2.24	ND(0.011)	ND(0.0033)	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		10	2.16	0.03 U	ND(0.0032)	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046)	ND(0.018)	ND(0.011)	ND(0.0044)	ND(0.0038)	ND(0.0074)	ND(0.0073)	ND(0.0032)	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
		15	2.13	0.013 U	ND(0.0031)	ND(0.0067)	ND(0.0049)	ND(0.0043)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.015)	ND(0.045)	ND(0.017)	ND(0.01)	ND(0.0044)	ND(0.0037)	ND(0.0073)	ND(0.0072)	ND(0.0031)	ND(0.0058)	ND(0.0058)	ND(0.0057)	ND(0.0027)
		20	2.33	0.027	0.013	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.011)	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		30	2.16	0.013	0.035	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046)	ND(0.018)	ND(0.011)	ND(0.0044)	ND(0.0038)	ND(0.0074)	0.046	0.058	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
		40	2.09	0.029 J	0.01 J	ND(0.0066)	ND(0.0048)	ND(0.0042)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0043)	ND(0.0036)	ND(0.0072)	0.2	ND(0.0031)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0027)
		40 Dup	2.05	0.017 J	ND(0.003) UJ	ND(0.0064)	ND(0.0047)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0042)	ND(0.0036)	ND(0.007)	0.2	ND(0.003)	ND(0.0056)	ND(0.0056)	ND(0.0055)	ND(0.0026)
		50	2.05	ND(0.0097)	ND(0.003)	ND(0.0064)	ND(0.0047)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0042)	ND(0.0036)	ND(0.007)	0.083	ND(0.003)	ND(0.0056)	ND(0.0056)	ND(0.0055)	ND(0.0026)
	Sep/Oct 2009	5	2.42	0.24	0.029	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052) UJ	ND(0.02)	0.018	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		10	2.24	0.039	0.0042	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048) UJ	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		15	2.38	0.13	0.074	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	0.017 J	ND(0.051) UJ	ND(0.019)	ND(0.012)	0.0085	ND(0.0041)	ND(0.0082)	ND(0.0081)	0.013	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		20	2.24	0.016	0.0049	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048) UJ	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	0.0082	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		30	2.29	0.011	ND(0.0034)	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049) UJ	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	0.049	ND(0.0034)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		40	2.42	0.042	0.013 J	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052) UJ	ND(0.02)	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0083)	0.16	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		40 Dup	2.42	0.034	0.0066 J	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052) UJ	ND(0.02)	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0083)	0.16	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		50	2.38	0.11	0.02	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051) UJ	ND(0.019)	ND(0.012)	ND(0.0049)	ND(0.0041)	ND(0.0082)	0.086	ND(0.0035)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)

US EPA ARCHIVE DOCUMENT

TABLE 2-8b. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, SOLVENT RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Acetone mg/m^3	2-Butanone mg/m^3	Carbon tetrachloride mg/m^3	Chloro-benzene mg/m^3	1,1-Dichloro-ethane mg/m^3	1,1-Dichloro-ethene mg/m^3	cis-1,2-Dichloroethene mg/m^3	trans-1,2-Dichloroethene mg/m^3	1,4-Dioxane mg/m^3	Hexachloro-butadiene mg/m^3	2-Hexanone mg/m^3	Isopropanol mg/m^3	4-Methyl-2-Pentanone mg/m^3	Methylene Chloride mg/m^3	1,1,2,2-Tetrachloro-ethane mg/m^3	Tetrachloro-ethene mg/m^3	Tetrahydro-furan mg/m^3	1,1,1-Trichloro-ethane mg/m^3	1,1,2-Trichloro-ethane mg/m^3	Trichloro-ethene mg/m^3	Vinyl Chloride mg/m^3
VW-128	Apr 2005	5	2.33	ND(0.011)	ND(0.0034)	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.011)	ND(0.0048)	0.038	ND(0.008)	ND(0.0079)	ND(0.014)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		10	2.47	ND(0.012)	ND(0.0036)	ND(0.0078)	ND(0.0057)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0049)	ND(0.018)	ND(0.053)	ND(0.02)	ND(0.012)	ND(0.005)	0.042	ND(0.0085)	ND(0.0084)	ND(0.014)	ND(0.0067)	ND(0.0067)	ND(0.0066)	ND(0.0032)
		15	2.53	0.014	0.0048	ND(0.008)	ND(0.0058)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.018)	ND(0.054)	ND(0.021)	ND(0.012)	ND(0.0052)	0.028	ND(0.0087)	ND(0.0086)	ND(0.015)	ND(0.0069)	ND(0.0069)	ND(0.0068)	ND(0.0032)
		20	2.42	ND(0.011)	ND(0.0036)	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	ND(0.012)	ND(0.005)	0.036	ND(0.0083)	ND(0.0082)	ND(0.014)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		30	2.42	ND(0.011)	ND(0.0036)	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.014)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		40	2.2	0.012	ND(0.0032)	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		50	2.64	0.02	ND(0.0039)	ND(0.0083)	ND(0.0061)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.0052)	ND(0.019)	ND(0.056)	ND(0.022)	ND(0.013)	ND(0.0054)	ND(0.0046)	ND(0.0091)	ND(0.009)	ND(0.016)	ND(0.0072)	ND(0.0072)	ND(0.0071)	ND(0.0034)
		50 Dup	2.42	0.012	ND(0.0036)	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052) J	ND(0.02)	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.014)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
	Sep 2005	5	2.29	0.023 U	0.0064 U	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049)	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.014)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		10	2.42	0.04 U	0.0079 U	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0083)	0.025	ND(0.014)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		15	2.33	ND(0.011)	ND(0.0034)	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.011)	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.014)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		20	2.29	0.022 U	0.0066 U	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049)	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.014)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		30	2.84	0.066	0.028	ND(0.0089)	ND(0.0065)	ND(0.0057)	ND(0.0056)	ND(0.0056)	ND(0.0056)	ND(0.02)	ND(0.06)	ND(0.023)	ND(0.014)	ND(0.0058)	ND(0.0049)	ND(0.0097)	ND(0.0096)	ND(0.017)	ND(0.0077)	ND(0.0077)	ND(0.0076)	ND(0.0036)
		40	2.2	0.012 U	0.0065 U	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		40 Dup	2.24	0.022	0.01	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.013)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		50	2.24	0.038 U	0.0067 U	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.013)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
	Oct 2005	20	2.16	ND(0.01)	ND(0.0032)	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046)	ND(0.018)	ND(0.011)	ND(0.0044)	ND(0.0038)	ND(0.0074)	ND(0.0073)	ND(0.013)	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
		30	2.05	ND(0.0097)	ND(0.003)	ND(0.0064)	ND(0.0047)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0042)	ND(0.0036)	ND(0.007)	ND(0.007)	ND(0.012)	ND(0.0056)	ND(0.0056)	ND(0.0055)	ND(0.0026)
		40	2.02	ND(0.0096)	ND(0.003)	ND(0.0064)	ND(0.0046)	ND(0.0041)	ND(0.004)	ND(0.004)	ND(0.004)	ND(0.014)	ND(0.043)	ND(0.016)	ND(0.0099)	ND(0.0041)	ND(0.0035)	ND(0.0069)	ND(0.0068)	ND(0.012)	ND(0.0055)	ND(0.0055)	ND(0.0054)	ND(0.0026)
		50	2.09	ND(0.0099)	ND(0.0031)	ND(0.0066)	ND(0.0048)	ND(0.0042)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0043)	ND(0.0036)	ND(0.0072)	ND(0.0071)	ND(0.012)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0027)
		50 Dup	2.01	ND(0.0095)	ND(0.003)	ND(0.0063)	ND(0.0046)	ND(0.0041)	ND(0.004)	ND(0.004)	ND(0.004)	ND(0.014)	ND(0.043)	ND(0.016)	ND(0.0099)	ND(0.0041)	ND(0.0035)	ND(0.0069)	ND(0.0068)	ND(0.012)	ND(0.0055)	ND(0.0055)	ND(0.0054)	ND(0.0026)
	Jun/Jul 2006	5	2.58	0.013 J	0.0062 J	ND(0.0081)	ND(0.0059)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0051)	ND(0.018)	ND(0.055) J	ND(0.021)	ND(0.013)	ND(0.0053)	ND(0.0045)	ND(0.0088)	ND(0.0088)	ND(0.015)	ND(0.007)	ND(0.007)	ND(0.0069)	ND(0.0033)
		10	2.47	0.023 J	0.017 J	ND(0.0078)	ND(0.0057)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0049)	ND(0.018)	ND(0.053) J	ND(0.02)	ND(0.012)	ND(0.005)	ND(0.0043)	ND(0.0085)	ND(0.0084)	ND(0.014)	ND(0.0067)	ND(0.0067)	ND(0.0066)	ND(0.0032)
		15	2.64	ND(0.012) J	ND(0.0039) J	ND(0.0083)	ND(0.0061)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.0052)	ND(0.019)	ND(0.056) J	ND(0.022)	ND(0.013)	ND(0.0054)	ND(0.0046)	ND(0.0091)	ND(0.009)	ND(0.016)	ND(0.0072)	ND(0.0072)	ND(0.0071)	ND(0.0034)
		20	2.24	0.011 J	0.0035 J	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048) J	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.013)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		30	2.29	0.017 J	0.0038	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049) J	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.014)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		40	2.38	0.014 J	ND(0.0035) J	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051) J	ND(0.019)	ND(0.012)	ND(0.0049)	ND(0.0041)	ND(0.0082)	ND(0.0081)	ND(0.014)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		50	2.58	0.19 J	0.085 J	ND(0.0081)	ND(0.0059)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0051)	ND(0.018)	ND(0.055) J	0.041 J	0.014	ND(0.0053)	ND(0.0045)	ND(0.0088)	ND(0.0088)	ND(0.015)	ND(0.007)	ND(0.007)	ND(0.0069)	ND(0.0033)
		50 Dup	2.2	0.14 J	0.06 J	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047) J	0.025	0.017	0.0062 J	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
	Apr 2008	5	2.29	0.084	0.018	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049)	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.0034)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		10	2.09	0.042 J	0.01 J	ND(0.0066) J	ND(0.0048) J	ND(0.0042) J	ND(0.0041) J	ND(0.0041) J	ND(0.0041) J	ND(0.015) J	ND(0.044) J	ND(0.017) J	0.028 J	ND(0.0043) J	ND(0.0036) J	ND(0.0072) J	ND(0.0071) J	ND(0.0031) J	ND(0.0057) J	ND(0.0057) J	ND(0.0056) J	ND(0.0027) J
		15	2.64	0.027	0.0065 J	ND(0.0083)	ND(0.0061)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.0052)	ND(0.019)	ND(0.056)	ND(0.022)	0.017	ND(0.0054)	ND(0.0046)	ND(0.0091)	ND(0.009)	ND(0.0039)	ND(0.0072)	ND(0.0072)	ND(0.0071)	ND(0.0034)
		20	2.38	0.011	ND(0.0035)	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.019)	ND(0.012)	ND(0.0049)	ND(0.0041)	ND(0.0082)	0.028	ND(0.0035)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		30	2.02	0.022	0.0066	ND(0.0064)	ND(0.0046)	ND(0.0041)	ND(0.004)	ND(0.004)	ND(0.004)	ND(0.014)	ND(0.043)	ND(0.016)	0.06	ND(0.0041)	0.0039	ND(0.0069)	ND(0.0068)	ND(0.003)	ND(0.0055)	ND(0.0055)	ND(0.0054)	ND(0.0026)
		40	2.38	0.023	0.0067	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.019)	0.11	ND(0.0049)	ND(0.0041)	ND(0.0082)	ND(0.0081)	ND(0.0035)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		50	2.09	0.014	ND(0.0031)	ND(0.0066)	ND(0.0048)	ND(0.0042)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0043)	ND(0.0036)	ND(0.0072)	ND(0.0071)	ND(0.0031)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0027)
		50 Dup	2.09	0.011	ND(0.0031)	ND(0.0066)	ND(0.0048)	ND(0.0042)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0043)	ND(0.0036)	ND(0.0072)	ND(0.0071)	ND(0.0031)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0027)
	Sep 2008	5	2.2	ND(0.01)	ND(0.0032)	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.0032)	ND(0.006)	ND(0.006)	0.026	ND(0.0028)
		10	2.33	0.015 U	0.0035 U	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	0.014 U	ND(0.0048)	ND(0.004)	ND(0.008)	0.018	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		15	2.24	0.032 JB	0.0049 U	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	0.061	ND(0.0077)	ND(0.0076)	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		20	2.24	0.031 JB	ND(0.0033) UJ	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	0.057	ND(0.0077)	ND(0.0076)	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		30	2.24	0.031 JB	0.0075 JB	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	0.027 U	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		40	2.29	0.013 U	0.0034 U	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049)	ND(0.019)	0.017 U	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.0034)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		50	2.33	0.32 J	0.42 J	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	1.4	0.04 JB	0.45	ND(0.004)	ND(0.008)	ND(0.0079)	0.015	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
	Dec 2008	5	2.24	0.016	0.0064	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		10	2.24	ND(0.011)	ND(0.0033)	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		15	2.13	ND(0.01)	ND(0.0031)	ND(0.0067)	ND(0.0049)	ND(0.0043)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.015)	ND(0.045)	ND(0.017)	ND(0.01)	ND(0.0044)	ND(0.0037)	ND(0.0073)	ND(0.0072)	ND(0.0031)	ND(0.0058)	ND(0.0058)	ND(0.0057)	ND(0.0027)
		20	2.2	0.011	ND(0.0032)	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.0032)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		30	2.24	0.014	ND(0.0033)	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		40	2.24	0.014	ND(0.0033)	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	ND(0.011)	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		50	2.2	ND(0.01)	ND(0.0032)	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.0032)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)

US EPA ARCHIVE DOCUMENT

TABLE 2-8b. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, SOLVENT RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Acetone mg/m³	2-Butanone mg/m³	Carbon tetrachloride mg/m³	Chloro-benzene mg/m³	1,1-Dichloro-ethane mg/m³	1,1-Dichloro-ethene mg/m³	cis-1,2-Dichloroethene mg/m³	trans-1,2-Dichloroethene mg/m³	1,4-Dioxane mg/m³	Hexachloro-butadiene mg/m³	2-Hexanone mg/m³	Isopropanol mg/m³	4-Methyl-2-Pentanone mg/m³	Methylene Chloride mg/m³	1,1,2,2-Tetrachloro-ethane mg/m³	Tetrachloro-ethene mg/m³	Tetrahydro-furan mg/m³	1,1,1-Trichloro-ethane mg/m³	1,1,2-Trichloro-ethane mg/m³	Trichloro-ethene mg/m³	Vinyl Chloride mg/m³
VW-128	Sep/Oct 2009	5	2.37	0.039	0.017	ND(0.0074)	ND(0.0054)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.05)	ND(0.019) UJ	ND(0.012)	ND(0.0048)	ND(0.0041)	ND(0.0081)	ND(0.008)	ND(0.0035)	0.012	ND(0.0065)	ND(0.0064)	ND(0.003)
		10	2.13	ND(0.01)	ND(0.0031)	ND(0.0067)	ND(0.0049)	ND(0.0043)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.015)	ND(0.045)	ND(0.017) UJ	ND(0.01)	ND(0.0044)	ND(0.0037)	ND(0.0073)	ND(0.0072)	ND(0.0031)	ND(0.0058)	ND(0.0058)	ND(0.0057)	ND(0.0027)
		15	2.24	0.043	0.0098	ND(0.007)	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048) UJ	ND(0.018)	0.016	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0029)
		20	2.2	0.056	0.014	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	0.24	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.0032)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		30	2.3	0.091	0.05	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.016)	ND(0.049)	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.0034)	ND(0.0063)	ND(0.0063)	ND(0.0062)	ND(0.0029)
		40	2.3	0.022	0.0059	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.016)	ND(0.049)	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.0034)	ND(0.0063)	ND(0.0063)	ND(0.0062)	ND(0.0029)
		50	2.3	ND(0.011)	ND(0.0034)	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.016)	ND(0.049)	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.0034)	ND(0.0063)	ND(0.0063)	ND(0.0062)	ND(0.0029)
VW-129	Apr 2005	5	2.53	ND(0.012)	ND(0.0037)	ND(0.008)	ND(0.0058)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.018)	ND(0.054)	ND(0.021)	ND(0.012)	ND(0.0052)	ND(0.0044)	ND(0.0087)	ND(0.0086)	ND(0.015)	0.0079	ND(0.0069)	ND(0.0068)	ND(0.0032)
		10	2.42	0.015	ND(0.0036)	0.0077	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.014)	0.0086	ND(0.0066)	ND(0.0065)	ND(0.0031)
		15	2.82	0.029	0.0056	0.012	ND(0.0065)	ND(0.0057)	ND(0.0056)	ND(0.0056)	ND(0.0056)	ND(0.02)	ND(0.06)	ND(0.023)	ND(0.014)	ND(0.0058)	ND(0.0049)	ND(0.0097)	ND(0.0096)	ND(0.017)	0.021	ND(0.0077)	ND(0.0076)	ND(0.0036)
		20	2.33	0.015	ND(0.0034)	0.0099	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.011)	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.014)	0.01	ND(0.0064)	ND(0.0063)	ND(0.003)
		30	2.16	ND(0.01)	ND(0.0032)	0.013	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046)	ND(0.018)	ND(0.011)	ND(0.0044)	ND(0.0038)	ND(0.0074)	ND(0.0073)	ND(0.013)	0.014	ND(0.0059)	ND(0.0058)	ND(0.0028)
		40	2.38	0.021	ND(0.0035)	0.014	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.019)	ND(0.012)	ND(0.0049)	ND(0.0041)	ND(0.0082)	ND(0.0081)	ND(0.014)	0.018	ND(0.0065)	ND(0.0064)	ND(0.003)
		50	2.89	0.022	0.0046	ND(0.0091)	ND(0.0066)	ND(0.0058)	ND(0.0057)	ND(0.0057)	ND(0.0057)	ND(0.021)	ND(0.062)	ND(0.024)	ND(0.014)	ND(0.0059)	0.026	ND(0.0099)	ND(0.0098)	ND(0.017)	ND(0.0079)	ND(0.0079)	ND(0.0078)	ND(0.0037)
		50 Dup	2.53	0.032	0.011	0.012	ND(0.0058)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.018)	ND(0.054)	ND(0.021)	ND(0.012)	ND(0.0052)	ND(0.0044)	ND(0.0087)	ND(0.0086)	ND(0.015)	0.021	ND(0.0069)	ND(0.0068)	ND(0.0032)
	Jun/Jul 2006	5	2.33	0.1 J	0.042	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05) J	0.019	ND(0.011)	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.014)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		10	2.29	0.027 J	0.0085	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049) J	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.014)	0.0064	ND(0.0062)	ND(0.0062)	ND(0.0029)
		15	2.64	0.03 J	0.0087	ND(0.0083)	ND(0.0061)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.0052)	ND(0.019)	ND(0.056) J	ND(0.022)	ND(0.013)	ND(0.0054)	ND(0.0046)	ND(0.0091)	ND(0.009)	ND(0.016)	0.0072	ND(0.0072)	ND(0.0071)	ND(0.0034)
		20	3.46	0.04 J	0.0087	ND(0.011)	ND(0.008)	ND(0.007)	ND(0.0068)	ND(0.0068)	ND(0.0068)	ND(0.025)	ND(0.074) J	ND(0.028)	ND(0.017)	ND(0.0071)	ND(0.006)	ND(0.012)	ND(0.012)	ND(0.02)	ND(0.0094)	ND(0.0094)	ND(0.0093)	ND(0.0044)
		30	2.47	0.035 J	0.0079	0.0099	ND(0.0057)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0049)	ND(0.018)	ND(0.053) J	ND(0.02)	ND(0.012)	ND(0.005)	ND(0.0043)	ND(0.0085)	ND(0.0084)	ND(0.014)	0.0093	ND(0.0067)	ND(0.0066)	ND(0.0032)
		40	2.69	0.02 J	0.005	0.011	ND(0.0062)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0053)	ND(0.019)	ND(0.057) J	ND(0.022)	ND(0.013)	ND(0.0055)	ND(0.0047)	ND(0.0092)	ND(0.0091)	ND(0.016)	0.011	ND(0.0073)	ND(0.0072)	ND(0.0034)
		50	2.13	0.056 J	0.012	0.012	ND(0.0049)	ND(0.0043)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.015)	ND(0.045) J	ND(0.017)	ND(0.01)	ND(0.0044)	ND(0.0037)	ND(0.0073)	ND(0.0072)	ND(0.012)	0.016	ND(0.0058)	ND(0.0057)	ND(0.0027)
	Apr 2008	5	2.53	0.063	0.019	ND(0.008)	ND(0.0058)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.018)	ND(0.054)	ND(0.021)	ND(0.012)	ND(0.0052)	ND(0.0044)	ND(0.0087)	ND(0.0086)	ND(0.0037)	ND(0.0069)	ND(0.0069)	ND(0.0068)	ND(0.0032)
		10	2.58	0.033	0.01	ND(0.0081)	ND(0.0059)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0051)	ND(0.018)	ND(0.055)	ND(0.021)	ND(0.013)	ND(0.0053)	ND(0.0045)	ND(0.0088)	ND(0.0088)	ND(0.0038)	0.0074	ND(0.007)	ND(0.0069)	ND(0.0033)
		15	2.47	0.018	0.0069	ND(0.0078)	ND(0.0057)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0049)	ND(0.018)	ND(0.053)	ND(0.02)	ND(0.012)	ND(0.005)	ND(0.0043)	ND(0.0085)	ND(0.0084)	ND(0.0036)	ND(0.0067)	ND(0.0067)	ND(0.0066)	ND(0.0032)
		20	2.33	0.018	0.0072	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	0.012	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		30	2.24	0.057	0.0091	0.0089	ND(0.0052)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	0.22	ND(0.0046)	ND(0.0039)	ND(0.0077)	ND(0.0076)	ND(0.0033)	0.0087	ND(0.0061)	ND(0.006)	ND(0.0029)
		40	2.38	0.047	0.0086	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.019)	0.014	ND(0.0049)	ND(0.0041)	ND(0.0082)	ND(0.0081)	ND(0.0035)	0.0067	ND(0.0065)	ND(0.0064)	ND(0.003)
		50	2.47	0.032	0.0095	0.01	ND(0.0057)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0049)	ND(0.018)	ND(0.053)	ND(0.02)	0.031	ND(0.005)	ND(0.0043)	ND(0.0085)	ND(0.0084)	0.0042	0.014	ND(0.0067)	ND(0.0066)	ND(0.0032)
	Sep 2008	5	2.53	ND(0.012)	ND(0.0037)	ND(0.008)	ND(0.0058)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.018)	ND(0.054)	ND(0.021)	0.012 U	ND(0.0052)	ND(0.0044)	ND(0.0087)	ND(0.0086)	ND(0.0037)	ND(0.0069)	ND(0.0069)	ND(0.0068)	ND(0.0032)
		10	2.58	0.014 U	ND(0.0038)	ND(0.0081)	ND(0.0059)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0051)	ND(0.018)	ND(0.055)	ND(0.021)	0.012 U	ND(0.0053)	ND(0.0045)	ND(0.0088)	ND(0.0088)	ND(0.0038)	ND(0.007)	ND(0.007)	ND(0.0069)	ND(0.0033)
		15	2.38	0.048 JB	0.011 JB	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051) UJ	ND(0.019)	ND(0.012) UJ	ND(0.0049)	ND(0.0041)	ND(0.0082)	ND(0.0081)	ND(0.0035)	0.0091 J	ND(0.0065)	ND(0.0064)	ND(0.003)
		20	2.47	0.039 JB	ND(0.0036)	ND(0.0078)	ND(0.0057)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0049)	ND(0.018)	ND(0.053) UJ	ND(0.02)	0.013 U	ND(0.005)	ND(0.0043)	ND(0.0085)	ND(0.0084)	ND(0.0036)	0.0086 J	ND(0.0067)	ND(0.0066)	ND(0.0032)
		20 Dup	2.42	0.042 JB	ND(0.0036)	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052) UJ	ND(0.02)	0.014 U	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.0036)	0.0085 J	ND(0.0066)	ND(0.0065)	ND(0.0031)
		30	2.38	0.052 JB	0.0062 JB	0.0096	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051) UJ	ND(0.019)	0.014 U	ND(0.0049)	ND(0.0041)	ND(0.0082)	ND(0.0081)	ND(0.0035)	0.0097 J	ND(0.0065)	ND(0.0064)	ND(0.003)
		40	2.2	0.03 JB	0.004 U	0.0078	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	0.024 U	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.0032)	0.0083	ND(0.006)	ND(0.0059)	ND(0.0028)
		50	2.53	0.062 JB	0.021 JB	0.0099	ND(0.0058)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.018)	ND(0.054)	ND(0.021)	0.02 U	ND(0.0052)	ND(0.0044)	ND(0.0087)	ND(0.0086)	ND(0.0037)	0.012	ND(0.0069)	ND(0.0068)	ND(0.0032)
		50 Dup	2.53	0.036 JB	0.015 JB	0.011	ND(0.0058)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.018)	ND(0.054)	ND(0.021)	0.014 U	ND(0.0052)	ND(0.0044)	ND(0.0087)	ND(0.0086)	ND(0.0037)	0.013	ND(0.0069)	ND(0.0068)	ND(0.0032)
	Dec 2008	5	2.33	0.069 U	0.02	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.011)	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079) UJ	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		10	2.16	ND(0.01)	ND(0.0032)	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046)	ND(0.018)	ND(0.011)	ND(0.0044)	ND(0.0038)	ND(0.0074)	ND(0.0073)	ND(0.0032)	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
		15	2.24	0.011 U	ND(0.0033) UJ	ND(0.007) UJ	ND(0.0052) UJ	ND(0.0045) UJ	ND(0.0044) UJ	ND(0.0044) UJ	ND(0.0044) UJ	ND(0.016) UJ	ND(0.048) UJ	ND(0.018) UJ	ND(0.011) UJ	ND(0.0046) UJ	ND(0.0039) UJ	ND(0.0077) UJ	ND(0.0076) UJ	ND(0.0033) UJ	ND(0.0061) UJ	ND(0.0061) UJ	ND(0.006) UJ	ND(0.0029) UJ
		20	2.13	0.058 U	0.016	ND(0.0067)	ND(0.0049)	ND(0.0043)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.015)	ND(0.045)	ND(0.017)	ND(0.01)	ND(0.0044)	ND(0.0037)	ND(0.0073)	ND(0.0072)	ND(0.0031)	ND(0.0058)	ND(0.0058)	ND(0.0057)	ND(0.0027)
		30	2.2	0.036 U	ND(0.0032)	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	0.025	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.0032)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		40	2.29	0.12 JB	0.02	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049)	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.0034)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		50	2.09	0.043 U	ND(0.0031)	ND(0.0066)	ND(0.0048)	ND(0.0042)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0043)	ND(0.0036)	ND(0.0072)	ND(0.0071)	ND(0.0031)	ND(0.0057)	ND(0.0057)	ND(0.0056)	ND(0.0027)

US EPA ARCHIVE DOCUMENT

TABLE 2-8b. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, SOLVENT RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Acetone mg/m³	2-Butanone mg/m³	Carbon tetrachloride mg/m³	Chloro-benzene mg/m³	1,1-Dichloro-ethane mg/m³	1,1-Dichloro-ethene mg/m³	cis-1,2-Dichloroethene mg/m³	trans-1,2-Dichloroethene mg/m³	1,4-Dioxane mg/m³	Hexachloro-butadiene mg/m³	2-Hexanone mg/m³	Isopropanol mg/m³	4-Methyl-2-Pentanone mg/m³	Methylene Chloride mg/m³	1,1,2,2-Tetrachloro-ethane mg/m³	Tetrachloro-ethene mg/m³	Tetrahydro-furan mg/m³	1,1,1-Trichloro-ethane mg/m³	1,1,2-Trichloro-ethane mg/m³	Trichloro-ethene mg/m³	Vinyl Chloride mg/m³
VW-129	Sep/Oct 2009	5	2.42	ND(0.011)	ND(0.0036)	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		10	2.39	0.011 J	ND(0.0035)	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.02)	ND(0.012)	ND(0.0049)	ND(0.0042)	ND(0.0082)	ND(0.0081)	ND(0.0035)	0.0067	ND(0.0065)	ND(0.0064)	ND(0.003)
		15	2.48	0.017	ND(0.0036)	ND(0.0078)	ND(0.0057)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0049)	ND(0.018)	ND(0.053)	ND(0.02)	ND(0.012)	ND(0.0051)	ND(0.0043)	ND(0.0085)	ND(0.0084)	ND(0.0036)	0.0071	ND(0.0068)	ND(0.0067)	ND(0.0032)
		20	2.39	0.057	0.013	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.02)	ND(0.012)	ND(0.0049)	ND(0.0042)	ND(0.0082)	ND(0.0081)	ND(0.0035)	0.0069	ND(0.0065)	ND(0.0064)	ND(0.003)
		30	2.64	0.045	0.0097	ND(0.0083)	ND(0.0061)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.0052)	ND(0.019)	ND(0.056)	ND(0.022)	ND(0.013)	ND(0.0054)	ND(0.0046)	ND(0.0091)	ND(0.009)	ND(0.0039)	ND(0.0072)	ND(0.0072)	ND(0.0071)	ND(0.0034)
		40	2.42	0.026	ND(0.0036)	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	0.27	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	0.0036	0.0078	ND(0.0066)	ND(0.0065)	ND(0.0031)
		50	2.48	0.026	0.009 J	0.0084	ND(0.0057)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0049)	ND(0.018)	ND(0.053)	ND(0.02)	ND(0.012)	ND(0.0051)	ND(0.0043)	ND(0.0085)	ND(0.0084)	ND(0.0036)	0.01	ND(0.0068)	ND(0.0067)	ND(0.0032)
		50 Dup	2.44	0.024	0.0052 J	0.0077	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.018)	ND(0.052)	ND(0.02)	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0084)	ND(0.0083)	ND(0.0036)	0.011	ND(0.0066)	ND(0.0066)	ND(0.0031)
VW-130	Apr 2005	5	2.76	ND(0.013)	ND(0.0041)	ND(0.0087)	ND(0.0064)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0055)	ND(0.02)	ND(0.059)	ND(0.023)	ND(0.014)	ND(0.0056)	0.024	ND(0.0095)	ND(0.0094)	ND(0.0041)	ND(0.0075)	ND(0.0075)	ND(0.0074)	ND(0.0035)
		10	2.42	ND(0.011)	ND(0.0036)	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	ND(0.012)	ND(0.005)	0.023	ND(0.0083)	ND(0.0082)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		15	2.42	0.031	0.0051	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	ND(0.012)	ND(0.005)	0.008	ND(0.0083)	0.014	0.0093	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		20	2.58	ND(0.012) R	ND(0.0038) R	ND(0.0081) R	ND(0.0059) R	ND(0.0052) R	ND(0.0051) R	ND(0.0051) R	ND(0.0051) R	ND(0.018) R	ND(0.055) R	ND(0.021) R	ND(0.013) R	ND(0.0053) R	0.062 R	ND(0.0088) R	ND(0.0088) R	ND(0.0038) R	ND(0.007) R	ND(0.007) R	ND(0.0069) R	ND(0.0033) R
		30	2.53	0.035 J	0.0094 J	ND(0.008) J	ND(0.0058) J	ND(0.0051) J	ND(0.005) J	ND(0.005) J	ND(0.005) J	ND(0.018) J	ND(0.054) J	ND(0.021) J	ND(0.012) J	ND(0.0052) J	0.018 J	ND(0.0087) J	ND(0.0086) J	0.031 J	ND(0.0069) J	ND(0.0069) J	ND(0.0068) J	ND(0.0032) J
		30 Dup	2.58	0.013 J	0.013	ND(0.0081)	ND(0.0059)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0051)	0.022 J	ND(0.055)	ND(0.021)	ND(0.013)	ND(0.0053)	0.018	ND(0.0088)	0.44	0.0086 J	ND(0.007)	ND(0.007)	ND(0.0069)	ND(0.0033)
		40	2.76	0.016	ND(0.0041)	ND(0.0087)	ND(0.0064)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0055)	ND(0.02)	ND(0.059)	ND(0.023)	ND(0.014)	ND(0.0056)	0.05	ND(0.0095)	ND(0.0094)	0.0042	ND(0.0075)	ND(0.0075)	ND(0.0074)	ND(0.0035)
		50	2.53	0.054	0.0074	ND(0.008)	ND(0.0058)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.018)	ND(0.054)	ND(0.021)	ND(0.012)	ND(0.0052)	ND(0.0044)	ND(0.0087)	ND(0.0086)	0.0058	ND(0.0069)	ND(0.0069)	ND(0.0068)	ND(0.0032)
	May 2005	20	2.2	0.013	0.0094	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.013)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		40	2.58	0.02	0.022	ND(0.0081)	ND(0.0059)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0051)	ND(0.018)	ND(0.055)	ND(0.021)	ND(0.013)	ND(0.0053)	ND(0.0045)	ND(0.0088)	ND(0.0088)	ND(0.015)	ND(0.007)	ND(0.007)	ND(0.0069)	ND(0.0033)
	Apr 2008	5	2.42	0.059	0.016	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	0.014	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
		10	2.33	0.1	0.03	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	0.042	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		15	2.33	0.05 J	0.013	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.011)	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		20	2.33	0.034 J	ND(0.0034) J	ND(0.0073) J	ND(0.0054) J	ND(0.0047) J	ND(0.0046) J	ND(0.0046) J	ND(0.0046) J	ND(0.017) J	ND(0.05) J	ND(0.019) J	ND(0.011) J	ND(0.0048) J	0.14 J	ND(0.008) J	ND(0.0079) J	ND(0.0034) J	ND(0.0064) J	ND(0.0064) J	ND(0.0063) J	ND(0.003) J
		30	77.7	ND(0.37) J	ND(0.11) J	ND(0.24) J	ND(0.18) J	ND(0.16) J	ND(0.15) J	ND(0.15) J	ND(0.15) J	ND(0.56) J	ND(1.6) J	ND(0.64) J	52 J	ND(0.16) J	ND(0.13) J	ND(0.27) J	ND(0.26) J	ND(0.11) J	ND(0.21) J	ND(0.21) J	ND(0.21) J	ND(0.099) J
		40	2.38	0.021	ND(0.0035)	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.019)	ND(0.012) J	ND(0.0049)	0.037 J	ND(0.0082)	ND(0.0081)	ND(0.0035)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		40 Dup	2.42	ND(0.011)	0.0052	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	0.037 J	ND(0.005)	ND(0.0042) J	ND(0.0083)	ND(0.0082)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
	Sep 2008	5	2.33	0.036 JB	0.014 JB	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.011)	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		10	2.2	0.093 JB	0.049 JB	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	0.032	0.014 U	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.0032)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		15	2.2	0.026 JB	0.0086 JB	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	0.015 U	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.0032)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		20	2.2	ND(0.01) UJ	ND(0.0032) UJ	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	0.011 U	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.0032)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		30	2.33	0.058 JB	0.011 JB	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	0.012 U	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		40	2.53	ND(0.012) UJ	0.0046 U	ND(0.008)	ND(0.0058)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.018)	ND(0.054)	ND(0.021)	ND(0.012)	ND(0.0052)	ND(0.0044)	ND(0.0087)	ND(0.0086)	ND(0.0037)	ND(0.0069)	ND(0.0069)	ND(0.0068)	ND(0.0032)
		40 Dup	2.53	0.081 JB	0.036 JB	ND(0.008)	ND(0.0058)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.018)	ND(0.054)	ND(0.021)	ND(0.012)	ND(0.0052)	ND(0.0044)	ND(0.0087)	ND(0.0086)	ND(0.0037)	ND(0.0069)	ND(0.0069)	ND(0.0068)	ND(0.0032)
	Dec 2008	5	2.2	ND(0.01) UJ	ND(0.0032)	ND(0.0069)	ND(0.0051)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.047)	ND(0.018)	ND(0.011)	ND(0.0045)	ND(0.0038)	ND(0.0076)	ND(0.0075)	ND(0.0032)	ND(0.006)	ND(0.006)	ND(0.0059)	ND(0.0028)
		10	2.05	0.14 JB	0.04	ND(0.0064)	ND(0.0047)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0042)	ND(0.0036)	ND(0.007)	ND(0.007) UJ	ND(0.003)	ND(0.0056)	ND(0.0056)	0.03	ND(0.0026)
		15	2.13	0.019 U	ND(0.0031)	ND(0.0067)	ND(0.0049)	ND(0.0043)	ND(0.0042)	ND(0.0042)	ND(0.0042)	ND(0.015)	ND(0.045)	ND(0.017)	ND(0.01)	ND(0.0044)	ND(0.0037)	ND(0.0073)	ND(0.0072) UJ	ND(0.0031)	ND(0.0058)	ND(0.0058)	ND(0.0057)	ND(0.0027)
		20	2.16	0.04 JB	0.0047 U	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046)	ND(0.018)	ND(0.011)	ND(0.0044)	ND(0.0038)	ND(0.0074)	0.0077	0.0041	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
		30	2.05	0.06 JB	0.0086 JB	ND(0.0064)	ND(0.0047)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.0041)	ND(0.015)	ND(0.044)	ND(0.017)	ND(0.01)	ND(0.0042)	ND(0.0036)	ND(0.007)	ND(0.007)	ND(0.003)	ND(0.0056)	ND(0.0056)	ND(0.0055)	ND(0.0026)
		40	2.53	0.02 JB	0.0082 JB	ND(0.008)	ND(0.0058)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.018)	ND(0.054)	ND(0.021)	ND(0.012)	ND(0.0052)	ND(0.0044)	ND(0.0087)	ND(0.0086)	ND(0.0037)	ND(0.0069)	ND(0.0069)	ND(0.0068)	ND(0.0032)
		40 Dup	2.42	0.023 JB	0.0097 JB	ND(0.0076)	ND(0.0056)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.017)	ND(0.052)	ND(0.02)	ND(0.012)	ND(0.005)	ND(0.0042)	ND(0.0083)	ND(0.0082)	ND(0.0036)	ND(0.0066)	ND(0.0066)	ND(0.0065)	ND(0.0031)
	Sep/Oct 2009	5	2.37	ND(0.011)	ND(0.0035)	ND(0.0074)	ND(0.0054)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.012)	ND(0.0048)	ND(0.0041)	ND(0.0081)	ND(0.008)	ND(0.0035)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		10	2.35	0.031	0.01	ND(0.0074)	0.064	ND(0.0048)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.012)	ND(0.0048)	ND(0.0041)	ND(0.0081)	ND(0.008)	ND(0.0035)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		15	2.28	0.017	ND(0.0034)	ND(0.0072)	ND(0.0052)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049)	ND(0.019)	ND(0.011)	ND(0.0047)	ND(0.004)	ND(0.0078)	ND(0.0077)	0.0066	ND(0.0062)	ND(0.0062)	ND(0.0061)	ND(0.0029)
		20	2.39	0.026	0.0048	ND(0.0075)	ND(0.0055)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.017)	ND(0.051)	ND(0.02)	ND(0.012)	ND(0.0049)	ND(0.0042)	ND(0.0082)	0.0087	ND(0.0035)	ND(0.0065)	ND(0.0065)	ND(0.0064)	ND(0.003)
		30	2.33	0.014	ND(0.0034)	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	ND(0.011)	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.0034)	ND(0.0064)	ND(0.0064)	ND(0.0063)	ND(0.003)
		40	2.68	0.027	0.0046	ND(0.0084)	ND(0.0062)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0053)	ND(0.019)	ND(0.057)	ND(0.022)	ND(0.013)	ND(0.0055)	ND(0.0046)	ND(0.0092)	ND(0.0091)	0.0048	ND(0.0073)	ND(0.0073)	ND(0.0072)	ND(0.0034)
		40 Dup	2.71	0.031	0.0062	ND(0.0085)	ND(0.0062)	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0054)	ND(0.02)	ND(0.058)	ND(0.022)	ND(0.013)	ND(0.0056)	ND(0.0047)	ND(0.0093)	ND(0.0092)	ND(0.004)	ND(0.0074)	ND(0.0074)	ND(0.0073)	ND(0.0035)
VW-139	Jul 2009	5	3.95	0.076	0.046	ND(0.012)	ND(0.0091)	ND(0.008)	ND(0.0078)	ND(0.0078)	ND(0.0078)	ND(0.028)	ND(0.084)	ND(0.032)	2.7 J	ND(0.0081)	ND(0.0069)	ND(0.014)	ND(0.013)	ND(0.0058)	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.005)
		10	2.29	0.036	0.016	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049)	ND(0.019)	0.45	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.0034)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0029)
		15	2.33	0.051	0.03	ND(0.0073)	ND(0.0054)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.05)	ND(0.019)	0.44	ND(0.0048)	ND(0.004)	ND(0.008)	ND(0.0079)	ND(0.0034)	ND(0.0064)	ND(0.0064)	0.015	ND(0.003)
		20	4.76	0.048	0.028	ND(0.015)	ND(0.011)	ND(0.0096)	ND(0.0094)	ND(0.0094)	ND(0.0094)	ND(0.034)	ND(0.1)	ND(0.039)	3.6 J	ND(0.0097)	ND(0.0083)	ND(0.016)	ND(0.016)	ND(0.007)	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.0061)
		30	4.66	0.07	0.035	ND(0.015)	ND(0.011)	ND(0.0094)	ND(0.0092)	ND(0.0092)	ND(0.0092)	ND(0.034)	ND(0.099)	ND(0.038)	2.7 J	ND(0.0095)	ND(0.0081)	ND(0.016)	0.021	ND(0.0069)	ND(0.013)	ND(0.013)	ND(0.012)	ND(0.006)

US EPA ARCHIVE DOCUMENT

TABLE 2-8b. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, SOLVENT RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Acetone mg/m^3	2-Butanone mg/m^3	Carbon tetrachloride mg/m^3	Chloro-benzene mg/m^3	1,1-Dichloro-ethane mg/m^3	1,1-Dichloro-ethene mg/m^3	cis-1,2-Dichloroethene mg/m^3	trans-1,2-Dichloroethene mg/m^3	1,4-Dioxane mg/m^3	Hexachloro-butadiene mg/m^3	2-Hexanone mg/m^3	Isopropanol mg/m^3	4-Methyl-2-Pentanone mg/m^3	Methylene Chloride mg/m^3	1,1,2,2-Tetrachloro-ethane mg/m^3	Tetrachloro-ethene mg/m^3	Tetrahydro-furan mg/m^3	1,1,1-Trichloro-ethane mg/m^3	1,1,2-Trichloro-ethane mg/m^3	Trichloro-ethene mg/m^3	Vinyl Chloride mg/m^3
VW-139	Sep/Oct 2009	5	2.23	0.049	0.0086	ND(0.007)	ND(0.0051)	ND(0.0045)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.016)	ND(0.048)	ND(0.018)	0.14	ND(0.0046)	ND(0.0039)	ND(0.0076)	ND(0.0076)	ND(0.0033)	ND(0.0061)	ND(0.0061)	ND(0.006)	ND(0.0028)
		10	2.3	0.089	0.02	ND(0.0072)	ND(0.0053)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.016)	ND(0.049)	ND(0.019) UJ	0.052	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.0034)	ND(0.0063)	ND(0.0063)	ND(0.0062)	ND(0.0029)
		15	2.28	0.17	0.045	ND(0.0072)	ND(0.0052)	ND(0.0046)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.016)	ND(0.049)	ND(0.019) UJ	0.26	ND(0.0047)	ND(0.004)	ND(0.0078)	ND(0.0077)	ND(0.0034)	ND(0.0062)	ND(0.0062)	ND(0.0061)	ND(0.0029)
		20	2.16	0.17	0.046	ND(0.0068)	ND(0.005)	ND(0.0044)	ND(0.0043)	ND(0.0043)	ND(0.0043)	ND(0.016)	ND(0.046)	ND(0.018) UJ	2	ND(0.0044)	ND(0.0038)	ND(0.0074)	ND(0.0073)	ND(0.0032)	ND(0.0059)	ND(0.0059)	ND(0.0058)	ND(0.0028)
		30	2.31	0.071	0.026	ND(0.0073)	ND(0.0053)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.017)	ND(0.049)	ND(0.019) UJ	0.26	ND(0.0047)	ND(0.004)	ND(0.0079)	ND(0.0078)	ND(0.0034)	ND(0.0063)	ND(0.0063)	ND(0.0062)	ND(0.003)
		40	632	ND(30)	ND(9.3)	ND(20)	ND(14)	ND(13)	ND(12)	ND(12)	ND(12)	ND(46)	ND(130) UJ	ND(52) UJ	ND(31)	ND(13)	ND(11)	ND(22)	ND(21)	ND(9.3)	ND(17)	ND(17)	ND(17)	ND(8.1)
		40 Dup	625	ND(30)	ND(9.2)	ND(20)	ND(14)	ND(13)	ND(12)	ND(12)	ND(12)	ND(45)	ND(130) UJ	ND(51) UJ	ND(31)	ND(13)	ND(11)	ND(21)	ND(21)	ND(9.2)	ND(17)	ND(17)	ND(17)	ND(8)

NOTES:

1 - For data collected during 2005-2007 reported as "ND" additional data qualifier flags are not shown on this table. See Trihydro and GeoSyntec 2005 and Appendix A of this report for data qualifier information.

B - Constituent detected in blank sample
Dup - Blind Duplicate Sample
J – estimated concentration
mg/m^3 - milligram per cubic meter
ND - Not detected
R – Value has been rejected and should not be used for qualitative or quantitative purposes
U – Detected in blank sample, 1997-1999 results changed to non detect; subsequent results reported

US EPA ARCHIVE DOCUMENT

TABLE 2-8c. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, WATER TREATMENT RELATED AND OTHER CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Allyl Chloride mg/m^3	Benzyl chloride mg/m^3	Bromo-methane mg/m^3	Carbon Disulfide mg/m^3	Chloro-ethane mg/m^3	Chloro-methane mg/m^3	1,2-Dichloro-benzene mg/m^3	1,3-Dichloro-benzene mg/m^3	1,4-Dichloro-benzene mg/m^3	Dichloro-difluoro-methane mg/m^3	1,2-Dichloro-propane mg/m^3	cis-1,3-dichloro-propene mg/m^3	trans-1,3-Dichloro-propene mg/m^3	1,2-Dichloro-1,1,2,2-tetrafluoroethane mg/m^3	Ethanol mg/m^3	1,2,4-Trichloro-benzene mg/m^3	Trichloro-fluoromethane mg/m^3	1,1,2-Trichloro-trifluoroethane mg/m^3	Bromo-dichloro-methane mg/m^3	Bromoform mg/m^3	Chloroform mg/m^3	Dibromo-chloro-methane mg/m^3
VW-93A	Mar 2005	5	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088)	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
	Sep 2005	5	2.82	ND(0.018) J	ND(0.0073)	ND(0.0055)	0.0081	ND(0.0037)	ND(0.012)	ND(0.0085)	ND(0.0085)	ND(0.0085)	ND(0.007)	ND(0.0065)	ND(0.0064)	ND(0.0064)	ND(0.0098)	0.015	ND(0.042)	ND(0.0079)	ND(0.011)	ND(0.0094)	ND(0.014)	ND(0.0069)	ND(0.012)
	Apr 2008	5	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091)	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
	Sep 2008	5	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031)	ND(0.0096)	ND(0.007) UJ	ND(0.007)	ND(0.007) UJ	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088)	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		5 Dup	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072) UJ	ND(0.0072)	ND(0.0072) UJ	ND(0.0059)	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009)	ND(0.035)	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)
	Dec 2008	5	2.02	ND(0.013)	ND(0.0052)	ND(0.0039)	ND(0.0031)	ND(0.0027)	ND(0.0083)	ND(0.0061)	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0071)	ND(0.0076)	ND(0.03)	ND(0.0057)	ND(0.0077)	ND(0.0068)	ND(0.01)	ND(0.0049)	ND(0.0086)
	Sep/Oct 2009	5	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	ND(0.0034)	ND(0.0028)	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0053) UJ	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076)	ND(0.0081) UJ	ND(0.032) UJ	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	ND(0.0053)	ND(0.0092)
VW-93	Mar 2005	10	2.96	ND(0.018)	ND(0.0077)	ND(0.0057)	ND(0.0046)	ND(0.0039)	ND(0.012)	ND(0.0089)	ND(0.0089)	ND(0.0089)	ND(0.0073)	ND(0.0068)	ND(0.0067)	ND(0.0067)	ND(0.01)	ND(0.011)	ND(0.044)	ND(0.0083)	ND(0.011)	ND(0.0099)	ND(0.015)	ND(0.0072)	ND(0.013)
		15	2.76	ND(0.017)	ND(0.0071)	ND(0.0054)	ND(0.0043)	ND(0.0036)	ND(0.011)	ND(0.0083)	ND(0.0083)	ND(0.0083)	ND(0.0068)	ND(0.0064)	ND(0.0063)	ND(0.0063)	ND(0.0096)	ND(0.01)	ND(0.041)	ND(0.0078)	ND(0.01)	ND(0.0092)	ND(0.014)	ND(0.0067)	ND(0.012)
		20	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088)	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		20 Dup	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091)	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		25	2.69	ND(0.017)	ND(0.007)	ND(0.0052)	ND(0.0042)	ND(0.0035)	ND(0.011)	ND(0.0081)	ND(0.0081)	ND(0.0081)	ND(0.0066)	ND(0.0062)	ND(0.0061)	ND(0.0061)	ND(0.0094)	ND(0.01)	ND(0.04)	ND(0.0076)	ND(0.01)	ND(0.009)	ND(0.014)	ND(0.0066)	ND(0.011)
		30	2.53	ND(0.016)	ND(0.0065)	ND(0.0049)	ND(0.0039)	ND(0.0033)	ND(0.01)	ND(0.0076)	ND(0.0076)	ND(0.0076)	ND(0.0062)	ND(0.0058)	ND(0.0057)	ND(0.0057)	ND(0.0088)	ND(0.0095)	ND(0.038)	ND(0.0071)	ND(0.0097)	ND(0.0085)	ND(0.013)	ND(0.0062)	ND(0.011)
		35	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	ND(0.0036)	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034)	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		40	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		45	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091)	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		50	2.64	ND(0.016)	ND(0.0068)	ND(0.0051)	ND(0.0041)	ND(0.0035)	ND(0.011)	ND(0.0079)	ND(0.0079)	ND(0.0079)	ND(0.0065)	ND(0.0061)	ND(0.006)	ND(0.006)	ND(0.0092)	ND(0.0099)	ND(0.039)	ND(0.0074)	ND(0.01)	ND(0.0088)	ND(0.014)	ND(0.0064)	ND(0.011)
		55	2.58	ND(0.016)	ND(0.0067)	ND(0.005)	ND(0.004)	ND(0.0034)	ND(0.011)	ND(0.0078)	ND(0.0078)	ND(0.0078)	ND(0.0064)	ND(0.006)	ND(0.0058)	ND(0.0058)	ND(0.009)	0.067	ND(0.038)	ND(0.0072)	ND(0.0099)	ND(0.0086)	ND(0.013)	ND(0.0063)	ND(0.011)
		60	440	ND(2.8)	ND(1.1)	ND(0.85)	ND(0.68)	ND(0.58)	ND(1.8)	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(1.5)	ND(1.6)	ND(6.5)	ND(1.2)	ND(1.7)	ND(1.5)	ND(2.3)	ND(1.1)	ND(1.9)
	Sep 2005	10	2.24	ND(0.014) J	ND(0.0058)	ND(0.0043)	0.026	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	0.016	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		15	2.2	ND(0.014) J	ND(0.0057)	ND(0.0043)	0.024	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	0.0097	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		20	2.2	ND(0.014) J	ND(0.0057)	ND(0.0043)	0.009	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	0.0095	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		25	2.24	ND(0.014) J	ND(0.0058)	ND(0.0043)	0.0041	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		30	2.24	ND(0.014) J	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	0.014	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		35	2.29	ND(0.014) J	ND(0.0059)	ND(0.0044)	0.0036	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034)	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		40	2.2	ND(0.014) J	ND(0.0057)	ND(0.0043)	0.0067	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083)	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	0.0062	ND(0.0094)
		45	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083) J	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		50	2.24	ND(0.014) J	ND(0.0058)	ND(0.0043)	0.005	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	0.014	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		55	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084) J	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		60	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083) J	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
	Oct 2005	30	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029) J	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077) J	ND(0.0083)	ND(0.033) J	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		35	2.13	ND(0.013)	ND(0.0055)	ND(0.0041)	ND(0.0033)	ND(0.0028) J	ND(0.0088)	ND(0.0064)	ND(0.0064)	ND(0.0064)	ND(0.0053)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0074) J	ND(0.008)	ND(0.032) J	0.0066	ND(0.0082)	ND(0.0071)	ND(0.011)	ND(0.0052)	ND(0.0091)
		40	2.09	ND(0.013)	ND(0.0054)	ND(0.004)	ND(0.0032)	ND(0.0028) J	ND(0.0086)	ND(0.0063)	ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0073) J	ND(0.0079)	ND(0.031) J	0.0094	ND(0.008)	ND(0.007)	ND(0.011)	ND(0.0051)	ND(0.0089)
		45	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	ND(0.0034)	ND(0.0028) J	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076) J	ND(0.0081)	ND(0.032) J	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	ND(0.0053)	ND(0.0092)
		50	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029) J	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077) J	ND(0.0083)	ND(0.033) J	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		60	2.13	ND(0.013)	ND(0.0055)	ND(0.0041)	ND(0.0033)	ND(0.0028) J	ND(0.0088)	ND(0.0064)	ND(0.0064)	ND(0.0064)	ND(0.0053)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0074) J	ND(0.008)	ND(0.032) J	ND(0.006)	ND(0.0082)	ND(0.0071)	ND(0.011)	0.0071	ND(0.0091)
	Apr 2008	10	25.3	ND(0.16)	ND(0.065)	ND(0.049)	ND(0.039)	ND(0.033)	ND(0.1)	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.062)	ND(0.058)	ND(0.057)	ND(0.057)	ND(0.088)	ND(0.095)	ND(0.38)	ND(0.071)	ND(0.097)	ND(0.085)	ND(0.13)	ND(0.062)	ND(0.11)
		10 Dup	33.7	ND(0.21)	ND(0.087)	ND(0.065)	ND(0.052)	ND(0.044)	ND(0.14)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.083)	ND(0.078)	ND(0.076)	ND(0.076)	ND(0.12)	ND(0.13)	ND(0.5)	ND(0.095)	ND(0.13)	ND(0.11)	ND(0.17)	ND(0.082)	ND(0.14)
		15	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	0.014	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088)	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		20	2.58	ND(0.016)	ND(0.0067)	ND(0.005)	ND(0.004)	ND(0.0034)	ND(0.011)	ND(0.0078)	ND(0.0078)	ND(0.0078)	ND(0.0064)	ND(0.006)	ND(0.0058)	ND(0.0058)	ND(0.009)	ND(0.0097)	ND(0.038)	ND(0.0072)	ND(0.0099)	ND(0.0086)	ND(0.013) J	ND(0.0063)	ND(0.011)
		20 Dup	2.58	ND(0.016)	ND(0.0067)	ND(0.005)	ND(0.004)	ND(0.0034)	ND(0.011)	ND(0.0078)	ND(0.0078)	ND(0.0078)	ND(0.0064)	ND(0.006)	ND(0.0058)	ND(0.0058)	ND(0.009)	ND(0.0097)	ND(0.038)	ND(0.0072)	ND(0.0099)	ND(0.0086)	ND(0.013) J	ND(0.0063)	ND(0.011)
		25	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	0.0082	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088)	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		30	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091)	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		35	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	ND(0.0036)	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034)	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012) J	ND(0.0056)	ND(0.0098)
		40	2.53	ND(0.016)	ND(0.0065)	ND(0.0049)	ND(0.0039)	ND(0.0033)	ND(0.01)	ND(0.0076)	ND(0.0076)	ND(0.0076)	ND(0.0062)	ND(0.0058)	ND(0.0057)	ND(0.0057)	ND(0.0088)	ND(0.0095)	ND(0.038)	ND(0.0071)	ND(0.0097)	ND(0.0085)	ND(0.013)	ND(0.0062)	ND(0.011)
		45	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.0059)	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	0.01	ND(0.035)	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012) J	ND(0.0058)	ND(0.01)
		50	2.47	ND(0.015)	ND(0.0064)	ND(0.0048)	ND(0.0038)	ND(0.0032)	ND(0.01)	0.014	ND(0.0074)	ND(0.0074)	0.0069	ND(0.0057)	ND(0.0056)	ND(0.0056)	ND(0.0086)	0.058	ND(0.037)	ND(0.0069)	ND(0.0095)	ND(0.0083)	ND(0.013) J	ND(0.006)	ND(0.01)
		55	2.53	ND(0.016)	ND(0.0065)	ND(0.0049)	ND(0.0039)	ND(0.0033)	ND(0.01)	ND(0.0076)	ND(0.0076)	ND(0.0076)	ND(0.0062)	ND(0.0058)	ND(0.0057)	ND(0.0057)	ND(0.0088)	ND(0.0095)	ND(0.038)	ND(0.0071)	ND(0.0097)	ND(0.0085)	ND(0.013)	ND(0.0062)	ND(0.011)

US EPA ARCHIVE DOCUMENT

TABLE 2-8c. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, WATER TREATMENT RELATED AND OTHER CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Allyl Chloride mg/m^3	Benzyl chloride mg/m^3	Bromo-methane mg/m^3	Carbon Disulfide mg/m^3	Chloro-ethane mg/m^3	Chloro-methane mg/m^3	1,2-Dichloro-benzene mg/m^3	1,3-Dichloro-benzene mg/m^3	1,4-Dichloro-benzene mg/m^3	Dichloro-difluoro-methane mg/m^3	1,2-Dichloro-propane mg/m^3	cis-1,3-dichloro-propene mg/m^3	trans-1,3-Dichloro-propene mg/m^3	1,2-Dichloro-1,1,2,2-tetrafluoroethane mg/m^3	Ethanol mg/m^3	1,2,4-Trichloro-benzene mg/m^3	Trichloro-fluoromethane mg/m^3	1,1,2-Trichloro-trifluoroethane mg/m^3	Bromo-dichloro-methane mg/m^3	Bromoform mg/m^3	Chloroform mg/m^3	Dibromo-chloro-methane mg/m^3
VW-93	Sep 2008	10	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088)	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	0.0059	ND(0.0099)
		15	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	0.02	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		20	2.53	ND(0.016)	ND(0.0065)	ND(0.0049)	ND(0.0039)	ND(0.0033)	ND(0.01)	ND(0.0076)	ND(0.0076)	ND(0.0076)	ND(0.0062)	ND(0.0058)	ND(0.0057)	ND(0.0057)	ND(0.0088)	ND(0.0095)	ND(0.038)	ND(0.0071)	ND(0.0097)	ND(0.0085)	ND(0.013)	ND(0.0062)	ND(0.011)
		20 Dup	2.47	ND(0.015)	ND(0.0064)	ND(0.0048)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0074)	ND(0.0074)	ND(0.0074)	ND(0.0061)	ND(0.0057)	ND(0.0056)	ND(0.0056)	ND(0.0086)	0.0098 JB	ND(0.037)	ND(0.0069)	ND(0.0095)	ND(0.0083)	ND(0.013)	ND(0.006)	ND(0.01)
		25	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092) UJ	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		30	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.0059)	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009)	ND(0.035)	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)
		35	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	0.0094	0.034	0.056 J	ND(0.007)	ND(0.007)	ND(0.007)	0.0058 J	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088)	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		40	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	ND(0.0036)	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034)	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		45	2.47	ND(0.015)	ND(0.0064)	ND(0.0048)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0074)	ND(0.0074)	ND(0.0074)	ND(0.0061)	ND(0.0057)	ND(0.0056)	ND(0.0056)	ND(0.0086)	ND(0.0093)	ND(0.037)	ND(0.0069)	ND(0.0095)	ND(0.0083)	ND(0.013)	ND(0.006)	ND(0.01)
		50	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088)	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		55	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031)	ND(0.0096) UJ	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088)	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		60	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098) UJ	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.0059)	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009)	ND(0.035)	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)
	Dec 2008	10	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	0.0059 JB	0.0083	0.045	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076)	0.013 JB	ND(0.032)	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	0.0091	ND(0.0092)
		15	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		20	2.02	ND(0.013)	ND(0.0052)	ND(0.0039)	ND(0.0031)	ND(0.0027)	ND(0.0083)	ND(0.0061)	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0071)	ND(0.0076)	ND(0.03)	ND(0.0057)	ND(0.0077)	ND(0.0068)	ND(0.01)	ND(0.0049)	ND(0.0086)
		25	2.09	ND(0.013)	ND(0.0054)	ND(0.004)	ND(0.0032)	ND(0.0028)	ND(0.0086)	ND(0.0063)	ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0073)	ND(0.0079)	ND(0.031)	ND(0.0059)	ND(0.008)	ND(0.007)	ND(0.011)	ND(0.0051)	ND(0.0089)
		30	2.13	ND(0.013)	ND(0.0055)	ND(0.0041)	ND(0.0033)	ND(0.0028)	ND(0.0088)	ND(0.0064)	ND(0.0064)	ND(0.0064)	ND(0.0053)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0074)	ND(0.008)	ND(0.032)	ND(0.006)	ND(0.0082)	ND(0.0071)	ND(0.011)	ND(0.0052)	ND(0.0091)
		35	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	ND(0.0034)	ND(0.0028)	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	0.0055	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076)	0.01 JB	ND(0.032)	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	ND(0.0053)	ND(0.0092)
		40	2.09	ND(0.013)	ND(0.0054)	ND(0.004)	0.01 JB	ND(0.0028)	ND(0.0086)	ND(0.0063)	ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0073)	0.024 JB	ND(0.031)	ND(0.0059)	ND(0.008)	ND(0.007)	ND(0.011)	ND(0.0051)	ND(0.0089)
		45	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		50	2.13	ND(0.013)	ND(0.0055)	ND(0.0041)	ND(0.0033)	ND(0.0028)	ND(0.0088)	ND(0.0064)	ND(0.0064)	ND(0.0064)	ND(0.0053)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0074)	ND(0.008)	ND(0.032)	ND(0.006)	ND(0.0082)	ND(0.0071)	ND(0.011)	ND(0.0052)	ND(0.0091)
		55	2.02	ND(0.013)	ND(0.0052)	ND(0.0039)	ND(0.0031)	ND(0.0027)	ND(0.0083)	ND(0.0061)	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0071)	ND(0.0076)	ND(0.03)	ND(0.0057)	ND(0.0077)	ND(0.0068)	ND(0.01)	ND(0.0049)	ND(0.0086)
		55 Dup	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	ND(0.0034)	ND(0.0028)	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076)	ND(0.0081)	ND(0.032)	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	ND(0.0053)	ND(0.0092)
		60	2.09	ND(0.013)	ND(0.0054)	ND(0.004)	ND(0.0032)	ND(0.0028)	ND(0.0086)	ND(0.0063)	ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0073)	ND(0.0079)	ND(0.031)	ND(0.0059)	ND(0.008)	ND(0.007)	ND(0.011)	ND(0.0051)	ND(0.0089)
	Sep/Oct 2009	10	2.41	ND(0.015)	ND(0.0062)	ND(0.0047)	ND(0.0038) UJ	ND(0.0032)	ND(0.01)	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091) UJ	ND(0.036)	ND(0.0068)	ND(0.0092)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		15	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	ND(0.0034) UJ	ND(0.0028) UJ	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076)	ND(0.0081)	ND(0.032)	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	ND(0.0053)	ND(0.0092)
		20	2.31	ND(0.014)	ND(0.014)	ND(0.015)	ND(0.015)	ND(0.015)	ND(0.015)	ND(0.015)	ND(0.015)	ND(14)	ND(14)	ND(15)	ND(15)	ND(17)	ND(28)	ND(27)	ND(44)	ND(27)	ND(38)	ND(48)	ND(48)	ND(48)	ND(35)
		25	2.3	ND(0.014)	ND(0.006)	ND(0.0045)	0.028 J	ND(0.003) UJ	ND(0.0095)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0087)	ND(0.034)	ND(0.0065)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		30	2.41	ND(0.015)	ND(0.0062)	ND(0.0047)	0.024 J	ND(0.0032) UJ	ND(0.01)	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	0.015	ND(0.036)	ND(0.0068)	ND(0.0092)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		35	2.3	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036) UJ	ND(0.003) UJ	ND(0.0095)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0087)	ND(0.034)	ND(0.0065)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		40	2.37	ND(0.015)	ND(0.0061)	ND(0.0046)	0.01 J	ND(0.0031)	ND(0.0098)	ND(0.0071)	ND(0.0071)	ND(0.0071)	ND(0.0059)	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.0089) UJ	ND(0.035)	ND(0.0066)	ND(0.0091)	ND(0.0079)	ND(0.012)	ND(0.0058)	ND(0.01)
		45	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	0.0081 J	ND(0.0032) UJ	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091)	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		50	2.44	ND(0.015)	ND(0.0063)	ND(0.0047)	0.014 J	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0085)	0.026 J	ND(0.036)	ND(0.0068)	ND(0.0094)	ND(0.0082)	ND(0.013)	ND(0.006)	ND(0.01)
		50 Dup	2.44	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038) UJ	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0085)	0.011 J	ND(0.036)	ND(0.0068)	ND(0.0094)	ND(0.0082)	ND(0.013)	ND(0.006)	ND(0.01)
		55	2.44	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038) UJ	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0085)	ND(0.0092) UJ	ND(0.036)	ND(0.0068)	ND(0.0094)	ND(0.0082)	ND(0.013)	ND(0.006)	ND(0.01)
		60	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	0.047 J	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	0.011 J	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
VW-96A	Mar 2005	5	2.05	ND(0.013)	ND(0.0053)	ND(0.004)	0.072	ND(0.0027)	0.015 J	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0072)	0.35	ND(0.03)	ND(0.0058)	ND(0.0078)	ND(0.0069)	ND(0.01)	0.006	ND(0.0087)
	Sep 2005	5	2.96	ND(0.018) J	ND(0.0077)	ND(0.0057)	0.0081	ND(0.0039)	ND(0.012)	ND(0.0089)	ND(0.0089)	ND(0.0089)	ND(0.0073)	ND(0.0068)	ND(0.0067)	ND(0.0067)	ND(0.01)	ND(0.011)	ND(0.044)	ND(0.0083)	ND(0.011)	ND(0.0099)	ND(0.015)	ND(0.0072)	ND(0.013)
	Jun/Jul 2006	5	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088)	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
	Apr 2008	5	2.05	ND(0.013)	ND(0.0053)	ND(0.004) J	0.0077	ND(0.0027)	ND(0.0085)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0072)	ND(0.0077)	ND(0.03)	ND(0.0058)	ND(0.0078)	ND(0.0069)	ND(0.01)	ND(0.005)	ND(0.0087)
	Sep 2008	5	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	0.012 JB	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
	Dec 2008	5	7.63	ND(0.48)	ND(0.2)	ND(0.15) UJ	ND(0.12)	ND(0.1)	ND(0.32)	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.27)	ND(0.29)	ND(1.1)	ND(0.21)	ND(0.29)	ND(0.26)	ND(0.39)	ND(0.19)	ND(0.32)
	Mar 2009	5	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091)	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
	Sep/Oct 2009	5	220	ND(14)	ND(5.7)	ND(4.3)	ND(3.4)	ND(2.9)	ND(9.1)	ND(6.6)	ND(6.6)	ND(6.6)	ND(5.4)	ND(5.1)	ND(5)	ND(5)	ND(7.7)	ND(8.3)	ND(33) UJ	ND(6.2)	ND(8.4)	ND(7.4)	ND(11)	ND(5.4)	ND(9.4)

US EPA ARCHIVE DOCUMENT

TABLE 2-8c. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, WATER TREATMENT RELATED AND OTHER CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Allyl Chloride mg/m^3	Benzyl chloride mg/m^3	Bromo-methane mg/m^3	Carbon Disulfide mg/m^3	Chloro-ethane mg/m^3	Chloro-methane mg/m^3	1,2-Dichloro-benzene mg/m^3	1,3-Dichloro-benzene mg/m^3	1,4-Dichloro-benzene mg/m^3	Dichloro-difluoro-methane mg/m^3	1,2-Dichloro-propane mg/m^3	cis-1,3-dichloro-propene mg/m^3	trans-1,3-Dichloro-propene mg/m^3	1,2-Dichloro-1,1,2,2-tetrafluoroethane mg/m^3	Ethanol mg/m^3	1,2,4-Trichloro-benzene mg/m^3	Trichloro-fluoromethane mg/m^3	1,1,2-Trichloro-trifluoroethane mg/m^3	Bromo-dichloro-methane mg/m^3	Bromoform mg/m^3	Chloroform mg/m^3	Dibromo-chloro-methane mg/m^3
VW-96	Mar 2005	10	2.13	ND(0.013)	ND(0.0055)	ND(0.0041)	ND(0.0033)	ND(0.0028)	ND(0.0088)	ND(0.0064)	ND(0.0064)	ND(0.0064)	ND(0.0053)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0074)	ND(0.008)	ND(0.032)	ND(0.006)	ND(0.0082)	ND(0.0071)	ND(0.011)	ND(0.0052)	ND(0.0091)
		15	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	ND(0.0034)	ND(0.0028)	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076)	ND(0.0081)	ND(0.032)	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	ND(0.0053)	ND(0.0092)
		20	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.0059)	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009)	ND(0.035)	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)
		25	2.13	ND(0.013)	ND(0.0055)	ND(0.0041)	ND(0.0033)	ND(0.0028)	ND(0.0088)	ND(0.0064)	ND(0.0064)	ND(0.0064)	ND(0.0053)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0074)	ND(0.008)	ND(0.032)	ND(0.006)	ND(0.0082)	ND(0.0071)	ND(0.011)	ND(0.0052)	ND(0.0091)
		30	1.75	ND(0.011)	ND(0.0045)	ND(0.0034)	ND(0.0027)	ND(0.0023)	ND(0.0072)	ND(0.0053)	ND(0.0053)	ND(0.0053)	ND(0.0043)	ND(0.004)	ND(0.004)	ND(0.004)	ND(0.0061)	ND(0.0066) J	ND(0.026)	ND(0.0049)	ND(0.0067)	ND(0.0059)	ND(0.009)	ND(0.0043)	ND(0.0074)
		35	1.79	ND(0.011) R	ND(0.0046) R	ND(0.0035) R	0.031 R	ND(0.0024) R	ND(0.0074) R	ND(0.0054) R	ND(0.0054) R	ND(0.0054) R	0.0051 R	ND(0.0041) R	ND(0.0041) R	ND(0.0041) R	ND(0.0062) R	0.013 R	ND(0.026) R	ND(0.005) R	ND(0.0068) R	ND(0.006) R	ND(0.0092) R	ND(0.0044) R	ND(0.0076) R
		40	1.58	ND(0.0099)	ND(0.0041)	ND(0.0031)	ND(0.0025)	ND(0.0021)	ND(0.0065)	ND(0.0047)	ND(0.0048)	ND(0.0048)	ND(0.0039)	ND(0.0036)	ND(0.0036)	ND(0.0036)	ND(0.0055)	ND(0.006) J	ND(0.023)	ND(0.0044)	ND(0.006)	ND(0.0053)	ND(0.0082)	ND(0.0038)	ND(0.0067)
		45	1.55	ND(0.0097)	ND(0.004)	ND(0.003)	ND(0.0024)	ND(0.002)	ND(0.0064)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.0038)	ND(0.0036)	ND(0.0035)	ND(0.0035)	ND(0.0054)	ND(0.0058) J	ND(0.023)	ND(0.0044)	ND(0.0059)	ND(0.0052)	ND(0.008)	ND(0.0038)	ND(0.0066)
		50	336	ND(2.1)	ND(0.87)	ND(0.65)	ND(0.52)	ND(0.44)	ND(1.4)	ND(1)	ND(1)	ND(1)	ND(0.83)	ND(0.78)	ND(0.76)	ND(0.76)	ND(1.2)	ND(1.3) J	ND(5)	ND(0.94)	ND(1.3)	ND(1.1)	ND(1.7)	ND(0.82)	ND(1.4)
		50 Dup	164	ND(1)	ND(0.42)	ND(0.32)	ND(0.26)	ND(0.22)	ND(0.68)	ND(0.49)	ND(0.49)	ND(0.49)	ND(0.4)	ND(0.38)	ND(0.37)	ND(0.37)	ND(0.57)	ND(0.62) J	ND(2.4)	ND(0.46)	ND(0.63)	ND(0.55)	ND(0.85)	ND(0.4)	ND(0.7)
		55	328	ND(2)	ND(0.85)	ND(0.64)	ND(0.51)	ND(0.43)	ND(1.4)	ND(0.99)	ND(0.99)	ND(0.99)	ND(0.81)	ND(0.76)	ND(0.74)	ND(0.74)	ND(1.1)	ND(1.2)	ND(4.9)	ND(0.92)	ND(1.2)	ND(1.1)	ND(1.7)	ND(0.8)	ND(1.4)
	May 2005	30	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083)	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		35	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	0.0064	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	0.23 DX	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		35 Dup	22.9	ND(0.14)	ND(0.059)	ND(0.044)	ND(0.036)	ND(0.03)	ND(0.094)	ND(0.069)	ND(0.069)	ND(0.069)	ND(0.057)	ND(0.053)	ND(0.052)	ND(0.052)	ND(0.08)	ND(0.086)	ND(0.34)	ND(0.064)	ND(0.088)	ND(0.077)	ND(0.12)	ND(0.056)	ND(0.098)
		55	44.8	ND(0.28)	ND(0.12)	ND(0.087)	ND(0.07)	ND(0.059)	ND(0.18)	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.11)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.16)	ND(0.17)	ND(0.66)	ND(0.12)	ND(0.17)	ND(0.15)	ND(0.23)	ND(0.11)	ND(0.19)
	Sep 2005	10	2.09	ND(0.013) J	ND(0.0054)	ND(0.004)	0.02	ND(0.0028)	ND(0.0086)	ND(0.0063)	ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0073)	ND(0.0079)	ND(0.031)	ND(0.0059)	ND(0.008)	ND(0.007)	ND(0.011)	ND(0.0051)	ND(0.0089)
		15	2.24	ND(0.014) J	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		20	2.24	ND(0.014) J	ND(0.0058)	ND(0.0043)	0.0038	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	0.0061	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		25	2.29	ND(0.014) J	ND(0.0059)	ND(0.0044)	0.0078	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034)	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		30	2.24	ND(0.014) J	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	0.014	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		35	2.42	ND(0.015) J	ND(0.0063)	ND(0.0047)	0.0083	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091)	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		40	45.8	ND(0.29) J	ND(0.12)	ND(0.089)	ND(0.071)	ND(0.06)	ND(0.19)	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.11)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.16)	ND(0.17)	ND(0.68)	ND(0.13)	ND(0.18)	ND(0.15)	ND(0.24)	ND(0.11)	ND(0.2)
		45	93.2	ND(0.58) J	ND(0.24)	ND(0.18)	ND(0.14)	ND(0.12)	ND(0.38)	ND(0.28)	ND(0.28)	ND(0.28)	ND(0.23)	ND(0.22)	ND(0.21)	ND(0.21)	ND(0.32)	ND(0.35)	ND(1.4)	ND(0.26)	ND(0.36)	ND(0.31)	ND(0.48)	ND(0.23)	ND(0.4)
		50	572	ND(3.6) J	ND(1.5)	ND(1.1)	ND(0.89)	ND(0.75)	ND(2.4)	ND(1.7)	ND(1.7)	ND(1.7)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.3)	ND(2)	ND(2.2)	ND(8.5)	ND(1.6)	ND(2.2)	ND(1.9)	ND(3)	ND(1.4)	ND(2.4)
		55	1120	ND(7)	ND(2.9)	ND(2.2)	ND(1.7)	ND(1.5)	ND(4.6)	ND(3.4)	ND(3.4)	ND(3.4)	ND(2.8)	ND(2.6)	ND(2.5)	ND(2.5)	ND(3.9)	ND(4.2)	ND(17)	ND(3.1)	ND(4.3)	ND(3.8)	ND(5.8)	ND(2.7)	ND(4.8)
		55 Dup	1470	ND(9.2)	ND(3.8)	ND(2.8)	ND(2.3)	ND(1.9)	ND(6.1)	ND(4.4)	ND(4.4)	ND(4.4)	ND(3.6)	ND(3.4)	ND(3.3)	ND(3.3)	ND(5.1)	ND(5.5)	ND(22)	ND(4.1)	ND(5.6)	ND(4.9)	ND(7.6)	ND(3.6)	ND(6.3)
		60	3730	ND(23)	ND(9.6)	ND(7.2)	24	ND(4.9)	ND(15)	ND(11)	ND(11)	ND(11)	ND(9.2)	ND(8.6)	ND(8.5)	ND(8.5)	ND(13)	ND(14)	ND(55)	ND(10)	ND(14)	ND(12)	ND(19)	ND(9.1)	ND(16)
	Oct 2005	20	2.05	ND(0.013)	ND(0.0053)	ND(0.004)	0.0047	ND(0.0027) J	ND(0.0085)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0072) J	ND(0.0077)	ND(0.03)	ND(0.0058)	ND(0.0078)	ND(0.0069)	ND(0.01)	ND(0.005)	ND(0.0087)
		25	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031) J	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.0059)	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083) J	ND(0.009)	ND(0.035)	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)
		30	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003) J	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078) J	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		35	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	ND(0.0034)	ND(0.0028) J	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076) J	ND(0.0081)	ND(0.032)	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	ND(0.0053)	ND(0.0092)
		40	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	ND(0.0034)	ND(0.0028) J	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076) J	ND(0.0081)	ND(0.032)	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	0.0089	ND(0.0092)
		50	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031) J	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081) J	ND(0.0088)	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	0.02	ND(0.0099)
		50 Dup	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031) J	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081) J	ND(0.0088)	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	0.02	ND(0.0099)
		60	2330	ND(14) J	ND(6) J	ND(4.5) J	16	ND(3.1) J	ND(9.6) J	ND(7) J	ND(7) J	ND(7) J	ND(5.8) J	ND(5.4) J	ND(5.3) J	ND(5.3) J	ND(8.1) J	ND(8.8) J	ND(34) J	ND(6.5) J	ND(8.9) J	ND(7.8) J	ND(12) J	ND(5.7) J	ND(9.9) J
	Jun/Jul 2006	10	2.53	ND(0.016)	ND(0.0065)	ND(0.0049)	ND(0.0039)	ND(0.0033)	ND(0.01)	ND(0.0076)	ND(0.0076)	ND(0.0076)	ND(0.0062)	ND(0.0058)	ND(0.0057)	ND(0.0057)	ND(0.0088)	ND(0.0095)	ND(0.038)	ND(0.0071)	ND(0.0097)	ND(0.0085)	ND(0.013)	ND(0.0062)	ND(0.011)
		20	52.8	ND(0.33) J	ND(0.14) J	ND(0.1) J	ND(0.082) J	ND(0.07) J	ND(0.22) J	ND(0.16) J	ND(0.16) J	ND(0.16) J	ND(0.13) J	ND(0.12) J	ND(0.12) J	ND(0.12) J	ND(0.18) J	ND(0.2) J	ND(0.78) J	ND(0.15) J	ND(0.2) J	ND(0.18) J	ND(0.27) J	ND(0.13) J	ND(0.22) J
		30	672	ND(4.2) J	ND(1.7) J	ND(1.3) J	ND(1) J	ND(0.89) J	ND(2.8) J	ND(2) J	ND(2) J	ND(2) J	ND(1.7) J	ND(1.6) J	ND(1.5) J	ND(1.5) J	ND(2.3) J	ND(2.5) J	ND(10) J	ND(1.9) J	ND(2.6) J	ND(2.2) J	ND(3.5) J	ND(1.6) J	ND(2.9) J
		40	826	ND(5.2) J	ND(2.1) J	ND(1.6) J	ND(1.3) J	ND(1.1) J	ND(3.4) J	ND(2.5) J	ND(2.5) J	ND(2.5) J	ND(2) J	ND(1.9) J	ND(1.9) J	ND(1.9) J	ND(2.9) J	ND(3.1) J	ND(12) J	ND(2.3) J	ND(3.2) J	ND(2.8) J	ND(4.3) J	ND(2) J	ND(3.5) J
		50	2640	ND(16) J	ND(6.8) J	ND(5.1) J	ND(4.1) J	ND(3.5) J	ND(11) J	ND(7.9) J	ND(7.9) J	ND(7.9) J	ND(6.5) J	ND(6.1) J	ND(6) J	ND(6) J	ND(9.2) J	ND(9.9) J	ND(39) J	ND(7.4) J	ND(10) J	ND(8.8) J	ND(14) J	ND(6.4) J	ND(11) J
		55	3030	ND(19) J	ND(7.8) J	ND(5.9) J	ND(4.7) J	ND(4) J	ND(12) J	ND(9.1) J	ND(9.1) J	ND(9.1) J	ND(7.5) J	ND(7) J	ND(6.9) J	ND(6.9) J	ND(10) J	ND(11) J	ND(45) J	ND(8.5) J	ND(12) J	ND(10) J	ND(16) J	ND(7.4) J	ND(13) J
	Apr 2008	10	2.64	ND(0.016)	ND(0.0068)	ND(0.0051) J	0.025	ND(0.0035)	ND(0.011)	ND(0.0079)	ND(0.0079)	ND(0.0079)	ND(0.0065)	ND(0.0061)	ND(0.006)	ND(0.006)	ND(0.0092)	ND(0.0099)	ND(0.039)	ND(0.0074)	ND(0.01)	ND(0.0088)	ND(0.014)	ND(0.0064)	ND(0.011)
		20	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	0.0056	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091)	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		25	2.09	ND(0.013)	ND(0.0054)	ND(0.004)	ND(0.0032)	ND(0.0028)	ND(0.0086)	ND(0.0063)	ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0073)	ND(0.0079)	ND(0.031)	ND(0.0059)	ND(0.008)	ND(0.007)	ND(0.011)	ND(0.0051)	ND(0.0089)
		30	2.02	ND(0.013)	ND(0.0052)	ND(0.0039)	ND(0.0031)	ND(0.0027)	ND(0.0083)	ND(0.0061)	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0071)	ND(0.0076)	ND(0.03)	ND(0.0057)	ND(0.0077)	ND(0.0068)	ND(0.01)	ND(0.0049)	ND(0.0086)
		35	2.47	ND(0.015)	ND(0.0064)	ND(0.0048)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0074)	ND(0.0074)	ND(0.0074)	ND(0.0061)	ND(0.0057)	ND(0.0056)	ND(0.0056)	ND(0.0086)	ND(0.0093)	ND(0.037)	ND(0.0069)	ND(0.0095)	ND(0.0083)	ND(0.013) J	ND(0.006)	ND(0.01)
		40	2.16	ND(0.014)	ND(0.0056)	ND(0.0042) J	ND(0.0034)	ND(0.0028)	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076)	ND(0.0081)	ND(0.032)	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	ND(0.0053)	ND(0.0092)
		45	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	ND(0.0036)	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034)	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012) J	ND(0.0056)	ND(0.0098)
		50	2.64	ND(0.016)	ND(0.0068)	ND(0.0051)	ND(0.0041)	ND(0.0035)	ND(0.011)	ND(0.0079)	ND(0.0079)	ND(0.0079)	ND(0.0065)	ND(0.0061)	ND(0.006)	ND(0.006)	ND(0.0092)	ND(0.0099)	ND(0.039)	ND(0.0074)	ND(0.01)	ND(0.0088)	ND(0.014) J	0.072	ND(0.011)
		55	129	ND(0.81)	ND(0.33)	ND(0.25)	ND(0.2)	ND(0.17)	ND(0.53)	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.32)	ND(0.3)	ND(0.29)	ND(0.29)	ND(0.45)	ND(0.49)	ND(1.9)	ND(0.36)	ND(0.49)	ND(0.43)	ND(0.67)	ND(0.31)	ND(0.55)

US EPA ARCHIVE DOCUMENT

TABLE 2-8c. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, WATER TREATMENT RELATED AND OTHER CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Allyl Chloride mg/m^3	Benzyl chloride mg/m^3	Bromo-methane mg/m^3	Carbon Disulfide mg/m^3	Chloro-ethane mg/m^3	Chloro-methane mg/m^3	1,2-Dichloro-benzene mg/m^3	1,3-Dichloro-benzene mg/m^3	1,4-Dichloro-benzene mg/m^3	Dichloro-difluoro-methane mg/m^3	1,2-Dichloro-propane mg/m^3	cis-1,3-dichloro-propene mg/m^3	trans-1,3-Dichloro-propene mg/m^3	1,2-Dichloro-1,1,2,2-tetrafluoroethane mg/m^3	Ethanol mg/m^3	1,2,4-Trichloro-benzene mg/m^3	Trichloro-fluoromethane mg/m^3	1,1,2-Trichloro-trifluoroethane mg/m^3	Bromo-dichloro-methane mg/m^3	Bromoform mg/m^3	Chloroform mg/m^3	Dibromo-chloro-methane mg/m^3
VW-96	Sep 2008	10	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	ND(0.0036)	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034)	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		15	2.58	ND(0.016)	ND(0.0067)	ND(0.005)	ND(0.004)	ND(0.0034)	ND(0.011)	ND(0.0078)	ND(0.0078)	ND(0.0078)	ND(0.0064)	ND(0.006)	ND(0.0058)	ND(0.0058)	ND(0.009)	ND(0.0097)	ND(0.038)	ND(0.0072)	ND(0.0099)	ND(0.0086)	ND(0.013)	ND(0.0063)	ND(0.011)
		20	2.47	ND(0.015)	ND(0.0064)	ND(0.0048)	ND(0.0038)	ND(0.0032)	ND(0.01)	0.24	ND(0.0074)	ND(0.0074)	ND(0.0061)	ND(0.0057)	ND(0.0056)	ND(0.0056)	ND(0.0086)	ND(0.0093)	0.097	ND(0.0069)	ND(0.0095)	ND(0.0083)	ND(0.013)	ND(0.006)	ND(0.01)
		25	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0073) UJ	ND(0.0073)	ND(0.0073) UJ	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091)	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		30	2.53	ND(0.016)	ND(0.0065)	ND(0.0049)	ND(0.0039)	ND(0.0033)	ND(0.01)	ND(0.0076) UJ	ND(0.0076)	ND(0.0076) UJ	ND(0.0062)	ND(0.0058)	ND(0.0057)	ND(0.0057)	ND(0.0088)	ND(0.0095)	ND(0.038)	ND(0.0071)	ND(0.0097)	ND(0.0085)	ND(0.013)	ND(0.0062)	ND(0.011)
		35	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072) UJ	ND(0.0072)	ND(0.0072) UJ	ND(0.0059)	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009)	ND(0.035)	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)
		40	2.47	ND(0.015)	ND(0.0064)	ND(0.0048)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0074) UJ	ND(0.0074)	ND(0.0074) UJ	ND(0.0061)	ND(0.0057)	ND(0.0056)	ND(0.0056)	ND(0.0086)	ND(0.0093)	ND(0.037)	ND(0.0069)	ND(0.0095)	ND(0.0083)	ND(0.013)	ND(0.006)	ND(0.01)
		45	2.58	ND(0.016)	ND(0.0067)	ND(0.005)	ND(0.004)	ND(0.0034)	ND(0.011)	ND(0.0078) UJ	ND(0.0078)	ND(0.0078) UJ	ND(0.0064)	ND(0.006)	ND(0.0058)	ND(0.0058)	ND(0.009)	ND(0.0097)	ND(0.038)	ND(0.0072)	ND(0.0099)	ND(0.0086)	ND(0.013)	ND(0.0063)	ND(0.011)
		50	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072) UJ	ND(0.0072)	ND(0.0072) UJ	ND(0.0059)	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009)	ND(0.035)	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	0.071	ND(0.01)
		55	84.3	ND(5.3)	ND(2.2)	ND(1.6)	ND(1.3)	ND(1.1)	ND(3.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.1)	ND(1.9)	ND(1.9)	ND(1.9)	ND(2.9)	ND(3.2)	ND(12)	ND(2.4)	ND(3.2)	ND(2.8)	ND(4.4)	ND(2)	ND(3.6)
		60	2.42	ND(15)	ND(6.3)	ND(4.7)	ND(3.8)	ND(3.2)	ND(10)	ND(7.3)	ND(7.3)	ND(7.3)	ND(6)	ND(5.6)	ND(5.5)	ND(5.5)	ND(8.4)	ND(9.1)	ND(36)	ND(6.8)	ND(9.3)	ND(8.1)	ND(12)	ND(5.9)	ND(10)
	Dec 2008	10	5.6	ND(0.35)	ND(0.14)	ND(0.11) UJ	ND(0.087)	ND(0.074)	ND(0.23)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.14)	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.2)	ND(0.21)	ND(0.83)	ND(0.16)	ND(0.21)	ND(0.19)	ND(0.29)	ND(0.14)	ND(0.24)
		15	7.77	ND(0.49)	ND(0.2)	ND(0.15) UJ	ND(0.12)	ND(0.1)	ND(0.32)	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.27)	ND(0.29)	ND(1.2)	ND(0.22)	ND(0.3)	ND(0.26)	ND(0.4)	ND(0.19)	ND(0.33)
		20	7.47	ND(0.47)	ND(0.19)	ND(0.14) UJ	ND(0.12)	ND(0.098)	ND(0.31)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.26)	ND(0.28)	ND(1.1)	ND(0.21)	ND(0.29)	ND(0.25)	ND(0.39)	ND(0.18)	ND(0.32)
		25	8.2	ND(0.51)	ND(0.21)	ND(0.16)	ND(0.13)	ND(0.11)	ND(0.34)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.2)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.29)	ND(0.31)	ND(1.2)	ND(0.23)	ND(0.31)	ND(0.27)	ND(0.42)	ND(0.2)	ND(0.35)
		30	17.4	ND(1.1)	ND(0.45)	ND(0.34) UJ	ND(0.27)	ND(0.23)	ND(0.72)	ND(0.52)	ND(0.52)	ND(0.52)	ND(0.43)	ND(0.4)	ND(0.39)	ND(0.39)	ND(0.61)	ND(0.66)	ND(2.6)	ND(0.49)	ND(0.67)	ND(0.58)	ND(0.9)	ND(0.42)	ND(0.74)
		35	18.3	ND(1.1)	ND(0.47)	ND(0.36)	ND(0.28)	ND(0.24)	ND(0.76)	ND(0.55)	ND(0.55)	ND(0.55)	ND(0.45)	ND(0.42)	ND(0.42)	ND(0.42)	ND(0.64)	ND(0.69)	ND(2.7)	ND(0.51)	ND(0.7)	ND(0.61)	ND(0.94)	ND(0.45)	ND(0.78)
		40	23.3	ND(1.4)	ND(0.6)	ND(0.45) UJ	ND(0.36)	ND(0.31)	ND(0.96)	ND(0.7)	ND(0.7)	ND(0.7)	ND(0.58)	ND(0.54)	ND(0.53)	ND(0.53)	ND(0.81)	ND(0.88)	ND(3.4)	ND(0.65)	ND(0.89)	ND(0.78)	ND(1.2)	ND(0.57)	ND(0.99)
		45	34.6	ND(2.2)	ND(0.9)	ND(0.67)	ND(0.54)	ND(0.46)	ND(1.4)	ND(1)	ND(1)	ND(1)	ND(0.86)	ND(0.8)	ND(0.78)	ND(0.78)	ND(1.2)	ND(1.3)	ND(5.1)	ND(0.97)	ND(1.3)	ND(1.2)	ND(1.8)	ND(0.84)	ND(1.5)
		50	106	ND(6.6)	ND(2.7)	ND(2) UJ	ND(1.6)	ND(1.4)	ND(4.4)	ND(3.2)	ND(3.2)	ND(3.2)	ND(2.6)	ND(2.4)	ND(2.4)	ND(2.4)	ND(3.7)	ND(4)	ND(16)	ND(3)	ND(4.1)	ND(3.6)	ND(5.5)	ND(2.6)	ND(4.5)
		50 Dup	108	ND(6.8)	ND(2.8)	ND(2.1) UJ	ND(1.7)	ND(1.4)	ND(4.5)	ND(3.2)	ND(3.2)	ND(3.2)	ND(2.7)	ND(2.5)	ND(2.4)	ND(2.4)	ND(3.8)	ND(4.1)	ND(16)	ND(3)	ND(4.1)	ND(3.6)	ND(5.6)	ND(2.6)	ND(4.6)
		55	104	ND(6.5)	ND(2.7)	ND(2)	ND(1.6)	ND(1.4)	ND(4.3)	ND(3.1)	ND(3.1)	ND(3.1)	ND(2.6)	ND(2.4)	ND(2.4)	ND(2.4)	ND(3.6)	ND(3.9)	ND(15)	ND(2.9)	ND(4)	ND(3.5)	ND(5.4)	ND(2.5)	ND(4.4)
		60	220	ND(14)	ND(5.7)	ND(4.3)	ND(3.4)	ND(2.9)	ND(9.1)	ND(6.6)	ND(6.6)	ND(6.6)	ND(5.4)	ND(5.1)	ND(5)	ND(5)	ND(7.7)	ND(8.3)	ND(33)	ND(6.2)	ND(8.4)	ND(7.4)	ND(11)	ND(5.4)	ND(9.4)
	Mar 2009	10 Dup	21	ND(1.3)	ND(0.54)	ND(0.41)	ND(0.33)	ND(0.28)	ND(0.87)	ND(0.63)	ND(0.63)	ND(0.63)	ND(0.52)	ND(0.48)	ND(0.48)	ND(0.48)	ND(0.73)	ND(0.79)	ND(3.1)	ND(0.59)	ND(0.8)	ND(0.7)	ND(1.1)	ND(0.51)	ND(0.89)
		10	25.2	ND(1.6)	ND(0.65)	ND(0.49)	ND(0.39)	ND(0.33)	ND(1)	ND(0.76)	ND(0.76)	ND(0.76)	ND(0.62)	ND(0.58)	ND(0.57)	ND(0.57)	ND(0.88)	ND(0.95)	ND(3.7)	ND(0.71)	ND(0.96)	ND(0.84)	ND(1.3)	ND(0.62)	ND(1.1)
		15	7.62	ND(0.48)	ND(0.2)	ND(0.15)	ND(0.12)	ND(0.1)	ND(0.32)	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.19)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.27)	ND(0.29)	ND(1.1)	ND(0.21)	ND(0.29)	ND(0.26)	ND(0.39)	ND(0.19)	ND(0.32)
		20	2.64	ND(0.16)	ND(0.068)	ND(0.051)	ND(0.041)	ND(0.035)	ND(0.11)	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.065)	ND(0.061)	ND(0.06)	ND(0.06)	ND(0.092)	ND(0.099)	ND(0.39)	ND(0.074)	ND(0.1)	ND(0.088)	ND(0.14)	ND(0.064)	ND(0.11)
		25	24.2	ND(1.5)	ND(0.63)	ND(0.47)	ND(0.38)	ND(0.32)	ND(1)	ND(0.73)	ND(0.73)	ND(0.73)	ND(0.6)	ND(0.56)	ND(0.55)	ND(0.55)	ND(0.84)	ND(0.91)	ND(3.6)	ND(0.68)	ND(0.93)	ND(0.81)	ND(1.2)	ND(0.59)	ND(1)
		30	48.4	ND(3)	ND(1.2)	ND(0.94)	ND(0.75)	ND(0.64)	ND(2)	ND(1.4)	ND(1.4)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.7)	ND(1.8)	ND(7.2)	ND(1.4)	ND(1.8)	ND(1.6)	ND(2.5)	ND(1.2)	ND(2.1)
		35	86.2	ND(5.4)	ND(2.2)	ND(1.7)	ND(1.3)	ND(1.1)	ND(3.6)	ND(2.6)	ND(2.6)	ND(2.6)	ND(2.1)	ND(2)	ND(2)	ND(2)	ND(3)	ND(3.2)	ND(13)	ND(2.4)	ND(3.3)	ND(2.9)	ND(4.4)	ND(2.1)	ND(3.7)
		40	44	ND(2.8)	ND(1.1)	ND(0.85)	ND(0.68)	ND(0.58)	ND(1.8)	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(1.5)	ND(1.6)	ND(6.5)	ND(1.2)	ND(1.7)	ND(1.5)	ND(2.3)	1.2	ND(1.9)
		45	74.7	ND(4.7)	ND(1.9)	ND(1.4)	ND(1.2)	ND(0.98)	ND(3.1)	ND(2.2)	ND(2.2)	ND(2.2)	ND(1.8)	ND(1.7)	ND(1.7)	ND(1.7)	ND(2.6)	ND(2.8)	ND(11)	ND(2.1)	ND(2.9)	ND(2.5)	ND(3.9)	ND(1.8)	ND(3.2)
		50	77.7	ND(4.9)	ND(2)	ND(1.5)	ND(1.2)	ND(1)	ND(3.2)	ND(2.3)	ND(2.3)	ND(2.3)	ND(1.9)	ND(1.8)	ND(1.8)	ND(1.8)	ND(2.7)	ND(2.9)	ND(12)	ND(2.2)	ND(3)	ND(2.6)	ND(4)	ND(1.9)	ND(3.3)
		55	92	ND(5.8)	ND(2.4)	ND(1.8)	ND(1.4)	ND(1.2)	ND(3.8)	ND(2.8)	ND(2.8)	ND(2.8)	ND(2.3)	ND(2.1)	ND(2.1)	ND(2.1)	ND(3.2)	ND(3.5)	ND(14)	ND(2.6)	ND(3.5)	ND(3.1)	ND(4.8)	ND(2.2)	ND(3.9)
	Sep/Oct 2009	10	229	ND(14)	ND(5.9)	ND(4.4)	ND(3.6)	ND(3)	ND(9.4)	ND(6.9)	ND(6.9)	ND(6.9)	ND(5.7)	ND(5.3)	ND(5.2)	ND(5.2)	ND(8)	ND(8.6)	ND(34) UJ	ND(6.4)	ND(8.8)	ND(7.7)	ND(12)	ND(5.6)	ND(9.8)
		15	242	ND(15)	ND(6.3)	ND(4.7)	ND(3.8)	ND(3.2)	ND(10)	ND(7.3)	ND(7.3)	ND(7.3)	ND(6)	ND(5.6)	ND(5.5)	ND(5.5)	ND(8.4)	ND(9.1)	ND(36) UJ	ND(6.8)	ND(9.3)	ND(8.1)	ND(12)	ND(5.9)	ND(10)
		20	238	ND(15)	ND(6.2)	ND(4.6)	ND(3.7)	ND(3.1)	ND(9.8)	ND(7.2)	ND(7.2)	ND(7.2)	ND(5.9)	ND(5.5)	ND(5.4)	ND(5.4)	ND(8.3)	ND(9)	ND(35) UJ	ND(6.7)	ND(9.1)	ND(8)	ND(12)	ND(5.8)	ND(10)
		25	276	ND(17)	ND(7.1)	ND(5.4)	ND(4.3)	ND(3.6)	ND(11)	ND(8.3)	ND(8.3)	ND(8.3)	ND(6.8)	ND(6.4)	ND(6.3)	ND(6.3)	ND(9.6)	ND(10)	ND(41) UJ	ND(7.8)	ND(10)	ND(9.2)	ND(14)	ND(6.7)	ND(12)
		30	448	ND(28)	ND(12)	ND(8.7)	ND(7)	ND(5.9)	ND(18)	ND(13)	ND(13)	ND(13)	ND(11)	ND(10)	ND(10)	ND(10)	ND(16)	ND(17)	ND(66) UJ	ND(12)	ND(17)	ND(15)	ND(23)	ND(11)	ND(19)
		35	432	ND(27)	ND(11)	ND(8.4)	ND(6.7)	ND(5.7)	ND(18)	ND(13)	ND(13)	ND(13)	ND(11)	ND(10)	ND(9.8)	ND(9.8)	ND(15)	ND(16)	ND(64) UJ	ND(12)	ND(16)	ND(14)	ND(22)	ND(10)	ND(18)
		35 Dup	432	ND(27)	ND(11)	ND(8.4)	ND(6.7)	ND(5.7)	ND(18)	ND(13)	ND(13)	ND(13)	ND(11)	ND(10)	ND(9.8)	ND(9.8)	ND(15)	ND(16)	ND(64) UJ	ND(12)	ND(16)	ND(14)	ND(22)	ND(10)	ND(18)
		40	710	ND(44)	ND(18)	ND(14)	ND(11)	ND(9.4)	ND(29)	ND(21)	ND(21)	ND(21)	ND(18)	ND(16)	ND(16)	ND(16)	ND(25)	ND(27)	ND(100) UJ	ND(20)	ND(27)	ND(24)	ND(37)	ND(17)	ND(30)
		45	611	ND(38)	ND(16)	ND(12)	ND(9.5)	ND(8.1)	ND(25)	ND(18)	ND(18)	ND(18)	ND(15)	ND(14)	ND(14)	ND(14)	ND(21)	ND(23)	ND(91) UJ	ND(17)	ND(23)	ND(20)	ND(32)	ND(15)	ND(26)
		50	763	ND(48)	ND(20)	ND(15)	ND(12)	ND(10)	ND(32)	ND(23)	ND(23)	ND(23)	ND(19) UJ	ND(18)	ND(17)	ND(17)	ND(27)	ND(29) UJ	ND(110) UJ	ND(21)	ND(29)	ND(26)	ND(39)	ND(19)	ND(32)
		55	763	ND(48)	ND(20)	ND(15)	ND(12)	ND(10)	ND(32)	ND(23)	ND(23)	ND(23)	ND(19) UJ	ND(18)	ND(17)	ND(17)	ND(27)	ND(29) UJ	ND(110) UJ	ND(21)	ND(29)	ND(26)	ND(39)	ND(19)	ND(32)
		60	763	ND(48)	ND(20)	ND(15)	ND(12)	ND(10)	ND(32)	ND(23)	ND(23)	ND(23)	ND(19) UJ	ND(18)	ND(17)	ND(17)	ND(27)	ND(29) UJ	ND(110) UJ	ND(21)	ND(29)	ND(26)	ND(39)	ND(19)	ND(32)

US EPA ARCHIVE DOCUMENT

TABLE 2-8c. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, WATER TREATMENT RELATED AND OTHER CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Allyl Chloride mg/m^3	Benzyl chloride mg/m^3	Bromo-methane mg/m^3	Carbon Disulfide mg/m^3	Chloro-ethane mg/m^3	Chloro-methane mg/m^3	1,2-Dichloro-benzene mg/m^3	1,3-Dichloro-benzene mg/m^3	1,4-Dichloro-benzene mg/m^3	Dichloro-difluoro-methane mg/m^3	1,2-Dichloro-propane mg/m^3	cis-1,3-dichloro-propene mg/m^3	trans-1,3-Dichloro-propene mg/m^3	1,2-Dichloro-1,1,2,2-tetrafluoroethane mg/m^3	Ethanol mg/m^3	1,2,4-Trichloro-benzene mg/m^3	Trichloro-fluoromethane mg/m^3	1,1,2-Trichloro-trifluoroethane mg/m^3	Bromo-dichloro-methane mg/m^3	Bromoform mg/m^3	Chloroform mg/m^3	Dibromo-chloro-methane mg/m^3
VW-99A	Mar 2005	5	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083)	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		10	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	ND(0.0036)	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034)	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
	Apr 2008	5	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091) J	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		5 Dup	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	0.0058	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	0.022 J	ND(0.035)	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)
		10	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	0.0043	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.0059)	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009)	ND(0.035)	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)
	Sep 2008	5	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083) UJ	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011) UJ	ND(0.0054)	ND(0.0094) UJ
		10	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083) UJ	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011) UJ	ND(0.0054)	ND(0.0094) UJ
	Dec 2008	5	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083)	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
	Sep/Oct 2009	5	89.6	ND(5.6)	ND(2.3)	ND(1.7)	ND(1.4)	ND(1.2)	ND(3.7)	ND(2.7)	ND(2.7)	ND(2.7)	ND(2.2) UJ	ND(2.1)	ND(2)	ND(2)	ND(3.1)	ND(3.4) UJ	ND(13) UJ	ND(2.5)	ND(3.4)	ND(3)	ND(4.6)	ND(2.2)	ND(3.8)
VW-99	Mar 2005	10	1.55	ND(0.0097)	ND(0.004)	ND(0.003)	ND(0.0024)	ND(0.002)	ND(0.0064)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.0038)	ND(0.0036)	ND(0.0035)	ND(0.0035)	ND(0.0054)	ND(0.0058)	ND(0.023)	ND(0.0044)	ND(0.0059)	ND(0.0052)	ND(0.008)	ND(0.0038)	ND(0.0066)
		15	1.46	ND(0.0091)	ND(0.0038)	ND(0.0028)	ND(0.0023)	ND(0.0019)	ND(0.006)	ND(0.0044)	ND(0.0044)	ND(0.0044)	ND(0.0036)	ND(0.0034)	ND(0.0033)	ND(0.0033)	ND(0.0051)	ND(0.0055)	ND(0.022)	ND(0.0041)	ND(0.0056)	ND(0.0049)	ND(0.0075)	ND(0.0036)	ND(0.0062)
		20	1.55	ND(0.0097)	ND(0.004)	ND(0.003)	ND(0.0024)	ND(0.002)	ND(0.0064)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.0038)	ND(0.0036)	ND(0.0035)	ND(0.0035)	ND(0.0054)	ND(0.0058)	ND(0.023)	ND(0.0044)	ND(0.0059)	ND(0.0052)	ND(0.008)	ND(0.0038)	ND(0.0066)
		25	1.52	ND(0.0095)	ND(0.0039)	ND(0.003)	0.0031	ND(0.002)	ND(0.0063)	ND(0.0046)	ND(0.0046)	ND(0.0046)	0.004	ND(0.0035)	ND(0.0034)	ND(0.0034)	ND(0.0053)	ND(0.0057)	ND(0.022)	ND(0.0043)	ND(0.0058)	ND(0.0051)	ND(0.0078)	ND(0.0037)	ND(0.0065)
		30	1.55	ND(0.0097)	ND(0.004)	ND(0.003)	ND(0.0024)	ND(0.002)	ND(0.0064)	ND(0.0046)	ND(0.0046)	ND(0.0046)	0.007	ND(0.0036)	ND(0.0035)	ND(0.0035)	ND(0.0054)	ND(0.0058)	ND(0.023)	ND(0.0044)	ND(0.0059)	ND(0.0052)	ND(0.008)	ND(0.0038)	ND(0.0066)
		35	1.61	ND(0.01)	ND(0.0042)	ND(0.0031)	ND(0.0025)	ND(0.0021)	ND(0.0066)	ND(0.0048)	ND(0.0048)	ND(0.0048)	0.0068	ND(0.0037)	ND(0.0036)	ND(0.0036)	ND(0.0056)	ND(0.0061)	ND(0.024)	ND(0.0045)	ND(0.0062)	ND(0.0054)	ND(0.0083)	0.0092	ND(0.0068)
		40	52.8	ND(0.33)	ND(0.14)	ND(0.1)	ND(0.082)	ND(0.07)	ND(0.22)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.13)	ND(0.12)	ND(0.12)	ND(0.12)	ND(0.18)	ND(0.2)	ND(0.78)	ND(0.15)	ND(0.2)	ND(0.18)	ND(0.27)	ND(0.13)	ND(0.22)
		45	242	ND(1.5)	ND(0.63)	ND(0.47)	ND(0.38)	ND(0.32)	ND(1)	ND(0.73)	ND(0.73)	ND(0.73)	ND(0.6)	ND(0.56)	ND(0.55)	ND(0.55)	ND(0.84)	ND(0.91)	ND(3.6)	ND(0.68)	ND(0.93)	ND(0.81)	ND(1.2)	ND(0.59)	ND(1)
		45 Dup	229	ND(1.4)	ND(0.59)	ND(0.44)	ND(0.36)	ND(0.3)	ND(0.94)	ND(0.69)	ND(0.69)	ND(0.69)	ND(0.57)	ND(0.53)	ND(0.52)	ND(0.52)	ND(0.8)	ND(0.86)	ND(3.4)	ND(0.64)	ND(0.88)	ND(0.77)	ND(1.2)	ND(0.56)	ND(0.98)
		50	1010	ND(6.3)	ND(2.6)	ND(2)	ND(1.6)	ND(1.3)	ND(4.2)	ND(3)	ND(3)	ND(3)	ND(2.5)	ND(2.3)	ND(2.3)	ND(2.3)	ND(3.5)	ND(3.8)	ND(15)	ND(2.8)	ND(3.9)	ND(3.4)	ND(5.2)	ND(2.5)	ND(4.3)
		55	1550	ND(9.7)	ND(4)	ND(3)	ND(2.4)	ND(2)	ND(6.4)	ND(4.7)	ND(4.7)	ND(4.7)	ND(3.8)	ND(3.6)	ND(3.5)	ND(3.5)	ND(5.4)	ND(5.8)	ND(23)	ND(4.4)	ND(6)	ND(5.2)	ND(8)	ND(3.8)	ND(6.6)
	Sep 2005	10	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083)	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		15	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	ND(0.0034)	ND(0.0028)	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076)	ND(0.0081)	ND(0.032)	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	ND(0.0053)	ND(0.0092)
		20	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	0.032	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		25	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	0.022	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		30	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	ND(0.0036)	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034)	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012)	0.0056	ND(0.0098)
		35	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	0.0083	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	0.021	ND(0.0094)
		40	22.4	ND(0.14)	ND(0.058)	ND(0.043)	ND(0.035)	ND(0.03)	ND(0.092)	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.055)	ND(0.052)	ND(0.051)	ND(0.051)	ND(0.078)	ND(0.084)	ND(0.33)	ND(0.063)	ND(0.086)	ND(0.075)	ND(0.12)	ND(0.055)	ND(0.095)
		45	440	ND(2.8)	ND(1.1)	ND(0.85)	ND(0.68)	ND(0.58)	ND(1.8)	ND(1.3)	ND(1.3)	ND(1.3)	ND(1.1)	ND(1)	ND(1)	ND(1)	ND(1.5)	ND(1.6)	ND(6.5)	ND(1.2)	ND(1.7)	ND(1.5)	ND(2.3)	ND(1.1)	ND(1.9)
		50	2160	ND(14)	ND(5.6)	ND(4.2)	ND(3.4)	ND(2.8)	ND(8.9)	ND(6.5)	ND(6.5)	ND(6.5)	ND(5.3)	ND(5)	ND(4.9)	ND(4.9)	ND(7.6)	ND(8.1)	ND(32)	ND(6.1)	ND(8.3)	ND(7.2)	ND(11)	ND(5.3)	ND(9.2)
		50 Dup	2330	ND(14)	ND(6)	ND(4.5)	ND(3.6)	ND(3.1)	ND(9.6)	ND(7)	ND(7)	ND(7)	ND(5.8)	ND(5.4)	ND(5.3)	ND(5.3)	ND(8.1)	ND(8.8)	ND(34)	ND(6.5)	ND(8.9)	ND(7.8)	ND(12)	ND(5.7)	ND(9.9)
		55	4400	ND(28)	ND(11)	ND(8.5)	ND(6.8)	ND(5.8)	ND(18)	ND(13)	ND(13)	ND(13)	ND(11)	ND(10)	ND(10)	ND(10)	ND(15)	ND(16)	ND(65)	ND(12)	ND(17)	ND(15)	ND(23)	ND(11)	ND(19)
		60	2240	ND(14)	ND(5.8)	ND(4.3)	ND(3.5)	ND(3)	ND(9.2)	ND(6.7)	ND(6.7)	ND(6.7)	ND(5.5)	ND(5.2)	ND(5.1)	ND(5.1)	ND(7.8)	ND(8.4)	ND(33)	ND(6.3)	ND(8.6)	ND(7.5)	ND(12)	ND(5.5)	ND(9.5)
	Oct 2005	20	2.09	ND(0.013)	ND(0.0054)	ND(0.004)	ND(0.0032)	ND(0.0028) J	ND(0.0086)	ND(0.0063)	ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0073) J	ND(0.0079)	ND(0.031) J	ND(0.0059)	ND(0.008)	ND(0.007)	ND(0.011)	ND(0.0051)	ND(0.0089)
		25	2.05	ND(0.013)	ND(0.0053)	ND(0.004)	ND(0.0032)	ND(0.0027) J	ND(0.0085)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0072) J	ND(0.0077)	ND(0.03) J	ND(0.0058)	ND(0.0078)	ND(0.0069)	ND(0.01)	ND(0.005)	ND(0.0087)
		30	2.13	ND(0.013)	ND(0.0055)	ND(0.0041)	ND(0.0033)	ND(0.0028) J	ND(0.0088)	ND(0.0064)	ND(0.0064)	ND(0.0064)	ND(0.0053)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0074) J	ND(0.008)	ND(0.032) J	ND(0.006)	ND(0.0082)	ND(0.0071)	ND(0.011)	ND(0.0052)	ND(0.0091)
		35	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	0.0036	ND(0.0028) J	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076) J	ND(0.0081)	ND(0.032) J	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	0.014	ND(0.0092)
		40	2.09	ND(0.013)	ND(0.0054)	ND(0.004)	ND(0.0032)	ND(0.0028) J	ND(0.0086)	ND(0.0063)	ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0073) J	ND(0.0079)	ND(0.031)	ND(0.0059)	ND(0.008)	ND(0.007)	ND(0.011)	0.012	ND(0.0089)
		40 Dup	3.46	ND(0.022)	ND(0.009)	ND(0.0067)	ND(0.0054)	ND(0.0046) J	ND(0.014)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.0086)	ND(0.008)	ND(0.0078)	ND(0.0078)	ND(0.012) J	ND(0.013)	ND(0.051)	ND(0.0097)	ND(0.013)	ND(0.012)	ND(0.018)	ND(0.0084)	ND(0.015)
		50	2.09	ND(0.013)	ND(0.0054)	ND(0.004)	ND(0.0032)	ND(0.0028) J	ND(0.0086)	ND(0.0063)	ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0073) J	ND(0.0079)	ND(0.031)	ND(0.0059)	ND(0.008)	ND(0.007)	ND(0.011)	0.01	ND(0.0089)
		60	1060	ND(6.6) J	ND(2.7) J	ND(2) J	8	ND(1.4) J	ND(4.4) J	ND(3.2) J	ND(3.2) J	ND(3.2) J	ND(2.6) J	ND(2.4) J	ND(2.4) J	ND(2.4) J	ND(3.7) J	ND(4) J	ND(16) J	ND(3) J	ND(4.1) J	ND(3.6) J	ND(5.5) J	ND(2.6) J	ND(4.5) J
		60 Dup	1080	ND(6.8) J	ND(2.8) J	ND(2.1) J	9	ND(1.4) J	ND(4.5) J	ND(3.2) J	ND(3.2) J	ND(3.2) J	ND(2.7) J	ND(2.5) J	ND(2.4) J	ND(2.4) J	ND(3.8) J	ND(4.1) J	ND(16) J	ND(3) J	ND(4.1) J	ND(3.6) J	ND(5.6) J	ND(2.6) J	ND(4.6) J
	Jun/Jul 2006	10	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	0.0039 J	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033) J	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		20	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	ND(0.0036) J	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034) J	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		30	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	0.012 J	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091)	ND(0.036) J	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	0.034	ND(0.01)
		40	2.76	ND(0.017)	ND(0.0071)	ND(0.0054)	ND(0.0043) J	ND(0.0036)	ND(0.011)	ND(0.0083)	ND(0.0083)	ND(0.0083)	ND(0.0068)	ND(0.0064)	ND(0.0063)	ND(0.0063)	ND(0.0096)	0.014	ND(0.041) J	ND(0.0078)	ND(0.01)	ND(0.0092)	ND(0.014)	ND(0.0067)	ND(0.012)
		50	1080	ND(6.8) J	ND(2.8) J	ND(2.1) J	4 J	ND(1.4) J	ND(4.5) J	ND(3.2) J	ND(3.2) J	ND(3.2) J	ND(2.7) J	ND(2.5) J	ND(2.4) J	ND(2.4) J	ND(3.8) J	ND(4.1) J	ND(16) J	ND(3) J	ND(4.1) J	ND(3.6) J	ND(5.6) J	ND(2.6) J	ND(4.6) J
		50 Dup	952	ND(6) J	ND(2.5) J	ND(1.8) J	3 J	ND(1.2) J	ND(3.9) J	ND(2.9) J	ND(2.9) J	ND(2.9) J	ND(2.4) J	ND(2.2) J	ND(2.2) J	ND(2.2) J	ND(3.3) J	ND(3.6) J	ND(14) J	ND(2.7) J	ND(3.6) J	ND(3.2) J	ND(4.9) J	ND(2.3) J	ND(4) J
		60	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	0.012 J	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.0059)	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009)	ND(0.035) J	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)

US EPA ARCHIVE DOCUMENT

TABLE 2-8c. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, WATER TREATMENT RELATED AND OTHER CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Allyl Chloride mg/m^3	Benzyl chloride mg/m^3	Bromo-methane mg/m^3	Carbon Disulfide mg/m^3	Chloro-ethane mg/m^3	Chloro-methane mg/m^3	1,2-Dichloro-benzene mg/m^3	1,3-Dichloro-benzene mg/m^3	1,4-Dichloro-benzene mg/m^3	Dichloro-difluoro-methane mg/m^3	1,2-Dichloro-propane mg/m^3	cis-1,3-dichloro-propene mg/m^3	trans-1,3-Dichloro-propene mg/m^3	1,2-Dichloro-1,1,2,2-tetrafluoroethane mg/m^3	Ethanol mg/m^3	1,2,4-Trichloro-benzene mg/m^3	Trichloro-fluoromethane mg/m^3	1,1,2-Trichloro-trifluoroethane mg/m^3	Bromo-dichloro-methane mg/m^3	Bromoform mg/m^3	Chloroform mg/m^3	Dibromo-chloro-methane mg/m^3
VW-99	Apr 2008	10	2.47	ND(0.015)	ND(0.0064)	ND(0.0048)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0074)	ND(0.0074)	ND(0.0074)	ND(0.0061)	ND(0.0057)	ND(0.0056)	ND(0.0056)	ND(0.0086)	ND(0.0093)	ND(0.037)	ND(0.0069)	ND(0.0095)	ND(0.0083)	ND(0.013)	ND(0.006)	ND(0.01)
		15	2.02	ND(0.013)	ND(0.0052)	ND(0.0039)	ND(0.0031)	ND(0.0027)	ND(0.0083)	ND(0.0061)	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0071)	ND(0.0076)	ND(0.03)	ND(0.0057)	ND(0.0077)	ND(0.0068)	ND(0.01)	ND(0.0049)	ND(0.0086)
		20	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		25	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	0.0064	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	0.012	ND(0.035)	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)
		30	2.53	ND(0.016)	ND(0.0065)	ND(0.0049)	ND(0.0039)	ND(0.0033)	ND(0.01)	ND(0.0076)	ND(0.0076)	ND(0.0076)	0.011	ND(0.0058)	ND(0.0057)	ND(0.0057)	ND(0.0088)	ND(0.0095)	ND(0.038)	ND(0.0071)	ND(0.0097)	ND(0.0085)	ND(0.013)	ND(0.0062)	ND(0.011)
		35	22.9	ND(0.14)	ND(0.059)	ND(0.044)	ND(0.036)	ND(0.03)	ND(0.094)	ND(0.069)	ND(0.069)	ND(0.069)	ND(0.057)	ND(0.053)	ND(0.052)	ND(0.052)	ND(0.08)	ND(0.086)	ND(0.34)	ND(0.064)	ND(0.088)	ND(0.077)	ND(0.12)	ND(0.056)	ND(0.098)
		40	22.4	ND(0.14)	ND(0.058)	ND(0.043)	ND(0.035)	ND(0.03)	ND(0.092)	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.055)	ND(0.052)	ND(0.051)	ND(0.051)	ND(0.078)	ND(0.084)	ND(0.33)	ND(0.063)	ND(0.086)	ND(0.075)	ND(0.12)	ND(0.055)	ND(0.095)
		45	46.6	ND(0.29)	ND(0.12)	ND(0.09)	ND(0.072)	ND(0.061)	ND(0.19)	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.12)	ND(0.11)	ND(0.1)	ND(0.1)	ND(0.16)	ND(0.18)	ND(0.69)	ND(0.13)	ND(0.18)	ND(0.16)	ND(0.24)	ND(0.11)	ND(0.2)
		50	110	ND(0.69)	ND(0.28)	ND(0.21)	ND(0.17)	ND(0.14)	ND(0.45)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.27)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.38)	ND(0.41)	ND(1.6)	ND(0.31)	ND(0.42)	ND(0.37)	ND(0.57) J	ND(0.27)	ND(0.47)
		50 Dup	110	ND(0.69)	ND(0.28)	ND(0.21)	ND(0.17)	ND(0.14)	ND(0.45)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.27)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.38)	ND(0.41)	ND(1.6)	ND(0.31)	ND(0.42)	ND(0.37)	ND(0.57)	ND(0.27)	ND(0.47)
	Sep 2008	10	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		15	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	ND(0.0036)	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034)	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		20	2.58	ND(0.016)	ND(0.0067)	ND(0.005)	ND(0.004)	ND(0.0034)	ND(0.011)	ND(0.0078)	ND(0.0078)	ND(0.0078)	ND(0.0064)	ND(0.006)	ND(0.0058)	ND(0.0058)	ND(0.009)	ND(0.0097)	ND(0.038)	ND(0.0072)	ND(0.0099)	ND(0.0086)	ND(0.013)	ND(0.0063)	ND(0.011)
		25	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	0.0048	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	0.0091 JB	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		30	2.13	ND(0.013)	ND(0.0055)	ND(0.0041)	ND(0.0033)	ND(0.0028)	ND(0.0088)	ND(0.0064)	ND(0.0064)	ND(0.0064)	ND(0.0053)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0074)	ND(0.008)	ND(0.032)	ND(0.006)	ND(0.0082)	ND(0.0071)	ND(0.011)	0.0052	ND(0.0091)
		35	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	0.01	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009)	ND(0.035)	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	0.01	ND(0.01)
		35 Dup	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	0.0095	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009)	ND(0.035)	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	0.0099	ND(0.01)
		40	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	ND(0.0036)	ND(0.003)	0.016	ND(0.0069)	ND(0.0069)	ND(0.0069)	0.014	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034)	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012)	0.023	ND(0.0098)
		45	3.73	ND(0.23)	ND(0.096)	ND(0.072)	ND(0.058)	ND(0.049)	ND(0.15)	ND(0.11)	ND(0.11)	ND(0.11)	ND(0.092)	ND(0.086)	ND(0.085)	ND(0.085)	ND(0.13)	ND(0.14)	ND(0.55)	ND(0.1)	ND(0.14)	ND(0.12)	ND(0.19)	ND(0.091)	ND(0.16)
		50	16	ND(1)	ND(0.41)	ND(0.31)	ND(0.25)	ND(0.21)	ND(0.66)	ND(0.48)	ND(0.48)	ND(0.48)	ND(0.4)	ND(0.37)	ND(0.36)	ND(0.36)	ND(0.56)	ND(0.6)	ND(2.4)	ND(0.45)	ND(0.61)	ND(0.54)	ND(0.83)	ND(0.39)	ND(0.68)
		55	74.7	ND(4.7)	ND(1.9)	ND(1.4)	ND(1.2)	ND(0.98)	ND(3.1)	ND(2.2)	ND(2.2)	ND(2.2)	ND(1.8)	ND(1.7)	ND(1.7)	ND(1.7)	ND(2.6)	ND(2.8)	ND(11)	ND(2.1)	ND(2.9)	ND(2.5)	ND(3.9)	ND(1.8)	ND(3.2)
		55 Dup	74.4	ND(4.7)	ND(1.9)	ND(1.4)	ND(1.2)	ND(0.98)	ND(3.1)	ND(2.2)	ND(2.2)	ND(2.2)	ND(1.8)	ND(1.7)	ND(1.7)	ND(1.7)	ND(2.6)	ND(2.8)	ND(11)	ND(2.1)	ND(2.9)	ND(2.5)	ND(3.9)	ND(1.8)	ND(3.2)
		60	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	ND(0.0036)	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034)	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012) UJ	ND(0.0056)	ND(0.0098) UJ
	Dec 2008	10	2.13	ND(0.013)	ND(0.0055)	ND(0.0041)	ND(0.0033)	ND(0.0028)	ND(0.0088)	ND(0.0064)	ND(0.0064)	ND(0.0064)	ND(0.0053)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0074)	ND(0.008)	ND(0.032)	ND(0.006)	ND(0.0082)	ND(0.0071)	ND(0.011)	ND(0.0052)	ND(0.0091)
		15	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088)	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		20	2.09	ND(0.013)	ND(0.0054)	ND(0.004)	ND(0.0032)	ND(0.0028)	ND(0.0086)	ND(0.0063)	ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0073)	ND(0.0079)	ND(0.031)	ND(0.0059)	ND(0.008)	ND(0.007)	ND(0.011)	ND(0.0051)	ND(0.0089)
		25	3.44	ND(0.22)	ND(0.089)	ND(0.067) UJ	ND(0.054)	ND(0.045)	ND(0.14)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.085)	ND(0.079)	ND(0.078)	ND(0.078)	ND(0.12)	ND(0.13)	ND(0.51)	ND(0.097)	ND(0.13)	ND(0.12)	ND(0.18)	ND(0.084)	ND(0.15)
		30	42.6	ND(2.7)	ND(1.1)	ND(0.83) UJ	ND(0.66)	ND(0.56)	ND(1.8)	ND(1.3)	ND(1.3)	ND(1.3)	ND(1)	ND(0.98)	ND(0.97)	ND(0.97)	ND(1.5)	ND(1.6)	ND(6.3)	ND(1.2)	ND(1.6)	ND(1.4)	ND(2.2)	ND(1)	ND(1.8)
		35	30.8	ND(1.9)	ND(0.8)	ND(0.6) UJ	ND(0.48)	ND(0.41)	ND(1.3)	ND(0.92)	ND(0.92)	ND(0.92)	ND(0.76)	ND(0.71)	ND(0.7)	ND(0.7)	ND(1.1)	ND(1.2)	ND(4.6)	ND(0.86)	ND(1.2)	ND(1)	ND(1.6)	ND(0.75)	ND(1.3)
		40	27.7	ND(1.7)	ND(0.72)	ND(0.54)	ND(0.43)	ND(0.36)	ND(1.1)	ND(0.83)	ND(0.83)	ND(0.83)	ND(0.68)	ND(0.64)	ND(0.63)	ND(0.63)	ND(0.97)	ND(1)	ND(4.1)	ND(0.78)	ND(1.1)	ND(0.93)	ND(1.4)	ND(0.68)	ND(1.2)
		45	34.2	ND(2.1)	ND(0.88)	ND(0.66)	ND(0.53)	ND(0.45)	ND(1.4)	ND(1)	ND(1)	ND(1)	ND(0.84)	ND(0.79)	ND(0.78)	ND(0.78)	ND(1.2)	ND(1.3)	ND(5.1)	ND(0.96)	ND(1.3)	ND(1.1)	ND(1.8)	ND(0.83)	ND(1.4)
		50	52.2	ND(3.3)	ND(1.4)	ND(1)	ND(0.81)	ND(0.69)	ND(2.2)	ND(1.6)	ND(1.6)	ND(1.6)	ND(1.3)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.8)	ND(2)	ND(7.7)	ND(1.5)	ND(2)	ND(1.7)	ND(2.7)	ND(1.3)	ND(2.2)
		55	109	ND(6.8)	ND(2.8)	ND(2.1) UJ	ND(1.7)	ND(1.4)	ND(4.5)	ND(3.3)	ND(3.3)	ND(3.3)	ND(2.7)	ND(2.5)	ND(2.5)	ND(2.5)	ND(3.8)	ND(4.1)	ND(16)	ND(3.1) UJ	ND(4.2)	ND(3.6)	ND(5.6)	ND(2.7)	ND(4.6)
		55 Dup	205	ND(13)	ND(5.3)	ND(4) UJ	ND(3.2)	ND(2.7)	ND(8.5)	ND(6.2)	ND(6.2)	ND(6.2)	ND(5.1)	ND(4.7)	ND(4.6)	ND(4.6)	ND(7.2)	ND(7.7)	ND(30)	ND(5.8)	ND(7.8)	ND(6.9)	ND(10)	ND(5)	ND(8.7)
		60	51.2	ND(3.2)	ND(1.3)	ND(0.99)	ND(0.8)	ND(0.68)	ND(2.1)	ND(1.5)	ND(1.5)	ND(1.5)	ND(1.3)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.8)	ND(1.9)	ND(7.6)	ND(1.4)	ND(2)	ND(1.7)	ND(2.6)	ND(1.2)	ND(2.2)
	Sep/Oct 2009	10	11.2	ND(0.7)	ND(0.29)	ND(0.22)	ND(0.17)	ND(0.15)	ND(0.46)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.28) UJ	ND(0.26)	ND(0.25)	ND(0.25)	ND(0.39)	ND(0.42) UJ	ND(1.7) UJ	ND(0.31)	ND(0.43)	ND(0.38)	ND(0.58)	ND(0.27)	ND(0.48)
		15	233	ND(14)	ND(6)	ND(4.5)	ND(3.6)	ND(3.1)	ND(9.6)	ND(7)	ND(7)	ND(7)	ND(5.8) UJ	ND(5.4)	ND(5.3)	ND(5.3)	ND(8.1)	ND(8.8) UJ	ND(34) UJ	ND(6.5)	ND(8.9)	ND(7.8)	ND(12)	ND(5.7)	ND(9.9)
		20	388	ND(24)	ND(10)	ND(7.5)	ND(6)	ND(5.1)	ND(16)	ND(12)	ND(12)	ND(12)	ND(9.6) UJ	ND(9)	ND(8.8)	ND(8.8)	ND(14)	ND(15) UJ	ND(58) UJ	ND(11)	ND(15)	ND(13)	ND(20)	ND(9.5)	ND(16)
		25	164	ND(10)	ND(4.2)	ND(3.2)	ND(2.6)	ND(2.2)	ND(6.8)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4) UJ	ND(3.8)	ND(3.7)	ND(3.7)	ND(5.7)	ND(6.2) UJ	ND(24) UJ	ND(4.6)	ND(6.3)	ND(5.5)	ND(8.5)	ND(4)	ND(7)
		30	242	ND(15)	ND(6.3)	ND(4.7)	ND(3.8)	ND(3.2)	ND(10)	ND(7.3)	ND(7.3)	ND(7.3)	ND(6) UJ	ND(5.6)	ND(5.5)	ND(5.5)	ND(8.4)	ND(9.1) UJ	ND(36) UJ	ND(6.8)	ND(9.3)	ND(8.1)	ND(12)	ND(5.9)	ND(10)
		30 Dup	253	ND(16)	ND(0.014)	ND(0.014)	ND(0.014)	ND(39)	ND(0.014)	ND(40)	ND(0.014)	ND(0.00087)	ND(0.00095)	ND(0.001)	ND(0.0011)	ND(0.001)	ND(0.0063)	ND(0.0058)	ND(0.0062)	ND(0.0058)	ND(0.0059)	ND(0.0063)	ND(0.0062)	ND(0.0063)	ND(0.0058)
		35	373	ND(23)	ND(9.6)	ND(7.2)	ND(5.8)	ND(4.9)	ND(15)	ND(11)	ND(11)	ND(11)	ND(9.2) UJ	ND(8.6)	ND(8.5)	ND(8.5)	ND(13)	ND(14) UJ	ND(55) UJ	ND(10)	ND(14)	ND(12)	ND(19)	ND(9.1)	ND(16)
		40	397	ND(25)	ND(10)	ND(7.7)	ND(6.2)	ND(5.2)	ND(16)	ND(12)	ND(12)	ND(12)	ND(9.8) UJ	ND(9.2)	ND(9)	ND(9)	ND(14)	ND(15) UJ	ND(59) UJ	ND(11)	ND(15)	ND(13)	ND(20)	ND(9.7)	ND(17)
		45	388	ND(24)	ND(10)	ND(7.5)	ND(6)	ND(5.1)	ND(16)	ND(12)	ND(12)	ND(12)	ND(9.6) UJ	ND(9)	ND(8.8)	ND(8.8)	ND(14)	ND(15) UJ	ND(58) UJ	ND(11)	ND(15)	ND(13)	ND(20)	ND(9.5)	ND(16)
		50	560	ND(35)	ND(14)	ND(11)	ND(8.7)	ND(7.4)	ND(23)	ND(17)	ND(17)	ND(17)	ND(14) UJ	ND(13)	ND(13)	ND(13)	ND(20)	ND(21) UJ	ND(83) UJ	ND(16)	ND(21)	ND(19)	ND(29)	ND(14)	ND(24)
		55	672	ND(42)	ND(17)	ND(13)	ND(10)	ND(8.9)	ND(28)	ND(20)	ND(20)	ND(20)	ND(17) UJ	ND(16)	ND(15)	ND(15)	ND(23)	ND(25) UJ	ND(100) UJ	ND(19)	ND(26)	ND(22)	ND(35)	ND(16)	ND(29)
		60	166	ND(10)	ND(4.3)	ND(3.2)	ND(2.6)	ND(2.2)	ND(6.8)	ND(5)	ND(5)	ND(5)	ND(4.1) UJ	ND(3.8)	ND(3.8)	ND(3.8)	ND(5.8)	ND(6.2) UJ	ND(25) UJ	ND(4.7)	ND(6.4)	ND(5.6)	ND(8.6)	ND(4)	ND(7.1)

US EPA ARCHIVE DOCUMENT

TABLE 2-8c. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, WATER TREATMENT RELATED AND OTHER CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Allyl Chloride mg/m^3	Benzyl chloride mg/m^3	Bromo-methane mg/m^3	Carbon Disulfide mg/m^3	Chloro-ethane mg/m^3	Chloro-methane mg/m^3	1,2-Dichloro-benzene mg/m^3	1,3-Dichloro-benzene mg/m^3	1,4-Dichloro-benzene mg/m^3	Dichloro-difluoro-methane mg/m^3	1,2-Dichloro-propane mg/m^3	cis-1,3-dichloro-propene mg/m^3	trans-1,3-Dichloro-propene mg/m^3	1,2-Dichloro-1,1,2,2-tetrafluoroethane mg/m^3	Ethanol mg/m^3	1,2,4-Trichloro-benzene mg/m^3	Trichloro-fluoromethane mg/m^3	1,1,2-Trichloro-trifluoroethane mg/m^3	Bromo-dichloro-methane mg/m^3	Bromoform mg/m^3	Chloroform mg/m^3	Dibromo-chloro-methane mg/m^3
VW-127	May 2005	5	2.09	ND(0.013)	ND(0.0054)	ND(0.004)	0.0075	ND(0.0028)	ND(0.0086)	ND(0.0063)	ND(0.0063)	ND(0.0063)	0.0056	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0073)	0.047	ND(0.031)	ND(0.0059)	ND(0.008)	ND(0.007)	ND(0.011)	ND(0.0051)	ND(0.0089)
		10	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	0.011	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	0.036	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		15	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	0.18	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	0.0057	ND(0.0095)
		20	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	0.068	ND(0.0028)	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	0.0054	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076)	ND(0.0081)	ND(0.032)	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	ND(0.0053)	ND(0.0092)
		30	4.6	ND(0.029)	ND(0.012)	ND(0.0089)	0.28	ND(0.0061)	ND(0.019)	ND(0.014)	ND(0.014)	ND(0.014)	ND(0.011)	ND(0.011)	ND(0.01)	ND(0.01)	ND(0.016)	ND(0.017)	ND(0.068)	ND(0.013)	ND(0.018)	ND(0.015)	ND(0.024)	ND(0.011)	ND(0.02)
		40	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	0.14	ND(0.0028)	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076)	ND(0.0081)	ND(0.032)	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	ND(0.0053)	ND(0.0092)
		50	4.4	ND(0.028)	ND(0.011)	ND(0.0085)	ND(0.0068)	ND(0.0058)	ND(0.018)	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.011)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.015)	ND(0.016)	ND(0.065)	ND(0.012)	ND(0.017)	ND(0.015)	ND(0.023)	ND(0.011)	ND(0.019)
	Sep 2005	5	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	0.0035	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	0.011	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		10	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083)	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		15	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	0.009	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034)	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		20	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	0.0045	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083)	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		30	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.0059)	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009)	ND(0.035)	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)
		40	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	0.075	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	0.0059	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083) J	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		40 Dup	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	0.0038	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	0.0059	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083) J	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		50	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	0.0036	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	0.0062	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083) J	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
	Oct 2005	20	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	ND(0.0034)	ND(0.0028) J	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076) J	ND(0.0081)	ND(0.032) J	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	ND(0.0053)	ND(0.0092)
		30	2.14	ND(0.013)	ND(0.0055)	ND(0.0042)	ND(0.0033)	ND(0.0028) J	ND(0.0088)	ND(0.0064)	ND(0.0064)	ND(0.0064)	ND(0.0053)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0075) J	ND(0.0081)	ND(0.032) J	ND(0.006)	ND(0.0082)	ND(0.0072)	ND(0.011)	ND(0.0052)	ND(0.0091)
		40	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029) J	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077) J	0.013	ND(0.033) J	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		50	2.05	ND(0.013)	ND(0.0053)	ND(0.004)	0.012	ND(0.0027) J	ND(0.0085)	ND(0.0062)	ND(0.0062)	ND(0.0062)	0.0061	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0072) J	ND(0.0077)	ND(0.03) J	ND(0.0058)	ND(0.0078)	ND(0.0069)	ND(0.01)	ND(0.005)	ND(0.0087)
	Apr 2008	5	476	ND(3)	ND(1.2)	ND(0.92) J	ND(0.74)	ND(0.63)	ND(2)	ND(1.4)	ND(1.4)	ND(1.4)	ND(1.2)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.7)	ND(1.8)	ND(7.1)	ND(1.3)	ND(1.8)	ND(1.6)	ND(2.5) J	ND(1.2)	ND(2)
		10	8.43	ND(0.053)	ND(0.022)	ND(0.016) J	ND(0.013)	ND(0.011)	ND(0.035)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.021)	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.029)	0.039	ND(0.12)	ND(0.024)	ND(0.032)	ND(0.028)	ND(0.044) J	ND(0.02)	ND(0.036)
		15	2.58	ND(0.016)	ND(0.0067)	ND(0.005) J	0.0059	ND(0.0034)	ND(0.011)	ND(0.0078)	ND(0.0078)	ND(0.0078)	ND(0.0064)	ND(0.006)	ND(0.0058)	ND(0.0058)	ND(0.009)	ND(0.0097)	ND(0.038)	ND(0.0072)	ND(0.0099)	ND(0.0086)	ND(0.013) J	ND(0.0063)	ND(0.011)
		20	2.64	ND(0.016)	ND(0.0068)	ND(0.0051) J	ND(0.0041)	ND(0.0035)	ND(0.011)	ND(0.0079)	ND(0.0079)	ND(0.0079)	ND(0.0065)	ND(0.0061)	ND(0.006)	ND(0.006)	ND(0.0092)	ND(0.0099)	ND(0.039)	ND(0.0074)	ND(0.01)	ND(0.0088)	ND(0.014) J	ND(0.0064)	ND(0.011)
		30	2.38	ND(0.015)	ND(0.0062)	ND(0.0046) J	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.0059)	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	0.014	ND(0.035)	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012) J	ND(0.0058)	ND(0.01)
		40	2.42	ND(0.015)	ND(0.0063)	ND(0.0047) J	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	0.023	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012) J	ND(0.0059)	ND(0.01)
		50	2.33	ND(0.014)	ND(0.006)	ND(0.0045) J	ND(0.0036)	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	0.024	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012) J	ND(0.0057)	ND(0.0099)
	Sep 2008	5	843	ND(5.3)	ND(2.2)	ND(1.6)	ND(1.3)	ND(1.1)	ND(3.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.1)	ND(1.9)	ND(1.9)	ND(1.9)	ND(2.9)	ND(3.2)	ND(12)	ND(2.4)	ND(3.2)	ND(2.8)	ND(4.4) UJ	ND(2)	ND(3.6) UJ
		10	96.8	ND(0.6)	ND(0.25)	ND(0.19)	ND(0.15)	ND(0.13)	ND(0.4)	ND(0.29)	ND(0.29)	ND(0.29)	ND(0.24)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.34)	ND(0.36)	ND(1.4)	ND(0.27)	ND(0.37)	ND(0.32)	ND(0.5) UJ	ND(0.24)	ND(0.41) UJ
		15	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098) UJ	ND(0.0072)	ND(0.0072)	ND(0.0072)	0.006 J	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009)	ND(0.035)	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)
		20	2.47	ND(0.015)	ND(0.0064)	ND(0.0048)	ND(0.0038)	ND(0.0032)	ND(0.01) UJ	ND(0.0074)	ND(0.0074)	ND(0.0074)	0.0075 J	ND(0.0057)	ND(0.0056)	ND(0.0056)	ND(0.0086)	0.012 JB	ND(0.037)	ND(0.0069)	ND(0.0095)	ND(0.0083)	ND(0.013)	ND(0.006)	ND(0.01)
		30	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		40	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	0.014 JB	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		50	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	0.0056	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083) UJ	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011) UJ	ND(0.0054)	ND(0.0094) UJ
	Dec 2008	5	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		10	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	ND(0.0034)	ND(0.0028)	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076)	ND(0.0081)	ND(0.032)	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	ND(0.0053)	ND(0.0092)
		15	2.13	ND(0.013)	ND(0.0055)	ND(0.0041)	ND(0.0033)	ND(0.0028)	ND(0.0088)	ND(0.0064)	ND(0.0064)	ND(0.0064)	ND(0.0053)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0074)	ND(0.008)	ND(0.032)	ND(0.006)	ND(0.0082)	ND(0.0071)	ND(0.011)	ND(0.0052)	ND(0.0091)
		20	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088)	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		30	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	ND(0.0034)	ND(0.0028)	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	0.0057	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076)	ND(0.0081)	ND(0.032)	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	ND(0.0053)	ND(0.0092)
		40	2.09	ND(0.013)	ND(0.0054)	ND(0.004)	ND(0.0032)	ND(0.0028)	ND(0.0086)	ND(0.0063)	ND(0.0063)	ND(0.0063)	0.012 J	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0073)	ND(0.0079)	ND(0.031)	ND(0.0059)	ND(0.008)	ND(0.007)	ND(0.011)	ND(0.0051)	ND(0.0089)
		40 Dup	2.05	ND(0.013)	ND(0.0053)	ND(0.004)	ND(0.0032)	ND(0.0027)	ND(0.0085)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0051) UJ	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0072)	ND(0.0077)	ND(0.03)	ND(0.0058)	ND(0.0078)	ND(0.0069)	ND(0.01)	ND(0.005)	ND(0.0087)
		50	2.05	ND(0.013)	ND(0.0053)	ND(0.004)	ND(0.0032)	ND(0.0027)	ND(0.0085)	ND(0.0062)	ND(0.0062)	ND(0.0062)	0.0095	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0072)	ND(0.0077)	ND(0.03)	ND(0.0058)	ND(0.0078)	ND(0.0069)	ND(0.01)	ND(0.005)	ND(0.0087)
	Sep/Oct 2009	5	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038)	ND(0.0032)	0.01	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091) UJ	ND(0.036) UJ	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		10	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	0.0038	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084) UJ	ND(0.033) UJ	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		15	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.0059)	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009) UJ	ND(0.035) UJ	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)
		20	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084) UJ	ND(0.033) UJ	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		30	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	ND(0.0036)	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057) UJ	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086) UJ	ND(0.034) UJ	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		40	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006) UJ	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091) UJ	ND(0.036) UJ	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		40 Dup	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006) UJ	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091) UJ	ND(0.036) UJ	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		50	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.0059) UJ	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009) UJ	ND(0.035) UJ	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)

US EPA ARCHIVE DOCUMENT

TABLE 2-8c. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, WATER TREATMENT RELATED AND OTHER CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Allyl Chloride mg/m^3	Benzyl chloride mg/m^3	Bromo-methane mg/m^3	Carbon Disulfide mg/m^3	Chloro-ethane mg/m^3	Chloro-methane mg/m^3	1,2-Dichloro-benzene mg/m^3	1,3-Dichloro-benzene mg/m^3	1,4-Dichloro-benzene mg/m^3	Dichloro-difluoro-methane mg/m^3	1,2-Dichloro-propane mg/m^3	cis-1,3-dichloro-propene mg/m^3	trans-1,3-Dichloro-propene mg/m^3	1,2-Dichloro-1,1,2,2-tetrafluoroethane mg/m^3	Ethanol mg/m^3	1,2,4-Trichloro-benzene mg/m^3	Trichloro-fluoromethane mg/m^3	1,1,2-Trichloro-trifluoroethane mg/m^3	Bromo-dichloro-methane mg/m^3	Bromoform mg/m^3	Chloroform mg/m^3	Dibromo-chloro-methane mg/m^3
VW-128	Apr 2005	5	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	0.26	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088)	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		10	2.47	ND(0.015)	ND(0.0064)	ND(0.0048)	0.24	ND(0.0032)	ND(0.01)	ND(0.0074)	ND(0.0074)	ND(0.0074)	ND(0.0061)	ND(0.0057)	ND(0.0056)	ND(0.0056)	ND(0.0086)	ND(0.0093)	ND(0.037)	ND(0.0069)	ND(0.0095)	ND(0.0083)	ND(0.013)	ND(0.006)	ND(0.01)
		15	2.53	ND(0.016)	ND(0.0065)	ND(0.0049)	0.18	ND(0.0033)	ND(0.01)	ND(0.0076)	ND(0.0076)	ND(0.0076)	ND(0.0062)	ND(0.0058)	ND(0.0057)	ND(0.0057)	ND(0.0088)	ND(0.0095)	ND(0.038)	ND(0.0071)	ND(0.0097)	ND(0.0085)	ND(0.013)	ND(0.0062)	ND(0.011)
		20	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	0.099	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091)	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		30	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	0.015	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091)	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		40	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	0.016	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083)	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		50	2.64	ND(0.016)	ND(0.0068)	ND(0.0051)	0.012	ND(0.0035)	ND(0.011)	ND(0.0079)	ND(0.0079)	ND(0.0079)	ND(0.0065)	ND(0.0061)	ND(0.006)	ND(0.006)	ND(0.0092)	ND(0.0099)	ND(0.039)	ND(0.0074)	ND(0.01)	ND(0.0088)	ND(0.014)	0.028	ND(0.011)
		50 Dup	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091)	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
	Sep 2005	5	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	0.027	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086) J	ND(0.034)	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012)	0.016	ND(0.0098)
		10	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	0.053	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091) J	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		15	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	0.0068	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088) J	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	0.049	ND(0.0099)
		20	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	0.051	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086) J	ND(0.034)	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		30	2.84	ND(0.018) J	ND(0.0074)	ND(0.0055)	0.17	ND(0.0037)	ND(0.012)	ND(0.0085)	ND(0.0085)	ND(0.0085)	ND(0.007)	ND(0.0066)	ND(0.0064)	ND(0.0064)	ND(0.0099)	ND(0.011)	ND(0.042)	ND(0.008)	ND(0.011)	ND(0.0095)	ND(0.015)	ND(0.0069)	ND(0.012)
		40	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083) J	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		40 Dup	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	0.0037	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084) J	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		50	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	0.013	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084) J	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
	Oct 2005	20	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	ND(0.0034)	ND(0.0028) J	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076) J	ND(0.0081)	ND(0.032) J	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	0.023	ND(0.0092)
		30	2.05	ND(0.013)	ND(0.0053)	ND(0.004)	ND(0.0032)	ND(0.0027) J	ND(0.0085)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0072) J	ND(0.0077)	ND(0.03) J	ND(0.0058)	ND(0.0078)	ND(0.0069)	ND(0.01)	ND(0.005)	ND(0.0087)
		40	2.02	ND(0.013)	ND(0.0052)	ND(0.0039)	ND(0.0031)	ND(0.0027) J	ND(0.0083)	ND(0.0061)	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0071) J	ND(0.0076)	ND(0.03) J	ND(0.0057)	ND(0.0077)	ND(0.0068)	ND(0.01)	ND(0.0049)	ND(0.0086)
		50	2.09	ND(0.013)	ND(0.0054)	ND(0.004)	ND(0.0032)	ND(0.0028) J	ND(0.0086)	ND(0.0063)	ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0073) J	0.0084	ND(0.031) J	ND(0.0059)	ND(0.008)	ND(0.007)	ND(0.011)	ND(0.0051)	ND(0.0089)
		50 Dup	2.01	ND(0.012)	ND(0.0052)	ND(0.0039)	ND(0.0031)	ND(0.0026) J	ND(0.0083)	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.005)	ND(0.0046)	ND(0.0046)	ND(0.0046)	ND(0.007) J	ND(0.0076)	ND(0.03) J	ND(0.0056)	ND(0.0077)	ND(0.0067)	ND(0.01)	ND(0.0049)	ND(0.0086)
	Jun/Jul 2006	5	2.58	ND(0.016)	ND(0.0067)	ND(0.005)	ND(0.004)	ND(0.0034)	ND(0.011)	ND(0.0078)	ND(0.0078)	ND(0.0078)	ND(0.0064)	ND(0.006)	ND(0.0058) J	ND(0.0058)	ND(0.009)	ND(0.0097)	ND(0.038) J	ND(0.0072)	ND(0.0099)	ND(0.0086)	ND(0.013)	0.01 J	ND(0.011)
		10	2.47	ND(0.015)	ND(0.0064)	ND(0.0048)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0074)	ND(0.0074)	ND(0.0074)	ND(0.0061)	ND(0.0057)	ND(0.0056) J	ND(0.0056)	ND(0.0086)	ND(0.0093)	ND(0.037) J	ND(0.0069)	ND(0.0095)	ND(0.0083)	ND(0.013)	ND(0.006) J	ND(0.01)
		15	2.64	ND(0.016)	ND(0.0068)	ND(0.0051)	ND(0.0041)	ND(0.0035)	ND(0.011)	ND(0.0079)	ND(0.0079)	ND(0.0079)	ND(0.0065)	ND(0.0061)	ND(0.006) J	ND(0.006)	ND(0.0092)	ND(0.0099)	ND(0.039) J	ND(0.0074)	ND(0.01)	ND(0.0088)	ND(0.014)	0.022 J	ND(0.011)
		20	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	0.0039	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051) J	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033) J	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	0.0092 J	ND(0.0095)
		30	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	ND(0.0036) J	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034) J	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		40	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.0059)	ND(0.0055)	ND(0.0054) J	ND(0.0054)	ND(0.0083)	ND(0.009)	ND(0.035) J	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058) J	ND(0.01)
		50	2.58	ND(0.016)	ND(0.0067)	ND(0.005)	ND(0.004) J	ND(0.0034)	ND(0.011)	ND(0.0078)	ND(0.0078)	ND(0.0078)	ND(0.0064)	ND(0.006)	ND(0.0058)	ND(0.0058)	ND(0.009)	0.033	ND(0.038) J	ND(0.0072)	ND(0.0099)	ND(0.0086)	ND(0.013)	ND(0.0063)	ND(0.011)
		50 Dup	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034) J	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	0.026	ND(0.033) J	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
	Apr 2008	5	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	0.008	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034)	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012) J	ND(0.0056)	ND(0.0098)
		10	2.09	ND(0.013) J	ND(0.0054) J	ND(0.004) J	ND(0.0032) J	ND(0.0028) J	ND(0.0086) J	ND(0.0063) J	ND(0.0063) J	ND(0.0063) J	ND(0.0052) J	ND(0.0048) J	ND(0.0047) J	ND(0.0047) J	ND(0.0073) J	0.0099 J	ND(0.031) J	ND(0.0059) J	ND(0.008) J	ND(0.007) J	ND(0.011) J	ND(0.0051) J	ND(0.0089) J
		15	2.64	ND(0.016)	ND(0.0068)	ND(0.0051) J	ND(0.0041)	ND(0.0035)	ND(0.011)	ND(0.0079)	ND(0.0079)	ND(0.0079)	ND(0.0065)	ND(0.0061)	ND(0.006)	ND(0.006)	ND(0.0092)	ND(0.0099)	ND(0.039)	ND(0.0074)	ND(0.01)	ND(0.0088)	ND(0.014)	0.011	ND(0.011)
		20	2.38	ND(0.015)	ND(0.0062)	ND(0.0046) J	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.0059)	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009)	ND(0.035)	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)
		30	2.02	ND(0.013)	ND(0.0052)	ND(0.0039) J	ND(0.0031)	ND(0.0027)	ND(0.0083)	ND(0.0061)	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0071)	0.0084	ND(0.03)	ND(0.0057)	ND(0.0077)	ND(0.0068)	ND(0.01)	ND(0.0049)	ND(0.0086)
		40	2.38	ND(0.015)	ND(0.0062)	ND(0.0046) J	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	ND(0.0059)	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009)	ND(0.035)	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)
		50	2.09	ND(0.013)	ND(0.0054)	ND(0.004) J	ND(0.0032)	ND(0.0028)	ND(0.0086)	ND(0.0063)	ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0073)	ND(0.0079)	ND(0.031)	ND(0.0059)	ND(0.008)	ND(0.007)	ND(0.011)	ND(0.0051)	ND(0.0089)
		50 Dup	2.09	ND(0.013)	ND(0.0054)	ND(0.004) J	ND(0.0032)	ND(0.0028)	ND(0.0086)	ND(0.0063)	ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0073)	ND(0.0079)	ND(0.031)	ND(0.0059)	ND(0.008)	ND(0.007)	ND(0.011)	ND(0.0051)	ND(0.0089)
	Sep 2008	5	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091) UJ	ND(0.0066)	ND(0.0066)	ND(0.0066)	0.0068 J	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083)	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		10	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031)	ND(0.0096) UJ	ND(0.007)	ND(0.007)	ND(0.007)	0.0091 J	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088)	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		15	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	0.014 JB	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		20	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	0.012 JB	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		30	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		40	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	0.021	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034)	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		50	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	0.0041	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	0.027 JB	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
	Dec 2008	5	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		10	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		15	2.13	ND(0.013)	ND(0.0055)	ND(0.0041)	ND(0.0033)	ND(0.0028)	ND(0.0088)	ND(0.0064)	ND(0.0064)	ND(0.0064)	ND(0.0053)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0074)	ND(0.008)	ND(0.032)	ND(0.006)	ND(0.0082)	ND(0.0071)	ND(0.011)	ND(0.0052)	ND(0.0091)
		20	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083)	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		30	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		40	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	0.049	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	0.048	ND(0.0063)	ND(0.0086)	ND(0.0075)	ND(0.012)	ND(0.0055)	ND(0.0095)
		50	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083)	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)

US EPA ARCHIVE DOCUMENT

TABLE 2-8c. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, WATER TREATMENT RELATED AND OTHER CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Allyl Chloride mg/m^3	Benzyl chloride mg/m^3	Bromo-methane mg/m^3	Carbon Disulfide mg/m^3	Chloro-ethane mg/m^3	Chloro-methane mg/m^3	1,2-Dichloro-benzene mg/m^3	1,3-Dichloro-benzene mg/m^3	1,4-Dichloro-benzene mg/m^3	Dichloro-difluoro-methane mg/m^3	1,2-Dichloro-propane mg/m^3	cis-1,3-dichloro-propene mg/m^3	trans-1,3-Dichloro-propene mg/m^3	1,2-Dichloro-1,1,2,2-tetrafluoroethane mg/m^3	Ethanol mg/m^3	1,2,4-Trichloro-benzene mg/m^3	Trichloro-fluoromethane mg/m^3	1,1,2-Trichloro-trifluoroethane mg/m^3	Bromo-dichloro-methane mg/m^3	Bromoform mg/m^3	Chloroform mg/m^3	Dibromo-chloro-methane mg/m^3
VW-128	Sep/Oct 2009	5	2.37	ND(0.015)	ND(0.0061)	ND(0.0046)	ND(0.0037) UJ	ND(0.0031)	ND(0.0098)	ND(0.0071)	ND(0.0071)	ND(0.0071)	ND(0.0059)	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.0089) UJ	ND(0.035)	ND(0.0066)	ND(0.0091)	ND(0.0079)	ND(0.012)	ND(0.0058)	ND(0.01)
		10	2.13	ND(0.013)	ND(0.0055)	ND(0.0041)	0.0055 J	ND(0.0028)	ND(0.0088)	ND(0.0064)	ND(0.0064)	ND(0.0064)	0.026	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0074)	ND(0.008) UJ	ND(0.032)	ND(0.006)	ND(0.0082)	ND(0.0071)	ND(0.011)	ND(0.0052)	ND(0.0091)
		15	2.24	ND(0.014)	ND(0.0058)	ND(0.0043)	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	0.01 J	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	0.0089 J	ND(0.033) UJ	ND(0.0063)	ND(0.0086)	0.01	ND(0.012)	0.07	ND(0.0095)
		20	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	0.037	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	0.013 J	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	0.015	ND(0.0094)
		30	2.3	ND(0.014)	ND(0.006)	ND(0.0045)	0.13	ND(0.003)	ND(0.0095)	ND(0.0069)	ND(0.0069)	ND(0.0069)	0.042	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0087) UJ	ND(0.034)	ND(0.0065)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		40	2.3	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.003)	ND(0.0095)	ND(0.0069)	ND(0.0069)	ND(0.0069)	0.043	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0087) UJ	ND(0.034)	ND(0.0065)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		50	2.3	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.003)	ND(0.0095)	ND(0.0069)	ND(0.0069)	ND(0.0069)	0.052	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0087) UJ	ND(0.034)	ND(0.0065)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
VW-129	Apr 2005	5	2.53	ND(0.016)	ND(0.0065)	ND(0.0049)	0.023	ND(0.0033)	ND(0.01)	ND(0.0076)	ND(0.0076)	ND(0.0076)	0.01	ND(0.0058)	ND(0.0057)	ND(0.0057)	ND(0.0088)	ND(0.0095)	ND(0.038)	0.013	ND(0.0097)	ND(0.0085)	ND(0.013)	ND(0.0062)	ND(0.011)
		10	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	0.022	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	0.011	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091)	ND(0.036)	0.013	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		15	2.82	ND(0.018)	ND(0.0073)	ND(0.0055)	0.0064	ND(0.0037)	ND(0.012)	ND(0.0085)	ND(0.0085)	ND(0.0085)	0.014	ND(0.0065)	ND(0.0064)	ND(0.0064)	ND(0.0098)	ND(0.011)	ND(0.042)	0.02	ND(0.011)	ND(0.0094)	ND(0.014)	0.0091	ND(0.012)
		20	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	0.014	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	0.012	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088)	ND(0.034)	0.014	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		30	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	0.027	ND(0.0028)	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	0.012	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076)	ND(0.0081)	ND(0.032)	0.015	ND(0.0083)	ND(0.0072)	ND(0.011)	0.0056	ND(0.0092)
		40	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	0.013	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	0.014	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009)	ND(0.035)	0.018	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)
		50	2.89	ND(0.018)	ND(0.0075)	ND(0.0056)	0.078	ND(0.0038)	ND(0.012)	ND(0.0087)	ND(0.0087)	ND(0.0087)	0.012	ND(0.0067)	ND(0.0066)	ND(0.0066)	ND(0.01)	ND(0.011)	ND(0.043)	0.013	ND(0.011)	ND(0.0097)	ND(0.015)	ND(0.007)	ND(0.012)
		50 Dup	2.53	ND(0.016)	ND(0.0065)	ND(0.0049)	0.028	ND(0.0033)	ND(0.01)	ND(0.0076)	ND(0.0076)	ND(0.0076)	0.014	ND(0.0058)	ND(0.0057)	ND(0.0057)	ND(0.0088)	ND(0.0095)	ND(0.038)	0.019	ND(0.0097)	ND(0.0085)	ND(0.013)	0.0095	ND(0.011)
	Jun/Jul 2006	5	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036) J	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	0.0091	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	0.013	ND(0.034) J	0.012	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		10	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	0.018 J	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	0.012	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034) J	0.014	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		15	2.64	ND(0.016)	ND(0.0068)	ND(0.0051)	ND(0.0041) J	ND(0.0035)	ND(0.011)	ND(0.0079)	ND(0.0079)	ND(0.0079)	0.012	ND(0.0061)	ND(0.006)	ND(0.006)	ND(0.0092)	0.028	ND(0.039) J	0.014	ND(0.01)	ND(0.0088)	ND(0.014)	ND(0.0064)	ND(0.011)
		20	3.46	ND(0.022)	ND(0.009)	ND(0.0067)	ND(0.0054) J	ND(0.0046)	ND(0.014)	ND(0.01)	ND(0.01)	ND(0.01)	0.012	ND(0.008)	ND(0.0078)	ND(0.0078)	ND(0.012)	ND(0.013)	ND(0.051) J	0.014	ND(0.013)	ND(0.012)	ND(0.018)	ND(0.0084)	ND(0.015)
		30	2.47	ND(0.015)	ND(0.0064)	ND(0.0048)	0.0081 J	ND(0.0032)	ND(0.01)	ND(0.0074)	ND(0.0074)	ND(0.0074)	0.015	ND(0.0057)	ND(0.0056)	ND(0.0056)	ND(0.0086)	0.014	ND(0.037) J	0.014	ND(0.0095)	ND(0.0083)	ND(0.013)	ND(0.006)	ND(0.01)
		40	2.69	ND(0.017)	ND(0.007)	ND(0.0052)	0.0044 J	ND(0.0035)	ND(0.011)	ND(0.0081)	ND(0.0081)	ND(0.0081)	0.014	ND(0.0062)	ND(0.0061)	ND(0.0061)	ND(0.0094)	ND(0.01)	ND(0.04) J	0.016	ND(0.01)	ND(0.009)	ND(0.014)	ND(0.0066)	ND(0.011)
		50	2.13	ND(0.013)	ND(0.0055)	ND(0.0041)	0.005 J	ND(0.0028)	ND(0.0088)	ND(0.0064)	ND(0.0064)	ND(0.0064)	0.017	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0074)	ND(0.008)	ND(0.032) J	0.02	ND(0.0082)	ND(0.0071)	ND(0.011)	ND(0.0052)	ND(0.0091)
	Apr 2008	5	2.53	ND(0.016)	ND(0.0065)	ND(0.0049) J	ND(0.0039)	ND(0.0033)	ND(0.01)	ND(0.0076)	ND(0.0076)	ND(0.0076)	ND(0.0062)	ND(0.0058)	ND(0.0057)	ND(0.0057)	ND(0.0088)	0.011	ND(0.038)	0.009	ND(0.0097)	ND(0.0085)	ND(0.013)	ND(0.0062)	ND(0.011)
		10	2.58	ND(0.016)	ND(0.0067)	ND(0.005) J	ND(0.004)	ND(0.0034)	ND(0.011)	ND(0.0078)	ND(0.0078)	ND(0.0078)	ND(0.0064)	ND(0.006)	ND(0.0058)	ND(0.0058)	ND(0.009)	ND(0.0097)	ND(0.038)	0.009	ND(0.0099)	ND(0.0086)	ND(0.013)	ND(0.0063)	ND(0.011)
		15	2.47	ND(0.015)	ND(0.0064)	ND(0.0048) J	0.004	ND(0.0032)	ND(0.01)	ND(0.0074)	ND(0.0074)	ND(0.0074)	0.0074	ND(0.0057)	ND(0.0056)	ND(0.0056)	ND(0.0086)	ND(0.0093)	ND(0.037)	0.013	ND(0.0095)	ND(0.0083)	ND(0.013)	ND(0.006)	ND(0.01)
		20	2.33	ND(0.014)	ND(0.006)	ND(0.0045) J	ND(0.0036)	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	0.009	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088)	ND(0.034)	0.013	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		30	2.24	ND(0.014)	ND(0.0058)	ND(0.0043) J	ND(0.0035)	ND(0.003)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	0.011	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084)	ND(0.033)	0.011	ND(0.0086)	ND(0.0075)	ND(0.012)	0.012	ND(0.0095)
		40	2.38	ND(0.015)	ND(0.0062)	ND(0.0046) J	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	0.009	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009)	ND(0.035)	0.01	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)
		50	2.47	ND(0.015)	ND(0.0064)	ND(0.0048)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0074)	ND(0.0074)	ND(0.0074)	0.014	ND(0.0057)	ND(0.0056)	ND(0.0056)	ND(0.0086)	ND(0.0093)	ND(0.037)	0.019	ND(0.0095)	ND(0.0083)	ND(0.013)	ND(0.006)	ND(0.01)
	Sep 2008	5	2.53	ND(0.016)	ND(0.0065)	ND(0.0049)	ND(0.0039)	ND(0.0033)	ND(0.01)	ND(0.0076)	ND(0.0076)	ND(0.0076)	ND(0.0062)	ND(0.0058)	ND(0.0057)	ND(0.0057)	ND(0.0088)	ND(0.0095)	ND(0.038)	0.01	ND(0.0097)	ND(0.0085)	ND(0.013) UJ	ND(0.0062)	ND(0.011) UJ
		10	2.58	ND(0.016)	ND(0.0067)	ND(0.005)	ND(0.004)	ND(0.0034)	ND(0.011)	ND(0.0078)	ND(0.0078)	ND(0.0078)	0.0067	ND(0.006)	ND(0.0058)	ND(0.0058)	ND(0.009)	ND(0.0097)	ND(0.038)	0.011	ND(0.0099)	ND(0.0086)	ND(0.013) UJ	ND(0.0063)	ND(0.011) UJ
		15	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	0.0076	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009)	ND(0.035)	0.015	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)
		20	2.47	ND(0.015)	ND(0.0064)	ND(0.0048)	0.0041	ND(0.0032)	ND(0.01)	ND(0.0074)	ND(0.0074)	ND(0.0074)	0.0081	ND(0.0057)	ND(0.0056)	ND(0.0056)	ND(0.0086)	ND(0.0093)	ND(0.037)	0.015	ND(0.0095)	ND(0.0083)	ND(0.013)	ND(0.006)	ND(0.01)
		20 Dup	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	0.0078	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091)	ND(0.036)	0.015	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		30	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	0.0096	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.009)	ND(0.035)	0.018	ND(0.0091)	ND(0.008)	ND(0.012)	0.015	ND(0.01)
		40	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	0.0085	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083)	ND(0.033)	0.014	ND(0.0084)	ND(0.0074)	ND(0.011) UJ	0.0059	ND(0.0094) UJ
		50	2.53	ND(0.016)	ND(0.0065)	ND(0.0049)	ND(0.0039)	ND(0.0033)	ND(0.01) UJ	ND(0.0076)	ND(0.0076)	ND(0.0076)	0.012 J	ND(0.0058)	ND(0.0057)	ND(0.0057)	ND(0.0088)	ND(0.0095)	ND(0.038)	0.019 J	ND(0.0097)	ND(0.0085)	ND(0.013)	ND(0.0062)	ND(0.011)
		50 Dup	2.53	ND(0.016)	ND(0.0065)	ND(0.0049)	ND(0.0039)	ND(0.0033)	ND(0.01) UJ	ND(0.0076)	ND(0.0076)	ND(0.0076)	0.013 J	ND(0.0058)	ND(0.0057)	ND(0.0057)	ND(0.0088)	ND(0.0095)	ND(0.038)	0.022 J	ND(0.0097)	ND(0.0085)	ND(0.013)	ND(0.0062)	ND(0.011)
	Dec 2008	5	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088) UJ	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		10	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	ND(0.0034)	ND(0.0028)	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076)	ND(0.0081)	ND(0.032)	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	ND(0.0053)	ND(0.0092)
		15	2.24	ND(0.014) UJ	ND(0.0058) UJ	ND(0.0043) UJ	ND(0.0035) UJ	ND(0.003) UJ	ND(0.0092) UJ	ND(0.0067) UJ	ND(0.0067) UJ	ND(0.0067) UJ	ND(0.0055) UJ	ND(0.0052) UJ	ND(0.0051) UJ	ND(0.0051) UJ	ND(0.0078) UJ	ND(0.0084) UJ	ND(0.033) UJ	ND(0.0063) UJ	ND(0.0086) UJ	ND(0.0075) UJ	ND(0.012) UJ	ND(0.0055) UJ	ND(0.0095) UJ
		20	2.13	ND(0.013)	ND(0.0055)	ND(0.0041)	ND(0.0033)	ND(0.0028)	ND(0.0088)	ND(0.0064)	ND(0.0064)	ND(0.0064)	ND(0.0053)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0074)	ND(0.008)	ND(0.032)	ND(0.006)	ND(0.0082)	ND(0.0071)	ND(0.011)	ND(0.0052)	ND(0.0091)
		30	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083)	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	0.025	ND(0.0094)
		40	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	ND(0.0036)	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034)	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		50	2.09	ND(0.013)	ND(0.0054)	ND(0.004)	ND(0.0032)	ND(0.0028)	ND(0.0086)	ND(0.0063)	ND(0.0063)	ND(0.0063)	ND(0.0052)	ND(0.0048)	ND(0.0047)	ND(0.0047)	ND(0.0073)	ND(0.0079)	ND(0.031)	ND(0.0059)	ND(0.008)	ND(0.007)	ND(0.011)	ND(0.0051)	ND(0.0089)

US EPA ARCHIVE DOCUMENT

TABLE 2-8c. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, WATER TREATMENT RELATED AND OTHER CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Allyl Chloride mg/m^3	Benzyl chloride mg/m^3	Bromo-methane mg/m^3	Carbon Disulfide mg/m^3	Chloro-ethane mg/m^3	Chloro-methane mg/m^3	1,2-Dichloro-benzene mg/m^3	1,3-Dichloro-benzene mg/m^3	1,4-Dichloro-benzene mg/m^3	Dichloro-difluoro-methane mg/m^3	1,2-Dichloro-propane mg/m^3	cis-1,3-dichloro-propene mg/m^3	trans-1,3-Dichloro-propene mg/m^3	1,2-Dichloro-1,1,2,2-tetrafluoroethane mg/m^3	Ethanol mg/m^3	1,2,4-Trichloro-benzene mg/m^3	Trichloro-fluoromethane mg/m^3	1,1,2-Trichloro-trifluoroethane mg/m^3	Bromo-dichloro-methane mg/m^3	Bromoform mg/m^3	Chloroform mg/m^3	Dibromo-chloro-methane mg/m^3
VW-129	Sep/Oct 2009	5	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	0.0063	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091) UJ	ND(0.036)	0.012	ND(0.0093)	ND(0.0081)	ND(0.012) UJ	ND(0.0059)	ND(0.01)
		10	2.39	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0032)	ND(0.0099)	ND(0.0072)	ND(0.0072)	ND(0.0072)	0.0067	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0084)	ND(0.009) UJ	ND(0.035)	0.012	ND(0.0092)	ND(0.008)	ND(0.012) UJ	ND(0.0058)	ND(0.01)
		15	2.48	ND(0.016)	ND(0.0064)	ND(0.0048)	ND(0.0039)	ND(0.0033)	ND(0.01)	ND(0.0074)	ND(0.0074)	ND(0.0074)	0.0068	ND(0.0057)	ND(0.0056)	ND(0.0056)	ND(0.0087)	ND(0.0093) UJ	ND(0.037)	0.013	ND(0.0095)	ND(0.0083)	ND(0.013) UJ	ND(0.006)	ND(0.01)
		20	2.39	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0032)	ND(0.0099)	0.014	ND(0.0072)	ND(0.0072)	0.0065	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0084)	ND(0.009) UJ	ND(0.035)	0.013	ND(0.0092)	ND(0.008)	ND(0.012) UJ	ND(0.0058)	ND(0.01)
		30	2.64	ND(0.016)	ND(0.0068)	ND(0.0051)	ND(0.0041)	ND(0.0035)	ND(0.011)	ND(0.0079)	ND(0.0079)	ND(0.0079)	0.0073	ND(0.0061)	ND(0.006)	ND(0.006)	ND(0.0092)	ND(0.0099) UJ	ND(0.039)	0.014	ND(0.01)	ND(0.0088)	ND(0.014) UJ	0.015	ND(0.011)
		40	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	0.0073	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091) UJ	ND(0.036)	0.014	ND(0.0093)	ND(0.0081)	ND(0.012) UJ	ND(0.0059)	ND(0.01)
		50	2.48	ND(0.016)	ND(0.0064)	ND(0.0048)	ND(0.0039)	ND(0.0033)	ND(0.01)	ND(0.0074)	ND(0.0074)	ND(0.0074)	0.0087	ND(0.0057)	ND(0.0056)	ND(0.0056)	ND(0.0087)	ND(0.0093) UJ	ND(0.037)	0.015	ND(0.0095)	ND(0.0083)	ND(0.013) UJ	ND(0.006)	ND(0.01)
		50 Dup	2.44	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	0.009	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0085)	ND(0.0092) UJ	ND(0.036)	0.015	ND(0.0094)	ND(0.0082)	ND(0.013) UJ	ND(0.006)	ND(0.01)
VW-130	Apr 2005	5	2.76	ND(0.017)	ND(0.0071)	ND(0.0054)	0.032	ND(0.0036)	ND(0.011)	ND(0.0083)	ND(0.0083)	ND(0.0083)	ND(0.0068)	ND(0.0064)	ND(0.0063)	ND(0.0063)	ND(0.0096)	ND(0.01)	ND(0.041)	ND(0.0078)	ND(0.01)	ND(0.0092)	ND(0.014)	ND(0.0067)	ND(0.012)
		10	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	0.11	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091)	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		15	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	0.042	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	0.21	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	0.042	ND(0.01)
		20	2.58	ND(0.016) R	ND(0.0067) R	ND(0.005) R	0.0046 R	ND(0.0034) R	ND(0.011) R	ND(0.0078) R	ND(0.0078) R	ND(0.0078) R	ND(0.0064) R	ND(0.006) R	ND(0.0058) R	ND(0.0058) R	ND(0.009) R	0.011 R	ND(0.038) R	ND(0.0072) R	ND(0.0099) R	ND(0.0086) R	ND(0.013) R	ND(0.0063) R	ND(0.011) R
		30	2.53	ND(0.016) J	ND(0.0065) J	ND(0.0049) J	0.067 J	ND(0.0033) J	ND(0.01) J	ND(0.0076) J	ND(0.0076) J	ND(0.0076) J	0.012 J	ND(0.0058) J	ND(0.0057) J	ND(0.0057) J	ND(0.0088) J	0.037 J	ND(0.038) J	ND(0.0071) J	ND(0.0097) J	ND(0.0085) J	ND(0.013) J	ND(0.0062) J	ND(0.011) J
		30 Dup	2.58	ND(0.016)	ND(0.0067)	ND(0.005)	0.067	ND(0.0034)	ND(0.011)	ND(0.0078)	ND(0.0078)	ND(0.0078)	0.01 J	ND(0.006)	ND(0.0058)	ND(0.0058)	ND(0.009)	ND(0.0097)	ND(0.038)	ND(0.0072)	ND(0.0099)	ND(0.0086)	ND(0.013)	0.0072 J	ND(0.011)
		40	2.76	ND(0.017)	ND(0.0071)	ND(0.0054)	0.0053	ND(0.0036)	ND(0.011)	ND(0.0083)	ND(0.0083)	ND(0.0083)	ND(0.0068)	ND(0.0064)	ND(0.0063)	ND(0.0063)	ND(0.0096)	0.011	ND(0.041)	ND(0.0078)	ND(0.01)	ND(0.0092)	ND(0.014)	ND(0.0067)	ND(0.012)
		50	2.53	ND(0.016)	ND(0.0065)	ND(0.0049)	0.021	ND(0.0033)	ND(0.01)	ND(0.0076)	ND(0.0076)	ND(0.0076)	0.0084	ND(0.0058)	ND(0.0057)	ND(0.0057)	ND(0.0088)	0.0094	ND(0.038)	ND(0.0071)	ND(0.0097)	ND(0.0085)	ND(0.013)	0.046	ND(0.011)
	May 2005	20	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	0.0078	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083)	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		40	2.58	ND(0.016)	ND(0.0067)	ND(0.005)	0.035	ND(0.0034)	ND(0.011)	ND(0.0078)	ND(0.0078)	ND(0.0078)	0.011	ND(0.006)	ND(0.0058)	ND(0.0058)	ND(0.009)	ND(0.0097)	ND(0.038)	ND(0.0072)	ND(0.0099)	ND(0.0086)	ND(0.013)	ND(0.0063)	ND(0.011)
	Apr 2008	5	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	ND(0.006)	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	0.012	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
		10	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	0.011	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		15	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088)	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		20	2.33	ND(0.014) J	ND(0.006) J	ND(0.0045) J	ND(0.0036) J	ND(0.0031) J	ND(0.0096) J	ND(0.007) J	ND(0.007) J	ND(0.007) J	0.0063 J	ND(0.0054) J	ND(0.0053) J	ND(0.0053) J	ND(0.0081) J	0.027 J	ND(0.034) J	ND(0.0065) J	ND(0.0089) J	ND(0.0078) J	ND(0.012) J	ND(0.0057) J	ND(0.0099) J
		30	77.7	ND(0.49) J	ND(0.2) J	ND(0.15) J	ND(0.12) J	ND(0.1) J	ND(0.32) J	ND(0.23) J	ND(0.23) J	ND(0.23) J	ND(0.19) J	ND(0.18) J	ND(0.18) J	ND(0.18) J	ND(0.27) J	ND(0.29) J	ND(1.2) J	ND(0.22) J	ND(0.3) J	ND(0.26) J	ND(0.4) J	ND(0.19) J	ND(0.33) J
		40	2.38	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0072)	ND(0.0072)	ND(0.0072)	0.006	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	0.016	ND(0.035)	ND(0.0067)	ND(0.0091)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)
		40 Dup	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	0.0075	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091)	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
	Sep 2008	5	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088) UJ	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012) UJ	ND(0.0057)	ND(0.0099) UJ
		10	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	0.0097 JB	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		15	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083)	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		20	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083)	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		30	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	0.0041	0.0035	0.013	ND(0.007)	ND(0.007)	ND(0.007)	0.01	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088)	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		40	2.53	ND(0.016)	ND(0.0065)	ND(0.0049) UJ	ND(0.0039)	ND(0.0033)	ND(0.01)	ND(0.0076)	ND(0.0076)	ND(0.0076)	0.0072	ND(0.0058)	ND(0.0057)	ND(0.0057)	ND(0.0088)	ND(0.0095)	ND(0.038)	ND(0.0071)	ND(0.0097)	ND(0.0085)	ND(0.013)	ND(0.0062)	ND(0.011)
		40 Dup	2.53	ND(0.016)	ND(0.0065)	ND(0.0049)	ND(0.0039)	ND(0.0033)	ND(0.01)	ND(0.0076)	ND(0.0076)	ND(0.0076)	0.0073	ND(0.0058)	ND(0.0057)	ND(0.0057)	ND(0.0088)	ND(0.0095)	ND(0.038)	ND(0.0071)	ND(0.0097)	ND(0.0085)	ND(0.013)	ND(0.0062)	ND(0.011)
	Dec 2008	5	2.2	ND(0.014)	ND(0.0057)	ND(0.0043)	ND(0.0034)	ND(0.0029)	ND(0.0091)	ND(0.0066)	ND(0.0066)	ND(0.0066)	0.0079	ND(0.0051)	ND(0.005)	ND(0.005)	ND(0.0077)	ND(0.0083)	ND(0.033)	ND(0.0062)	ND(0.0084)	ND(0.0074)	ND(0.011)	ND(0.0054)	ND(0.0094)
		10	2.05	ND(0.013)	ND(0.0053)	ND(0.004)	ND(0.0032)	ND(0.0027)	ND(0.0085)	ND(0.0062)	ND(0.0062)	ND(0.0062)	ND(0.0051)	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0072)	0.046 J	ND(0.03)	ND(0.0058)	ND(0.0078)	ND(0.0069)	ND(0.01)	ND(0.005)	ND(0.0087)
		15	2.13	ND(0.013)	ND(0.0055)	ND(0.0041)	ND(0.0033)	ND(0.0028)	ND(0.0088)	ND(0.0064)	ND(0.0064)	ND(0.0064)	ND(0.0053)	ND(0.0049)	ND(0.0048)	ND(0.0048)	ND(0.0074)	ND(0.008) UJ	ND(0.032)	ND(0.006)	ND(0.0082)	ND(0.0071)	ND(0.011)	ND(0.0052)	ND(0.0091)
		20	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	ND(0.0034)	ND(0.0028)	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	0.01	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076)	ND(0.0081)	ND(0.032)	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	ND(0.0053)	ND(0.0092)
		30	2.05	ND(0.013)	ND(0.0053)	ND(0.004)	ND(0.0032)	ND(0.0027)	ND(0.0085)	ND(0.0062)	ND(0.0062)	ND(0.0062)	0.0089	ND(0.0047)	ND(0.0046)	ND(0.0046)	ND(0.0072)	0.0091 JB	ND(0.03)	0.0059	ND(0.0078)	ND(0.0069)	ND(0.01)	ND(0.005)	ND(0.0087)
		40	2.53	ND(0.016)	ND(0.0065)	ND(0.0049)	ND(0.0039)	ND(0.0033)	ND(0.01)	ND(0.0076)	ND(0.0076)	ND(0.0076)	0.0084	ND(0.0058)	ND(0.0057)	ND(0.0057)	ND(0.0088)	ND(0.0095)	ND(0.038)	ND(0.0071)	ND(0.0097)	ND(0.0085)	ND(0.013)	ND(0.0062)	ND(0.011)
		40 Dup	2.42	ND(0.015)	ND(0.0063)	ND(0.0047)	ND(0.0038)	ND(0.0032)	ND(0.01)	ND(0.0073)	ND(0.0073)	ND(0.0073)	0.0085	ND(0.0056)	ND(0.0055)	ND(0.0055)	ND(0.0084)	ND(0.0091)	ND(0.036)	ND(0.0068)	ND(0.0093)	ND(0.0081)	ND(0.012)	ND(0.0059)	ND(0.01)
	Sep/Oct 2009	5	2.37	ND(0.015)	ND(0.0061)	ND(0.0046)	ND(0.0037)	ND(0.0031)	ND(0.0098)	ND(0.0071)	ND(0.0071)	ND(0.0071)	0.0062	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0083)	ND(0.0089) UJ	ND(0.035)	ND(0.0066)	ND(0.0091)	ND(0.0079)	ND(0.012)	ND(0.0058)	ND(0.01)
		10	2.35	ND(0.015)	ND(0.0061)	ND(0.0046)	ND(0.0036)	0.0055	0.058	ND(0.0071)	ND(0.0071)	ND(0.0071)	0.0073	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0082)	ND(0.0088) UJ	ND(0.035)	ND(0.0066)	ND(0.009)	ND(0.0079)	ND(0.012)	0.017	ND(0.01)
		15	2.28	ND(0.014)	ND(0.0059)	ND(0.0044)	ND(0.0036)	ND(0.003)	ND(0.0094)	ND(0.0068)	ND(0.0068)	ND(0.0068)	0.0082	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086) UJ	ND(0.034)	ND(0.0064)	ND(0.0087)	ND(0.0076)	ND(0.012)	ND(0.0056)	ND(0.0097)
		20	2.39	ND(0.015)	ND(0.0062)	ND(0.0046)	ND(0.0037)	ND(0.0032)	ND(0.0099)	ND(0.0072)	ND(0.0072)	ND(0.0072)	0.0081	ND(0.0055)	ND(0.0054)	ND(0.0054)	ND(0.0084)	ND(0.009) UJ	ND(0.035)	ND(0.0067)	ND(0.0092)	ND(0.008)	ND(0.012)	ND(0.0058)	ND(0.01)
		30	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	0.0089	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088) UJ	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012) UJ	ND(0.0057)	ND(0.0099)
		40	2.68	ND(0.017)	ND(0.0069)	ND(0.0052)	ND(0.0042)	ND(0.0035)	ND(0.011)	ND(0.008)	ND(0.008)	ND(0.008)	0.011	ND(0.0062)	ND(0.0061)	ND(0.0061)	ND(0.0094)	ND(0.01) UJ	ND(0.04)	ND(0.0075)	ND(0.01)	ND(0.009)	ND(0.014)	ND(0.0065)	ND(0.011)
		40 Dup	2.71	ND(0.017)	ND(0.007)	ND(0.0053)	ND(0.0042)	ND(0.0036)	ND(0.011)	ND(0.0081)	ND(0.0081)	ND(0.0081)	0.0071	ND(0.0063)	ND(0.0061)	ND(0.0061)	ND(0.0095)	ND(0.01) UJ	ND(0.04)	ND(0.0076)	ND(0.01)	ND(0.0091)	ND(0.014) UJ	ND(0.0066)	ND(0.012)
VW-139	Jul 2009	5	3.95	ND(0.025)	ND(0.01)	ND(0.0077)	ND(0.0062)	ND(0.0052)	ND(0.016)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.0098)	ND(0.0091)	ND(0.009)	ND(0.009)	ND(0.014)	ND(0.015)	ND(0.059)	ND(0.011)	ND(0.015)	ND(0.013)	ND(0.02)	ND(0.0096)	ND(0.017)
		10	2.29	ND(0.014)	ND(0.0059)	ND(0.0044)	0.0082	ND(0.003)	ND(0.0094)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0086)	ND(0.034)	ND(0.0064)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		15	2.33	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036)	ND(0.0031)	ND(0.0096)	ND(0.007)	ND(0.007)	ND(0.007)	ND(0.0058)	ND(0.0054)	ND(0.0053)	ND(0.0053)	ND(0.0081)	ND(0.0088)	ND(0.034)	ND(0.0065)	ND(0.0089)	ND(0.0078)	ND(0.012)	ND(0.0057)	ND(0.0099)
		20	4.76	ND(0.03)	ND(0.012)	ND(0.0092)	ND(0.0074)	ND(0.0063)	ND(0.02)	ND(0.014)	ND(0.014)	ND(0.014)	ND(0.012)	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.017)	ND(0.018)	ND(0.071)	ND(0.013)	ND(0.018)	ND(0.016)	ND(0.025)	ND(0.012)	ND(0.02)
		30	4.66	ND(0.029)	ND(0.012)	ND(0.009)	ND(0.0072)	ND(0.0061)	ND(0.019)	ND(0.014)	ND(0.014)	ND(0.014)	ND(0.012)	ND(0.011)	ND(0.01)	ND(0.01)	ND(0.016)	ND(0.018)	ND(0.069)	ND(0.013)	ND(0.018)	ND(0.016)	ND(0.024)	ND(0.011)	ND(0.02)

US EPA ARCHIVE DOCUMENT

TABLE 2-8c. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, WATER TREATMENT RELATED AND OTHER CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Dilution Factor	Allyl Chloride mg/m^3	Benzyl chloride mg/m^3	Bromo-methane mg/m^3	Carbon Disulfide mg/m^3	Chloro-ethane mg/m^3	Chloro-methane mg/m^3	1,2-Dichloro-benzene mg/m^3	1,3-Dichloro-benzene mg/m^3	1,4-Dichloro-benzene mg/m^3	Dichloro-difluoro-methane mg/m^3	1,2-Dichloro-propane mg/m^3	cis-1,3-dichloro-propene mg/m^3	trans-1,3-Dichloro-propene mg/m^3	1,2-Dichloro-1,1,2,2-tetrafluoroethane mg/m^3	Ethanol mg/m^3	1,2,4-Trichloro-benzene mg/m^3	Trichloro-fluoromethane mg/m^3	1,1,2-Trichloro-trifluoroethane mg/m^3	Bromo-dichloro-methane mg/m^3	Bromoform mg/m^3	Chloroform mg/m^3	Dibromo-chloro-methane mg/m^3
VW-139	Sep/Oct 2009	5	2.23	ND(0.014)	ND(0.0058)	ND(0.0043)	0.0071	ND(0.0029)	ND(0.0092)	ND(0.0067)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.0052)	ND(0.0051)	ND(0.0051)	ND(0.0078)	ND(0.0084) UJ	ND(0.033)	ND(0.0063)	ND(0.0085)	ND(0.0075)	ND(0.012)	ND(0.0054)	ND(0.0095)
		10	2.3	ND(0.014)	ND(0.006)	ND(0.0045)	0.018 J	ND(0.003)	ND(0.0095)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	ND(0.0087) UJ	ND(0.034)	ND(0.0065)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		15	2.28	ND(0.014)	ND(0.0059)	ND(0.0044)	ND(0.0036) UJ	ND(0.003)	0.048	ND(0.0068)	ND(0.0068)	ND(0.0068)	ND(0.0056)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.008)	0.012 J	ND(0.034)	ND(0.0064)	ND(0.0087)	ND(0.0076)	ND(0.012)	ND(0.0056)	ND(0.0097)
		20	2.16	ND(0.014)	ND(0.0056)	ND(0.0042)	ND(0.0034) UJ	ND(0.0028)	ND(0.0089)	ND(0.0065)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.005)	ND(0.0049)	ND(0.0049)	ND(0.0076)	0.021 J	ND(0.032)	ND(0.0061)	ND(0.0083)	ND(0.0072)	ND(0.011)	ND(0.0053)	ND(0.0092)
		30	2.31	ND(0.014)	ND(0.006)	ND(0.0045)	ND(0.0036) UJ	ND(0.003)	ND(0.0095)	ND(0.0069)	ND(0.0069)	ND(0.0069)	ND(0.0057)	ND(0.0053)	ND(0.0052)	ND(0.0052)	ND(0.0081)	ND(0.0087) UJ	ND(0.034)	ND(0.0065)	ND(0.0088)	ND(0.0077)	ND(0.012)	ND(0.0056)	ND(0.0098)
		40	632	ND(40)	ND(16)	ND(12)	ND(9.8) UJ	ND(8.3)	ND(26)	ND(19)	ND(19)	ND(19)	ND(16)	ND(15)	ND(14)	ND(14)	ND(22)	ND(24)	ND(94) UJ	ND(18)	ND(24)	ND(21)	ND(33)	ND(15)	ND(27)
		40 Dup	625	ND(39)	ND(16)	ND(12)	ND(9.7) UJ	ND(8.2)	ND(26)	ND(19)	ND(19)	ND(19)	ND(15)	ND(14)	ND(14)	ND(14)	ND(22)	ND(24)	ND(93) UJ	ND(18)	ND(24)	ND(21)	ND(32)	ND(15)	ND(27)

NOTES:
1 – For data collected during 2005-2007 reported as "ND" additional data qualifier flags are not shown on this table. See Trihydro and GeoSyntec 2005 and Appendix A of this report for data qualifier information.
B - Constituent detected in blank sample
DX – Analyte concentration in the initial dilution exceeded instrument calibration range. The reported value for the qualified analyte is from an analysis run at higher dilution.
Dup – Blind Duplicate Sample
J – estimated concentration
mg/m^3 - milligram per cubic meter
ND - Not detected
R – Value has been rejected and should not be used for qualitative or quantitative purposes
U – Detected in blank sample, 1997-1999 results changed to non detect; subsequent results reported

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TABLE 2-8d. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, FIXED GASES
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Method	Dilution Factor	Oxygen %	Carbon Dioxide %
VW-93A	March 2005	5	ASTM-D 1945	2.33	19.0	0.8
	September 2005	5	ASTM-D 1945	2.82	19.0	1.8
	Nov/Dec 2006	5	ASTM-D 1945	2.13	25 R	1.1 R
	June/July 2007	5	ASTM-D 1945	2.64	20.0	1.6
	April 2008	5	ASTM-D 1945	2.42	19.0	1.0
	September 2008	5	ASTM-D 1946	2.33	20.0	2.1
	December 2008	5	ASTM-D 1946	2.02	21	0.89
	Sep/Oct 2009	5	ASTM-D 1946	2.16	19	1.9
VW-93	December 1997	10	Field Reading		10.0	6.4
		15	Field Reading		13.9	3.9
		20	Field Reading		13.5	4.1
		25	Field Reading		6.4	8.4
		30	Field Reading		11.0	6.0
		35	Field Reading		2.3	11.7
		40	Field Reading		1.3	12.4
		45	Field Reading		6.8	8.1
		50	Field Reading		3.0	10.2
		55	Field Reading		7.1	7.7
		60	Field Reading		2.6	9.9
	March 1998	10	ASU - GC		15.2	4.5
		45	ASU - GC		1.4	15.2
		60	ASU - GC		1.5	12.6
	July 1998	10	ASU - GC		15.8	5.7
		15	ASU - GC		15.5	6.8
		20	ASU - GC		15.0	6.3
		25	ASU - GC		15.7	3.2
		30	ASU - GC		14.9	6.4
		35	ASU - GC		12.5	8.2
		40	ASU - GC		10.2	9.5
		45	ASU - GC		1.2	14.7
		50	ASU - GC		1.1	13.4
		55	ASU - GC		1.1	13.2
		60	ASU - GC		1.2	12.4
	March 2005	10	ASTM-D 1945	2.96	17.0	1.4
		15	ASTM-D 1945	2.76	16.0	3.0
		20	ASTM-D 1945	2.33	15.0	3.8
		20 Dup	ASTM-D 1945	2.42	15.0	3.8
		25	ASTM-D 1945	2.69	15.0	3.9
		30	ASTM-D 1945	2.53	14.0	4.9
		35	ASTM-D 1945	2.29	11.0	6.6
		40	ASTM-D 1945	2.24	9.2	7.3
		45	ASTM-D 1945	2.42	3.2	8.7
		50	ASTM-D 1945	2.64	2.7	9.0
		55	ASTM-D 1945	2.58	2.2	9.1
		60	ASTM-D 1945	2.20	1.4	9.8

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TABLE 2-8d. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, FIXED GASES
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Method	Dilution Factor	Oxygen %	Carbon Dioxide %
VW-93	September 2005	10	ASTM-D 1945	2.24	18.0	2.0
		15	ASTM-D 1945	2.20	17.0	2.3
		20	ASTM-D 1945	2.20	17.0	2.4
		25	ASTM-D 1945	2.24	16.0	2.6
		30	ASTM-D 1945	2.24	13.0	3.4
		35	ASTM-D 1945	2.29	12.0	4.3
		40	ASTM-D 1945	2.20	11.0	4.8
		45	ASTM-D 1945	2.20	5.6	8.4
		50	ASTM-D 1945	2.24	4.9	8.6
		55	ASTM-D 1945	2.24	5.6	8.5
		60	ASTM-D 1945	2.20	2.3	10.0
	October 2005	30	ASTM-D 1945	2.20	21.0	1.0
		35	ASTM-D 1945	2.13	21.0	1.2
		40	ASTM-D 1945	2.09	20.0	1.2
		45	ASTM-D 1945	2.16	20.0	1.3
		50	ASTM-D 1945	2.20	20.0	1.8
		60	ASTM-D 1945	2.13	19.0	4.1
	Nov/Dec 2006	10	ASTM-D 1945	2.16	19.0	1.9
		15	ASTM-D 1945	2.09	18.0	2.5
		20	ASTM-D 1945	2.16	17.0	2.6
		25	ASTM-D 1945	2.16	17.0	2.8
		30	ASTM-D 1945	2.13	16.0	3.6
		35	ASTM-D 1945	2.05	15.0	3.7
		40	ASTM-D 1945	2.05	13.0	4.5
		45	ASTM-D 1945	2.02	8.5	7.6
		50	ASTM-D 1945	2.38	8.2	7.8
		55	ASTM-D 1945	2.38	6.9	8.4
		60	ASTM-D 1945	2.13	3.3	12.0
	June/July 2007	10	ASTM-D 1945	2.58	19.0	2.1
		15	ASTM-D 1945	2.76	19.0	2.0
		20	ASTM-D 1945	2.47	19.0	2.1
		25	ASTM-D 1945	2.76	18.0	2.1
		30	ASTM-D 1945	2.38	17.0	2.8
		35	ASTM-D 1945	2.33	16.0	3.6
		40	ASTM-D 1945	2.38	14.0	4.4
		45	ASTM-D 1945	2.29	8.5	8.0
		50	ASTM-D 1945	2.38	7.4	8.5
		55	ASTM-D 1945	2.38	7.1	8.7
		60	ASTM-D 1945	2.47	4.1	9.2

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TABLE 2-8d. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, FIXED GASES
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Method	Dilution Factor	Oxygen %	Carbon Dioxide %
VW-93	April 2008	10	ASTM-D 1945	2.53	17.0	1.7
		10 Dup	ASTM-D 1945	2.53	17.0	1.7
		15	ASTM-D 1945	2.33	16.0	1.9
		20	ASTM-D 1945	2.58	17.0	1.7
		20 Dup	ASTM-D 1945	2.58	17.0	1.6
		25	ASTM-D 1945	2.33	17.0	1.7
		30	ASTM-D 1945	2.42	17.0	1.6
		35	ASTM-D 1945	2.29	17.0	1.7
		40	ASTM-D 1945	2.53	15.0	2.0
		45	ASTM-D 1945	2.38	16.0	2.1
		50	ASTM-D 1945	2.47	12.0	4.0
		55	ASTM-D 1945	2.53	12.0	3.8
	September 2008	10	ASTM-D 1945	2.33	19.0	78.0
		15	ASTM-D 1946	2.24	19.0	3.0
		20	ASTM-D 1946	2.53	19.0	3.1
		20 Dup	ASTM-D 1946	2.47	18.0	2.9
		25	ASTM-D 1946	2.24	18.0	3.0
		30	ASTM-D 1946	2.38	18.0	2.7
		35	ASTM-D 1946	3.40	19.0	2.7
		40	ASTM-D 1946	2.29	17.0	3.1
		45	ASTM-D 1946	2.47	12.0	3.5
		50	ASTM-D 1946	2.33	10.0	4.2
		55	ASTM-D 1946	4.71	10.0	4.3
		60	ASTM-D 1946	4.50	6.0	5.4
	December 2008	10	ASTM-D 1946	2.16	14.0	3.5
		15	ASTM-D 1946	2.24	14.0	4.1
		20	ASTM-D 1946	2.02	14.0	4.1
		25	ASTM-D 1946	2.09	14.0	4.1
		30	ASTM-D 1946	2.13	13.0	4.3
		35	ASTM-D 1946	2.16	13.0	4.4
		40	ASTM-D 1946	2.09	11.0	4.4
		45	ASTM-D 1946	2.24	7.5	4.9
		50	ASTM-D 1946	2.13	6.8	5.0
		55	ASTM-D 1946	2.02	13.0	2.9
		55 Dup	ASTM-D 1946	2.02	12.0	3.6
		60	ASTM-D 1946	2.09	4.5	5.6

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TABLE 2-8d. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, FIXED GASES
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Method	Dilution Factor	Oxygen %	Carbon Dioxide %
VW-93	Sep/Oct 2009	10	ASTM-D 1946	2.40	18	2.7
		15	ASTM-D 1946	2.16	17	3
		20	ASTM-D 1946	2.31	17	3.4
		25	ASTM-D 1946	2.30	17	3.2
		30	ASTM-D 1946	2.40	14	3.8
		35	ASTM-D 1946	2.30	14	3.7
		40	ASTM-D 1946	2.37	9.6	4.9
		45	ASTM-D 1946	2.42	5.3	6.6
		50	ASTM-D 1946	2.44	17	3.2
		50 Dup	ASTM-D 1946	2.44	17	3.2
		55	ASTM-D 1946	2.44	4.6	6.9
		60	ASTM-D 1946	2.42	3.2	7.6
VW-96A	March 2005	5	ASTM-D 1945	2.05	19.0	0.3
	September 2005	5	ASTM-D 1945	2.96	16.0	3.4
	June/July 2006	5	ASTM-D 1945	2.33	16.0	3.5
	Nov/Dec 2006	5	ASTM-D 1945	2.69	20.0	0.8
		5 Dup	ASTM-D 1945	2.42	23.0 R	0.8 R
	September 2008	5	ASTM-D 1946	2.33	17.0	2.9
	December 2008	5	ASTM-D 1946	2.29	9.0	3.7
	March 2009	5	ASTM-D 1946	2.42	19.0	0.97
	Sep/Oct 2009	5	ASTM-D 1946	2.2	1.5	11
VW-96	December 1997	10	Field Reading		15.7	2.0
		15	Field Reading		11.1	3.7
		20	Field Reading		5.3	6.0
		25	Field Reading		0.5	9.3
		30	Field Reading		4.2	8.3
		35	Field Reading		0.0	12.3
		40	Field Reading		0.0	11.5
		45	Field Reading		6.8	7.2
		50	Field Reading		14.2	3.0
		55	Field Reading		0.0	8.3
		60	Field Reading		0.0	8.1
	March 1998	10	ASU - GC		17.0	4.0
		40	ASU - GC		1.5	9.8
		55	ASU - GC		1.5	9.0
	July 1998	10	ASU - GC		16.7	4.0
		15	ASU - GC		13.9	4.8
		20	ASU - GC		10.5	5.2
		25	ASU - GC		3.2	7.3
		30	ASU - GC		1.2	9.3
		35	ASU - GC		1.2	9.6
		40	ASU - GC		1.2	9.5
		45	ASU - GC		1.1	9.5
		50	ASU - GC		1.2	9.4
		55	ASU - GC		1.0	9.2

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TABLE 2-8d. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, FIXED GASES
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Method	Dilution Factor	Oxygen %	Carbon Dioxide %
VW-96	March 2005	10	ASTM-D 1945	2.13	17.0	0.4
		15	ASTM-D 1945	2.16	20.0	0.1
		20	ASTM-D 1945	2.38	9.4	0.6
		25	ASTM-D 1945	2.13	6.6	0.6
		30	ASTM-D 1945	1.75	6.7	1.0
		35	ASTM-D 1945	1.79	10.0 R	1.4 R
		40	ASTM-D 1945	1.55	3.6	3.2
		45	ASTM-D 1945	1.55	3.7	3.8
		50	ASTM-D 1945	1.68	1.4	7.6
		50 Dup	ASTM-D 1945	1.64	7.5	5.8
		55	ASTM-D 1945	1.64	4.6	8.6
	May 2005	30	ASTM-D 1945	2.20	1.5	3.4
		35	ASTM-D 1945	2.20	1.6	4.1
		35 Dup	ASTM-D 1945	2.29	1.6	4.1
		55	ASTM-D 1945	2.24	2.2	8.9
	September 2005	10	ASTM-D 1945	2.09	20.0	0.6
		15	ASTM-D 1945	2.24	21.0	0.3
		20	ASTM-D 1945	2.24	11.0	2.5
		25	ASTM-D 1945	2.29	5.0	4.7
		30	ASTM-D 1945	2.24	4.9	5.8
		35	ASTM-D 1945	2.42	4.3	6.4
		40	ASTM-D 1945	2.29	2.2	7.5
		45	ASTM-D 1945	2.33	1.6	7.8
		50	ASTM-D 1945	2.29	1.4	8.1
		55	ASTM-D 1945	2.24	2.2	8.5
		55 Dup	ASTM-D 1945	2.20	2.3	8.5
		60	ASTM-D 1945	2.33	1.4	9.1
	October 2005	20	ASTM-D 1945	2.05	21.0	0.9
		25	ASTM-D 1945	2.38	20.0	1.2
		30	ASTM-D 1945	2.24	21.0	ND(0.022)
		35	ASTM-D 1945	2.16	20.0	1.0
		40	ASTM-D 1945	2.16	20.0	1.0
		50	ASTM-D 1945	2.33	19.0	2.0 J
		50 Dup	ASTM-D 1945	2.33	18.0	1.9 J
		60	ASTM-D 1945	2.33	1.4	15.0
	June/July 2006	30	ASTM-D 1945	2.69	1.4	8.1
		40	ASTM-D 1945	2.89	1.4	8.5
		50	ASTM-D 1945	2.64	1.4	9.8
		55	ASTM-D 1945	3.03	1.3	9.6
		10	ASTM-D 1945	2.53	12.0	3.8
		20	ASTM-D 1945	2.64	2.8	6.7

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TABLE 2-8d. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, FIXED GASES
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Method	Dilution Factor	Oxygen %	Carbon Dioxide %
VW-96	Nov/Dec 2006	10	ASTM-D 1945	2.20	19.0	1.7
		20	ASTM-D 1945	2.33	17.0	2.1
		25	ASTM-D 1945	2.24	15.0	2.5
		30	ASTM-D 1945	2.16	14.0	2.7
		35	ASTM-D 1945	2.24	13.0	3.3
		40	ASTM-D 1945	2.53	9.8	4.8
		45	ASTM-D 1945	2.24	8.0	5.9
		50	ASTM-D 1945	2.29	1.4	12.0
		55	ASTM-D 1945	2.20	1.3	14.0
	June/July 2007	10	ASTM-D 1945	2.33	16.0	2.7
		20	ASTM-D 1945	2.24	12.0	4.0
		25	ASTM-D 1945	2.29	1.5	7.8
		25 Dup	ASTM-D 1945	2.16	1.4	7.2
		30	ASTM-D 1945	2.38	1.6	8.6
		35	ASTM-D 1945	2.38	1.5	8.9
		40	ASTM-D 1945	2.33	1.4	8.8
		45	ASTM-D 1945	2.38	1.3	8.9
		45 Dup	ASTM-D 1945	2.20	1.4	8.9
		50	ASTM-D 1945	2.42	1.4	9.3
		55	ASTM-D 1945	2.47	1.6	9.6
	April 2008	10	ASTM-D 1945	2.64	19.0	0.4
		20	ASTM-D 1945	2.42	15.0	0.5
		25	ASTM-D 1945	2.09	15.0	0.5
		30	ASTM-D 1945	2.02	11.0	1.0
		35	ASTM-D 1945	2.47	7.8	1.9
		40	ASTM-D 1945	2.16	8.3	3.3
		45	ASTM-D 1945	2.29	5.8	4.6
		50	ASTM-D 1945	2.64	4.4	5.1
		55	ASTM-D 1945	2.58	1.8	8.8
	September 2008	10	ASTM-D 1946	2.29	17.0	2.9
		15	ASTM-D 1946	2.58	16.0	2.8
		20	ASTM-D 1946	2.47	15.0	1.9
		25	ASTM-D 1946	2.42	6.4	1.7
		30	ASTM-D 1946	2.53	5.2	3.5
		35	ASTM-D 1946	2.38	5.0	4.5
		35 RS	ASTM-D 1946	2.38	6.2	7.5
		40	ASTM-D 1946	2.47	4.7	5.2
		45	ASTM-D 1946	2.58	4.3	5.5
		50	ASTM-D 1946	2.38	2.8	6.7
		55	ASTM-D 1946	2.53	1.6	8.5
		60	ASTM-D 1946	2.42	2.0	8.7

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TABLE 2-8d. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, FIXED GASES
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Method	Dilution Factor	Oxygen %	Carbon Dioxide %
VW-96	December 2008	10	ASTM-D 1946	2.24	1.4	7.3
		15	ASTM-D 1946	2.33	1.5	7.6
		20	ASTM-D 1946	2.24	1.4	6.4
		25	ASTM-D 1946	2.05	1.7	6.2
		30	ASTM-D 1946	2.09	1.3	7.5
		35	ASTM-D 1946	2.20	1.6	7.4
		40	ASTM-D 1946	2.33	1.5	7.6
		45	ASTM-D 1946	2.42	2.0	7.5
		50	ASTM-D 1946	2.13	1.6	8.7
		50 Dup	ASTM-D 1946	2.16	1.9	8.5
		55	ASTM-D 1946	2.09	1.6	8.8
		60	ASTM-D 1946	2.20	1.7	8.9
	March 2009	10	ASTM-D 1946	2.53	10.0	5.2
		10 Dup	ASTM-D 1946	2.53	10.0	5.2
		15	ASTM-D 1946	2.29	4.4	8.4
		20	ASTM-D 1946	2.64	2.7	9.3
		25	ASTM-D 1946	2.42	1.4	10.0
		30	ASTM-D 1946	2.42	1.4	9.6
		35	ASTM-D 1946	2.24	1.4	9.5
		40	ASTM-D 1946	2.20	1.3	9.9
		45	ASTM-D 1946	2.24	1.3	9.7
		50	ASTM-D 1946	2.33	1.3	11.0
		55	ASTM-D 1946	2.76	1.7	9.6
	Sep/Oct 2009	10	ASTM-D 1946	2.29	2.9	10
		15	ASTM-D 1946	2.42	1.5	11
		20	ASTM-D 1946	2.38	1.4	10
		25	ASTM-D 1946	2.76	1.4	8.9
		30	ASTM-D 1946	2.24	1.3	9.7
		35	ASTM-D 1946	2.16	1.3	9.7
		35 Dup	ASTM-D 1946	2.16	1.2	9.8
		40	ASTM-D 1946	2.13	1.4	10
		45	ASTM-D 1946	2.2	1.2	11
		50	ASTM-D 1946	2.29	2.3	10
		55	ASTM-D 1946	2.29	1.4	11
		60	ASTM-D 1946	2.29	1.1	11
VW-99A	March 2005	5	ASTM-D 1945	4.38	18.0	0.5
		10	ASTM-D 1945	2.29	18.0	0.2
	April 2008	5	ASTM-D 1945	2.42	19.0	0.4
		5 Dup	ASTM-D 1945	2.38	19.0	0.4
		10	ASTM-D 1945	2.38	16.0	0.2
	September 2008	5	ASTM-D 1946	2.20	20.0	1.6
		10	ASTM-D 1946	2.20	19.0	2.1
	December 2008	5	ASTM-D 1946	2.20	20.0	0.9
	Sep/Oct 2009	5	ASTM-D 1946	2.33	4.9	5.4

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TABLE 2-8d. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, FIXED GASES
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Method	Dilution Factor	Oxygen %	Carbon Dioxide %
VW-99	December 1997	10	Field Reading		17.4	1.9
		15	Field Reading		11.9	4.8
		20	Field Reading		8.7	7.1
		25	Field Reading		7.5	8.1
		30	Field Reading		1.2	10.2
		35	Field Reading		0.0	12.1
		40	Field Reading		0.0	12.1
		45	Field Reading		0.0	11.8
		50	Field Reading		0.0	11.6
		55	Field Reading		0.0	11.3
		60	Field Reading		0.0	11.2
	March 1998	10	ASU - GC		17.5	2.5
		40	ASU - GC		1.4	11.5
		50	ASU - GC		1.0	11.5
	July 1998	10	ASU - GC		17.2	3.2
		15	ASU - GC		16.2	2.8
		20	ASU - GC		15.4	5.5
		25	ASU - GC		15.7	2.8
		30	ASU - GC		12.5	5.4
		35	ASU - GC		1.5	11.9
		40	ASU - GC		1.2	12.0
		45	ASU - GC		1.2	11.3
		50	ASU - GC		1.9	10.3
		55	ASU - GC		1.0	11.0
	March 2005	10	ASTM-D 1945	1.55	16.0	0.1
		15	ASTM-D 1945	1.46	12.0	1.3
		20	ASTM-D 1945	1.55	10.0	2.2
		25	ASTM-D 1945	2.04	9.7	2.1
		30	ASTM-D 1945	1.55	2.7	1.8
		35	ASTM-D 1945	1.61	1.4	4.8
		40	ASTM-D 1945	2.64	1.7	6.2
		45	ASTM-D 1945	2.42	1.6	7.5
		45 Dup	ASTM-D 1945	2.29	1.5	7.5
		50	ASTM-D 1945	2.53	1.6	8.4
		55	ASTM-D 1945	2.33	1.5	9.4
	September 2005	10	ASTM-D 1945	2.20	18.0	2.3
		15	ASTM-D 1945	2.16	17.0	2.1
		20	ASTM-D 1945	2.24	18.0	2.0
		25	ASTM-D 1945	2.24	18.0	2.3
		30	ASTM-D 1945	2.29	11.0	4.2
		35	ASTM-D 1945	2.20	2.8	7.8
		40	ASTM-D 1945	2.24	1.7	8.3
		45	ASTM-D 1945	2.20	1.5	8.4
		50	ASTM-D 1945	2.16	2.4	7.9
		50 Dup	ASTM-D 1945	2.33	2.1	8.1
		55	ASTM-D 1945	2.20	1.4	8.3
		60	ASTM-D 1945	2.24	6.8	6.2

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TABLE 2-8d. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, FIXED GASES
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Method	Dilution Factor	Oxygen %	Carbon Dioxide %
VW-99	October 2005	20	ASTM-D 1945	2.09	20.0	1.6
		25	ASTM-D 1945	2.05	20.0	1.8
		30	ASTM-D 1945	2.13	20.0	2.3
		35	ASTM-D 1945	2.16	19.0	2.8
		40	ASTM-D 1945	3.46	19.0	3.0 J
		50	ASTM-D 1945	2.09	8.7	8.8
		60	ASTM-D 1945	2.16	9.2	8.1
	June/July 2006	10	ASTM-D 1945	2.24	17.0	2.8
		20	ASTM-D 1945	2.29	17.0	2.9
		30	ASTM-D 1945	2.42	15.0	5.0
		40	ASTM-D 1945	2.76	3.7	9.8
		50	ASTM-D 1945	2.69	2.0 J	8.7
		50 Dup	ASTM-D 1945	2.38	1.4 J	9.4
		60	ASTM-D 1945	2.38	17.0	3.1
	Nov/Dec 2006	10	ASTM-D 1945	2.20	12.0	0.6
		15	ASTM-D 1945	2.20	8.1	1.4
		20	ASTM-D 1945	2.38	7.6	1.7
		20 Dup	ASTM-D 1945	2.16	7.9	1.8
		25	ASTM-D 1945	2.13	7.7	1.9
		30	ASTM-D 1945	2.42	8.6	1.8
		35	ASTM-D 1945	2.20	5.8	3.9
		40	ASTM-D 1945	2.53	4.9	5.5
		45	ASTM-D 1945	2.29	2.3	9.8
		50	ASTM-D 1945	2.09	1.4	12.0
		55	ASTM-D 1945	2.13	1.3	13.0
	June/July 2007	10	ASTM-D 1945	2.42	17.0	2.8
		15	ASTM-D 1945	2.33	17.0	3.0
		20	ASTM-D 1945	2.53	16.0	2.8
		25	ASTM-D 1945	2.38	17.0	2.9
		30	ASTM-D 1945	2.29	11.0	6.5
		35	ASTM-D 1945	2.33	1.4	10.0
		35 Dup	ASTM-D 1945	2.33	1.4	10.0
		40	ASTM-D 1945	2.42	1.3	9.8
		45	ASTM-D 1945	2.16	1.7	8.9
		45 Dup	ASTM-D 1945	2.42	1.4	9.3
		50	ASTM-D 1945	2.29	1.4	9.1
		55	ASTM-D 1945	2.20	1.4	8.9
	April 2008	10	ASTM-D 1945	2.47	16.0	0.4
		15	ASTM-D 1945	2.02	14.0	1.5
		20	ASTM-D 1945	2.24	12.0	2.9
		25	ASTM-D 1945	2.38	12.0	3.2
		30	ASTM-D 1945	2.53	5.8	4.7
		35	ASTM-D 1945	2.29	1.7	7.4
		40	ASTM-D 1945	2.24	1.4	8.3
		45	ASTM-D 1945	2.33	1.3	9.2
		50	ASTM-D 1945	2.20	1.5	9.2
		50 Dup	ASTM-D 1945	2.20	1.2	9.4

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TABLE 2-8d. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, FIXED GASES
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Method	Dilution Factor	Oxygen %	Carbon Dioxide %
VW-99	September 2008	10	ASTM-D 1946	2.24	18.0	3.2
		15	ASTM-D 1946	2.29	19.0	2.4
		20	ASTM-D 1946	2.58	19.0	2.3
		25	ASTM-D 1946	2.24	19.0	2.3
		30	ASTM-D 1946	2.13	15.0	3.4
		35	ASTM-D 1946	2.38	6.2	7.5
		35 Dup	ASTM-D 1946	2.38	6.1	7.4
		40	ASTM-D 1946	2.29	2.2	9.5
		45	ASTM-D 1946	2.24	2.6	9.2
		50	ASTM-D 1946	2.24	1.7	9.4
		55	ASTM-D 1946	2.24	1.6	9.2
		55 Dup	ASTM-D 1946	2.24	2.4	8.9
		60	ASTM-D 1946	2.29	18.0	2.7
	December 2008	10	ASTM-D 1946	2.13	16.0	2.9
		15	ASTM-D 1946	2.33	9.6	6.3
		20	ASTM-D 1946	2.09	2.2	11.0
		25	ASTM-D 1946	2.20	3.2	11.0
		30	ASTM-D 1946	2.13	1.3	9.9
		35	ASTM-D 1946	2.16	1.4	10.0
		40	ASTM-D 1946	1.94	2.5	9.9
		45	ASTM-D 1946	2.05	1.9	10.0
		50	ASTM-D 1946	2.09	1.4	11.0
		55	ASTM-D 1946	4.37	1.9	9.8
		55 Dup	ASTM-D 1946	2.05	1.8	11.0
		60	ASTM-D 1946	2.05	10.0	6.3
	Sep/Oct 2009	10	ASTM-D 1946	2.24	7.2	5.8
		15	ASTM-D 1946	2.33	1.8	10
		20	ASTM-D 1946	2.33	1.7	11
		25	ASTM-D 1946	2.29	1.8	11
		30	ASTM-D 1946	2.42	2.1	11
		30 Dup	ASTM-D 1946	2.52	1.8	12
		35	ASTM-D 1946	2.24	1.6	11
		40	ASTM-D 1946	2.38	1.7	11
		45	ASTM-D 1946	2.33	1.8	11
		50	ASTM-D 1946	2.24	2.3	10
		55	ASTM-D 1946	2.42	2.1	11
		60	ASTM-D 1946	2.33	4.8	8
VW-127	May 2005	5	ASTM-D 1945	2.09	15.0	1.4
		10	ASTM-D 1945	2.33	15.0	0.6
		15	ASTM-D 1945	2.24	13.0	0.5
		20	ASTM-D 1945	2.16	9.7	1.4
		30	ASTM-D 1945	2.13	6.6	0.0
		40	ASTM-D 1945	2.16	4.4	5.3
		50	ASTM-D 1945	2.29	3.5	9.3

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TABLE 2-8d. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, FIXED GASES
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Method	Dilution Factor	Oxygen %	Carbon Dioxide %
VW-127	September 2005	5	ASTM-D 1945	2.24	13.0	4.0
		10	ASTM-D 1945	2.20	14.0	2.4
		15	ASTM-D 1945	2.29	14.0	2.3
		20	ASTM-D 1945	2.20	14.0	3.1
		30	ASTM-D 1945	2.38	10.0	2.7
		40	ASTM-D 1945	2.20	7.8	6.6
		40 Dup	ASTM-D 1945	2.20	7.9	6.6
		50	ASTM-D 1945	2.20	5.3	8.1
	October 2005	20	ASTM-D 1945	2.16	21.0	1.0
		30	ASTM-D 1945	2.14	19.0	1.0
		40	ASTM-D 1945	2.20	19.0	1.6
		50	ASTM-D 1945	2.05	15.0	5.6
	Nov/Dec 2006	5	ASTM-D 1946	2.16	18.0	2.3
		10	ASTM-D 1946	2.09	27.0 R	1.2 R
		15	ASTM-D 1946	2.09	20.0	1.8
		20	ASTM-D 1946	2.13	15.0	2.7
		30	ASTM-D 1946	2.20	13.0	3.1
		40	ASTM-D 1946	2.13	6.9	7.0
		50	ASTM-D 1946	2.16	5.3	8.7
	April 2008	5	ASTM-D 1946	2.38	2.1	4.1
		10	ASTM-D 1946	2.53	1.9	4.9
		15	ASTM-D 1946	2.58	9.4	2.3
		20	ASTM-D 1946	2.64	11.0	2.4
		30	ASTM-D 1946	2.38	11.0	2.4
		40	ASTM-D 1946	2.42	9.2	5.4
		50	ASTM-D 1946	2.33	6.3	7.8
	September 2008	5	ASTM-D 1946	2.53	2.0	5.3
		10	ASTM-D 1946	2.42	5.2	7.1
		15	ASTM-D 1946	3.86	5.8	8.0
		20	ASTM-D 1946	2.47	13.0	3.4
		30	ASTM-D 1946	2.24	14.0	2.3
		40	ASTM-D 1946	2.33	13.0	3.9
		50	ASTM-D 1946	2.20	11.0	5.6
	December 2008	5	ASTM-D 1946	2.24	8.9	5.7
		10	ASTM-D 1946	2.16	9.2	6.0
		15	ASTM-D 1946	2.13	10.0	6.2
		20	ASTM-D 1946	2.33	11.0	4.2
		30	ASTM-D 1946	2.16	12.0	3.1
		40	ASTM-D 1946	2.09	10.0	7.1
		40 Dup	ASTM-D 1946	2.05	10.0	7.0
		50	ASTM-D 1946	2.05	9.7	7.8

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TABLE 2-8d. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, FIXED GASES
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Method	Dilution Factor	Oxygen %	Carbon Dioxide %
VW-127	Sep/Oct 2009	5	ASTM-D 1946	2.42	8.2	7.8
		10	ASTM-D 1946	6.34	8.9	6
		15	ASTM-D 1946	5.95	14	4.3
		20	ASTM-D 1946	2.24	9.2	5.2
		30	ASTM-D 1946	2.29	8.3	4.8
		40	ASTM-D 1946	2.42	6.9	6.2
		40 Dup	ASTM-D 1946	4.96	7.7	6.4
		50	ASTM-D 1946	18.5	5.4	5.9
VW-128	April 2005	5	ASTM-D 1945	2.33	18.0	0.0
		10	ASTM-D 1945	2.47	19.0	0.0
		15	ASTM-D 1945	2.53	18.0	0.0
		20	ASTM-D 1945	2.42	12.0	0.3
		30	ASTM-D 1945	2.42	10.0	3.2
		40	ASTM-D 1945	2.20	7.6	5.1
		50	ASTM-D 1945	2.64	5.8	7.5
		50 Dup	ASTM-D 1945	2.42	5.8	7.5
	September 2005	5	ASTM-D 1945	2.29	15.0	2.6
		10	ASTM-D 1945	2.42	18.0	1.8
		15	ASTM-D 1945	2.33	18.0	2.2
		20	ASTM-D 1945	2.29	16.0	1.8
		30	ASTM-D 1945	2.84	19.0	3.6
		40	ASTM-D 1945	2.20	10.0	5.6
		40 Dup	ASTM-D 1945	2.24	10.0	5.7
		50	ASTM-D 1945	2.24	8.2	6.9
	October 2005	20	ASTM-D 1945	2.16	19.0	1.9
		30	ASTM-D 1945	2.05	16.0	3.8
		40	ASTM-D 1945	2.02	16.0	3.6
		50	ASTM-D 1945	2.09	12.0	6.6
		50 Dup	ASTM-D 1945	2.01	14.0	5.5
	June/July 2006	5	ASTM-D 1945	2.58	17.0	3.9
		10	ASTM-D 1945	2.47	19.0	2.4
		15	ASTM-D 1945	2.64	19.0	1.9
		20	ASTM-D 1945	2.24	18.0	0.7
		30	ASTM-D 1945	2.29	18.0	1.6
		40	ASTM-D 1945	2.38	16.0	3.5
		50	ASTM-D 1945	2.58	14.0	5.2
		50 Dup	ASTM-D 1945	2.20	14.0	5.3
	Nov/Dec 2006	5	ASTM-D 1945	2.13	19.0	0.9
		10	ASTM-D 1945	2.09	20.0	0.9
		15	ASTM-D 1945	2.20	16.0	1.4
		20	ASTM-D 1945	2.09	12.0	1.6
		20 Dup	ASTM-D 1945	2.33	12.0	1.5
		30	ASTM-D 1945	2.20	10.0	2.7
		40	ASTM-D 1945	2.29	7.0	5.5
		50	ASTM-D 1945	2.58	6.2	6.9
		50 Dup	ASTM-D 1945	2.09	6.2	6.9

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TABLE 2-8d. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, FIXED GASES
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Method	Dilution Factor	Oxygen %	Carbon Dioxide %
VW-128	June/July 2007	5	ASTM-D 1945	2.33	17.0	3.3
		10	ASTM-D 1945	2.38	18.0	2.0
		15	ASTM-D 1945	2.42	19.0	1.7
		20	ASTM-D 1945	2.29	16.0	2.2
		30	ASTM-D 1945	2.42	13.0	3.9
		40	ASTM-D 1945	2.58	8.7	5.8
		50	ASTM-D 1945	2.47	6.8	6.7
	April 2008	5	ASTM-D 1945	2.29	19.0	0.7
		10	ASTM-D 1945	2.09	21.0 J	0.052 J
		15	ASTM-D 1945	2.64	19.0	0.4
		20	ASTM-D 1945	2.38	16.0	1.3
		30	ASTM-D 1945	2.02	17.0	1.8
		40	ASTM-D 1945	2.38	9.4	4.8
		50	ASTM-D 1945	2.09	10.0	4.7
		50 Dup	ASTM-D 1945	2.09	11.0	4.7
	September 2008	5	ASTM-D 1946	CANCELLED		
		10	ASTM-D 1946	CANCELLED		
		15	ASTM-D 1946	2.24	18.0	1.4
		20	ASTM-D 1946	2.24	17.0	1.0
		30	ASTM-D 1946	2.24	17.0	1.9
		40	ASTM-D 1946	2.29	15.0	3.3
		50	ASTM-D 1946	2.33	13.0	5.3
	December 2008	5	ASTM-D 1946	2.24	19.0	1.1
		10	ASTM-D 1946	2.24	19.0	0.9
		15	ASTM-D 1946	2.13	18.0	1.6
		20	ASTM-D 1946	2.20	16.0	1.4
		30	ASTM-D 1946	2.24	15.0	3.0
		40	ASTM-D 1946	2.24	12.0	4.9
		50	ASTM-D 1946	2.20	10.0	6.4
	Sep/Oct 2009	5	ASTM-D 1946	2.37	17	3
		10	ASTM-D 1946	2.13	11	4.7
		15	ASTM-D 1946	2.24	18	2.2
		20	ASTM-D 1946	2.20	16	1.8
		30	ASTM-D 1946	2.30	15	3.4
		40	ASTM-D 1946	2.30	12	4.6
		50	ASTM-D 1946	2.30	8.8	6.2
VW-129	April 2005	5	ASTM-D 1945	2.53	15.0	2.2
		10	ASTM-D 1945	2.42	16.0	1.7
		15	ASTM-D 1945	2.82	14.0	3.2
		20	ASTM-D 1945	2.33	15.0	2.6
		30	ASTM-D 1945	2.16	15.0	3.2
		40	ASTM-D 1945	2.38	15.0	3.1
		50	ASTM-D 1945	2.47	16.0	0.2
		50 Dup	ASTM-D 1945	2.53	15.0	3.3

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TABLE 2-8d. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, FIXED GASES
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Method	Dilution Factor	Oxygen %	Carbon Dioxide %
VW-129	June/July 2006	5	ASTM-D 1945	2.33	16.0	3.1
		10	ASTM-D 1945	2.29	16.0	2.6
		15	ASTM-D 1945	2.64	16.0	2.5
		20	ASTM-D 1945	3.46	15.0	2.6
		30	ASTM-D 1945	2.47	16.0	3.3
		40	ASTM-D 1945	2.69	16.0	3.6
		50	ASTM-D 1945	2.13	16.0	3.8
	June/July 2007	5	ASTM-D 1945	2.64	16.0	3.3
		10	ASTM-D 1945	2.24	16.0	2.8
		15	ASTM-D 1945	2.58	17.0	2.9
		20	ASTM-D 1945	2.38	16.0	3.0
		30	ASTM-D 1945	2.53	16.0	3.2
		40	ASTM-D 1945	2.47	16.0	3.4
		40 Dup	ASTM-D 1945	2.53	16.0	3.3
		50	ASTM-D 1945	2.38	16.0	3.6
	April 2008	5	ASTM-D 1945	2.53	19.0	1.6
		10	ASTM-D 1945	2.58	18.0	1.9
		15	ASTM-D 1945	2.47	18.0	2.2
		20	ASTM-D 1945	2.33	18.0	2.5
		30	ASTM-D 1945	2.24	17.0	3.0
		40	ASTM-D 1945	2.38	16.0	3.2
		50	ASTM-D 1945	2.47	16.0	3.1
	September 2008	5	ASTM-D 1946	2.53	17.0	3.5
		10	ASTM-D 1946	2.58	17.0	3.0
		15	ASTM-D 1946	2.38	17.0	2.9
		20	ASTM-D 1946	2.47	16.0	2.8
		20 Dup	ASTM-D 1946	2.42	17.0	2.7
		30	ASTM-D 1946	2.38	17.0	3.1
		40	ASTM-D 1946	4.22	17.0	3.1
		50	ASTM-D 1946	5.11	17.0	3.2
		50 Dup	ASTM-D 1946	2.53	16.0	3.4
	December 2008	5	ASTM-D 1946	2.33	17.0	1.6
		10	ASTM-D 1946	2.16	17.0	2.6
		15	ASTM-D 1946	2.24	17 J	2.8 J
		20	ASTM-D 1946	2.13	17.0	3.1
		30	ASTM-D 1946	2.20	17.0	3.3
		40	ASTM-D 1946	2.29	16.0	3.1
		50	ASTM-D 1946	2.09	16.0	3.3
	Sep/Oct 2009	5	ASTM-D 1946	2.42	16	3
		10	ASTM-D 1946	2.39	16	3.1
		15	ASTM-D 1946	2.48	16	3.1
		20	ASTM-D 1946	2.39	16	3.1
		30	ASTM-D 1946	2.64	16	3.2
		40	ASTM-D 1946	2.42	16	3.2
		50	ASTM-D 1946	2.48	16	3.4
		50 Dup	ASTM-D 1946	2.44	16	3.3

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TABLE 2-8d. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, FIXED GASES
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Method	Dilution Factor	Oxygen %	Carbon Dioxide %
VW-130	April 2005	5	ASTM-D 1945	2.76	18.0	0.4
		10	ASTM-D 1945	2.42	18.0	0.3
		15	ASTM-D 1945	2.42	18.0	0.9
		20	ASTM-D 1945	2.58	24.0 R	0.85 R
		20	ASTM-D 1945	2.20	19.0	1.4
		30	ASTM-D 1945	2.53	15.0	1.6
		30 Dup	ASTM-D 1945	2.58	15.0	1.6
		40	ASTM-D 1945	2.76	21.0	1.9
		40	ASTM-D 1945	2.58	14.0	3.5
		50	ASTM-D 1945	2.53	14.0	3.7
	April 2008	5	ASTM-D 1945	2.42	18.0	1.7
		10	ASTM-D 1945	2.33	19.0	1.4
		15	ASTM-D 1945	2.33	19.0	1.4
		20	ASTM-D 1945	1.00	19.0	1.6
		30	ASTM-D 1945	1.00	16.0	1.4
		40	ASTM-D 1945	2.38	15.0	2.2
		40 Dup	ASTM-D 1945	2.42	16.0	2.2
	September 2008	5	ASTM-D 1946	2.33	17.0	5.0
		10	ASTM-D 1946	2.20	16.0	5.4
		15	ASTM-D 1946	2.20	16.0	4.8
		20	ASTM-D 1946	2.20	16.0	4.5
		30	ASTM-D 1946	2.33	16.0	1.4
		40	ASTM-D 1946	2.53	15.0	2.4
		40 Dup	ASTM-D 1946	2.53	15.0	2.4
	December 2008	5	ASTM-D 1946	2.20	18.0	2.9
		10	ASTM-D 1946	2.05	18.0	2.9
		15	ASTM-D 1946	2.13	18.0	3.3
		20	ASTM-D 1946	2.16	17.0	3.2
		30	ASTM-D 1946	2.05	16.0	1.6
		40	ASTM-D 1946	2.53	16.0	2.5
		40 Dup	ASTM-D 1946	2.42	15.0	2.5
	Sep/Oct 2009	5	ASTM-D 1946	2.37	15	4.5
		10	ASTM-D 1946	2.35	15	4.6
		15	ASTM-D 1946	2.28	15	4.6
		20	ASTM-D 1946	2.39	16	3.9
		30	ASTM-D 1946	2.33	16	1.8
		40	ASTM-D 1946	2.68	15	2.5
		40 Dup	ASTM-D 1946	2.71	15	2.4
VW-139	July 2009	5	ASTM-D 1946	2.47	16	6.6
		10	ASTM-D 1946	2.29	16	4.4
		15	ASTM-D 1946	2.33	12	4.7
		20	ASTM-D 1946	2.38	12	5
		30	ASTM-D 1946	2.33	11	5.7

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TABLE 2-8d. NESTED WELL SOIL VAPOR ANALYTICAL RESULTS SUMMARY, FIXED GASES
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Well Location	Date	Depth ft-bgs	Method	Dilution Factor	Oxygen %	Carbon Dioxide %
VW-139	Sep/Oct 2009	5	ASTM-D 1946	2.23	14	4.8
		10	ASTM-D 1946	2.30	13	4.1
		15	ASTM-D 1946	2.28	10	5.3
		20	ASTM-D 1946	4.38	14	5
		30	ASTM-D 1946	2.31	9.3	6.7
		40	ASTM-D 1946	2.52	1.6	5.8
		40 Dup	ASTM-D 1946	2.42	1.5	5.8

NOTES:
J – estimated concentration
R – Value has been rejected and should not be used for qualitative or quantitative purposes
ASU-GC - Analyzed by Arizona State University using Gas Chromatography

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TABLE 2-9a. OUTDOOR AIR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Sample ID	Date	Dilution Factor	n-Butylbenzene mg/m^3	sec-Butylbenzene mg/m^3	Isopropylbenzene mg/m^3	n-Propylbenzene mg/m^3	1,2-Dichloroethane mg/m^3	1,2-Dibromoethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethylbenzene mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclohexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	1,3,5-Trimethylbenzene mg/m^3	1,2,4-Trimethylbenzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyltoluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3
CHI2-OA2	3/22/05	1.61	--	--	ND(0.004)	ND(0.004)	ND(0.00065)	ND(0.0012)	ND(0.0029)	ND(0.017)	0.0011	0.0019	ND(0.0007)	0.0014	ND(0.0007)	ND(0.0028)	ND(0.0028)	ND(0.0033)	ND(0.00068)	ND(0.00079)	ND(0.00079)	ND(0.0018)	ND(0.004)	--	--	--
	3/23/05	1.58	--	--	ND(0.0039)	ND(0.0039)	ND(0.00064)	ND(0.0012)	ND(0.0028)	ND(0.016)	0.0011	0.0024	ND(0.00069)	0.0013	ND(0.00069)	ND(0.0027)	ND(0.0028)	ND(0.0032)	ND(0.00067)	ND(0.00078)	ND(0.00078)	ND(0.0017)	ND(0.0039)	--	--	--
	3/24/05	1.58	--	--	ND(0.0039)	ND(0.0039)	ND(0.00064)	ND(0.0012)	ND(0.0028)	ND(0.016)	0.0009	0.0014	ND(0.00069)	ND(0.00069)	ND(0.00069)	ND(0.0027)	ND(0.0028)	ND(0.0032)	ND(0.00067)	ND(0.00078)	ND(0.00078)	ND(0.0017)	ND(0.0039)	--	--	--
	3/25/05	1.91	--	--	ND(0.0047)	ND(0.0047)	ND(0.00077)	ND(0.0015)	ND(0.0034)	ND(0.02)	0.0015	0.0026	ND(0.00083)	0.0018	ND(0.00083)	ND(0.0033)	ND(0.0034)	ND(0.0039)	ND(0.00081)	ND(0.00094)	ND(0.00094)	ND(0.0021)	ND(0.0047)	--	--	--
	3/26/05	1.68	--	--	ND(0.0041)	ND(0.0041)	ND(0.00068)	ND(0.0013)	ND(0.003)	ND(0.018)	0.0024	0.0044	0.0012	0.0028	0.0011	ND(0.0029)	ND(0.003)	ND(0.0034)	ND(0.00072)	ND(0.00082)	0.0008 J	ND(0.0018)	ND(0.0041)	--	--	--
	3/28/05	1.87	--	--	ND(0.0046)	ND(0.0046)	ND(0.00076)	ND(0.0014)	ND(0.0034)	ND(0.02)	0.0012	0.003	ND(0.00081)	0.0011	ND(0.00081)	ND(0.0032)	ND(0.0033)	ND(0.0038)	ND(0.0008)	ND(0.00092)	ND(0.00092)	ND(0.0021)	ND(0.0046)	--	--	--
	3/29/05	1.68	--	--	ND(0.0041)	ND(0.0041)	ND(0.00068)	ND(0.0013)	ND(0.003)	ND(0.018)	0.0024	0.0022	ND(0.00073)	0.0014	ND(0.00073)	ND(0.0029)	ND(0.003)	ND(0.0034)	ND(0.00072)	ND(0.00082)	ND(0.00082)	ND(0.0018)	ND(0.0041)	--	--	--
	3/30/05	1.79	--	--	ND(0.0044)	ND(0.0044)	ND(0.00072)	ND(0.0014)	ND(0.0032)	ND(0.019)	0.00061	0.0011	ND(0.00078)	ND(0.00078)	ND(0.00078)	ND(0.0031)	ND(0.0032)	ND(0.0037)	ND(0.00076)	ND(0.00088)	ND(0.00088)	ND(0.002)	ND(0.0044)	--	--	--
	4/1/05	1.68	--	--	ND(0.0041)	ND(0.0041)	ND(0.00068)	ND(0.0013)	ND(0.003)	ND(0.018)	0.0013	0.022	ND(0.00073)	0.0017	ND(0.00073)	ND(0.0029)	ND(0.003)	ND(0.0034)	ND(0.00072)	ND(0.00082)	ND(0.00082)	ND(0.0018)	ND(0.0041)	--	--	--
	4/2/05	2.36	--	--	ND(0.0058)	ND(0.0058)	ND(0.00096)	ND(0.0018)	ND(0.0042)	ND(0.025)	ND(0.00075)	ND(0.00089)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0041)	ND(0.0042)	ND(0.0048)	ND(0.001)	ND(0.0012)	ND(0.0012)	ND(0.0026)	ND(0.0058)	--	--	--
	4/4/05	1.79	--	--	ND(0.0044)	ND(0.0044)	ND(0.00072)	ND(0.0014)	ND(0.0032)	ND(0.019)	0.001	0.0015	ND(0.00078)	0.0013	ND(0.00078)	ND(0.0031)	ND(0.0032)	ND(0.0037)	0.0009 J	ND(0.00088)	ND(0.00088)	0.0043	ND(0.0044)	--	--	--
	4/4/05 Dup	1.79	--	--	ND(0.0044)	ND(0.0044)	ND(0.00072)	ND(0.0014)	ND(0.0032)	ND(0.019)	0.001	0.0014	ND(0.00078)	0.00095	ND(0.00078)	ND(0.0031)	ND(0.0032)	ND(0.0037)	0.00081 J	ND(0.00088)	ND(0.00088)	0.0042	ND(0.0044)	--	--	--
	4/5/05	1.79	--	--	ND(0.0044)	ND(0.0044)	ND(0.00072)	ND(0.0014)	ND(0.0032)	ND(0.019)	0.00085	0.0014	ND(0.00078)	0.0009	ND(0.00078)	ND(0.0031)	ND(0.0032)	ND(0.0037)	0.0013 J	ND(0.00088)	ND(0.00088)	ND(0.002)	ND(0.0044)	--	--	--
	4/6/05	1.58	--	--	ND(0.0039)	ND(0.0039)	ND(0.00064)	ND(0.0012)	ND(0.0028)	ND(0.016)	0.0015	0.0026	0.00082	0.0023	0.00074	0.0032	0.0039	0.0047	0.002 J	ND(0.00078)	ND(0.00078)	0.0064	ND(0.0039)	--	--	--
	4/7/05	1.71	--	--	ND(0.0042)	ND(0.0042)	ND(0.00069)	ND(0.0013)	ND(0.0031)	ND(0.018)	0.00094	0.0018	ND(0.00074)	0.0013	ND(0.00074)	ND(0.0029)	ND(0.003)	ND(0.0035)	0.00081 J	ND(0.00084)	ND(0.00084)	ND(0.0019)	ND(0.0042)	--	--	--
	4/8/05	1.75	--	--	ND(0.0043)	ND(0.0043)	ND(0.00071)	ND(0.0013)	ND(0.0032)	ND(0.018)	0.00099	0.0018	ND(0.00076)	0.001	ND(0.00076)	ND(0.003)	ND(0.0031)	ND(0.0036)	ND(0.00074)	ND(0.00086)	ND(0.00086)	ND(0.0019)	ND(0.0043)	--	--	--
	4/9/05	2.01	--	--	ND(0.0049)	ND(0.0049)	ND(0.00081)	ND(0.0015)	ND(0.0036)	ND(0.021)	0.0012	0.0018	ND(0.00087)	0.0011	ND(0.00087)	ND(0.0034)	ND(0.0035)	ND(0.0041)	ND(0.00086)	ND(0.00099)	ND(0.00099)	ND(0.0022)	ND(0.0049)	--	--	--
	4/11/05	1.79	--	--	ND(0.0044)	ND(0.0044)	ND(0.00072)	ND(0.0014)	ND(0.0032)	ND(0.019)	0.0014	0.0023	ND(0.00078)	0.0011	ND(0.00078)	ND(0.0031)	ND(0.0032)	ND(0.0037)	ND(0.00076)	ND(0.00088)	ND(0.00088)	ND(0.002)	ND(0.0044)	--	--	--
	4/12/05	1.68	--	--	ND(0.0041)	ND(0.0041)	ND(0.00068)	ND(0.0013)	ND(0.003)	ND(0.018)	0.0016	0.0033	ND(0.00073)	0.002	0.00069 J	ND(0.0029)	ND(0.003)	ND(0.0034)	ND(0.00072)	ND(0.00082)	ND(0.00082)	ND(0.0018)	ND(0.0041)	--	--	--
	4/13/05	1.75	--	--	ND(0.0043)	ND(0.0043)	ND(0.00071)	ND(0.0013)	0.018	ND(0.018)	0.0032	0.013	0.002	0.0059	0.0032	ND(0.003)	ND(0.0031)	ND(0.0036)	ND(0.00074)	0.00096	0.0032	ND(0.0019)	ND(0.0043)	--	--	--
	4/14/05	2.12	--	--	ND(0.0052)	ND(0.0052)	ND(0.00086)	ND(0.0016)	ND(0.0038)	ND(0.022)	0.00094	0.0016	ND(0.00092)	ND(0.00092)	ND(0.00092)	ND(0.0036)	ND(0.0037)	ND(0.0043)	ND(0.0009)	ND(0.001)	ND(0.001)	ND(0.0023)	ND(0.0052)	--	--	--
	4/14/05 Dup	1.75	--	--	ND(0.0043)	ND(0.0043)	ND(0.00071)	ND(0.0013)	ND(0.0032)	ND(0.018)	0.00094	0.0014	ND(0.00076)	0.0008	ND(0.00076)	ND(0.003)	ND(0.0031)	ND(0.0036)	ND(0.00074)	ND(0.00086)	ND(0.00086)	ND(0.0019)	ND(0.0043)	--	--	--
	4/15/05	2.23	--	--	ND(0.0055)	ND(0.0055)	ND(0.0009)	ND(0.0017)	ND(0.004)	ND(0.023)	0.0009	0.0019	ND(0.00097)	ND(0.00097)	ND(0.00097)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.00095)	ND(0.0011)	ND(0.0011)	ND(0.0025)	ND(0.0055)	--	--	--
	5/3/05	2.23	--	--	ND(0.0055)	ND(0.0055)	ND(0.0009)	ND(0.0017)	ND(0.004)	ND(0.023)	ND(0.00071)	ND(0.00084)	ND(0.00097)	ND(0.00097)	ND(0.00097)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.00095)	ND(0.0011)	ND(0.0011)	ND(0.0025)	ND(0.0055)	--	--	--
	5/4/05 Dup	4.44	--	--	ND(0.011)	ND(0.011)	ND(0.0018)	ND(0.0034)	ND(0.008)	ND(0.046)	ND(0.0014)	0.0021	ND(0.0019)	ND(0.0019)	ND(0.0019)	ND(0.0076)	ND(0.0078)	ND(0.0091)	ND(0.0019)	ND(0.0022)	ND(0.0022)	ND(0.0049)	ND(0.011)	--	--	--
	5/11/05	2.12	--	--	ND(0.0052)	ND(0.0052)	ND(0.00086)	ND(0.0016)	ND(0.0038)	ND(0.022)	ND(0.00068)	0.028	ND(0.00092)	ND(0.00092)	ND(0.00092)	ND(0.0036)	ND(0.0037)	ND(0.0043)	ND(0.0009)	ND(0.001)	ND(0.001)	ND(0.0023)	ND(0.0052)	--	--	--
HOO8-OA1	3/22/05	1.68	--	--	ND(0.0041)	ND(0.0041)	ND(0.00068)	ND(0.0013)	ND(0.003)	ND(0.018)	0.00087	0.0028	ND(0.00073)	0.0013	ND(0.00073)	ND(0.0029)	ND(0.003)	ND(0.0034)	ND(0.00072)	ND(0.00082)	ND(0.00082)	ND(0.0018)	ND(0.0041)	--	--	--
	3/23/05	1.61	--	--	ND(0.004)	ND(0.004)	ND(0.00065)	ND(0.0012)	ND(0.0029)	ND(0.017)	0.0009	0.0015	ND(0.0007)	0.0008	ND(0.0007)	ND(0.0028)	ND(0.0028)	ND(0.0033)	ND(0.00068)	ND(0.00079)	ND(0.00079)	ND(0.0018)	ND(0.004)	--	--	--
	3/24/05	1.68	--	--	ND(0.0041)	ND(0.0041)	ND(0.00068)	ND(0.0013)	ND(0.003)	ND(0.018)	0.00066	0.0015	ND(0.00073)	ND(0.00073)	ND(0.00073)	ND(0.0029)	ND(0.003)	ND(0.0034)	ND(0.00072)	ND(0.00082)	ND(0.00082)	ND(0.0018)	ND(0.0041)	--	--	--
	3/25/05	1.55	--	--	ND(0.0038)	ND(0.0038)	ND(0.00063)	ND(0.0012)	ND(0.0028)	ND(0.016)	0.0017	0.0026	ND(0.00067)	0.0017	ND(0.00067)	ND(0.0027)	ND(0.0027)	ND(0.0032)	ND(0.00066)	ND(0.00076)	0.002	ND(0.0017)	ND(0.0038)	--	--	--
	3/26/05	1.68	--	--	ND(0.0041)	ND(0.0041)	ND(0.00068)	ND(0.0013)	ND(0.003)	ND(0.018)	0.0012	0.002	ND(0.00073)	0.0011	ND(0.00073)	ND(0.0029)	ND(0.003)	ND(0.0034)	ND(0.00072)	ND(0.00082)	ND(0.00082)	ND(0.0018)	ND(0.0041)	--	--	--
	3/28/05	1.79	--	--	ND(0.0044)	ND(0.0044)	ND(0.00072)	ND(0.0014)	ND(0.0032)	ND(0.019)	0.0011	0.0022	ND(0.00078)	0.0012	ND(0.00078)	ND(0.0031)	ND(0.0032)	ND(0.0037)	ND(0.00076)	ND(0.00088)	ND(0.00088)	ND(0.002)	ND(0.0044)	--	--	--
	3/29/05	1.75	--	--	ND(0.0043)	ND(0.0043)	ND(0.00071)	ND(0.0013)	ND(0.0032)	ND(0.018)	0.0011	0.0018	ND(0.00076)	0.00092	ND(0.00076)	ND(0.003)	ND(0.0031)	ND(0.0036)	ND(0.00074)	ND(0.00086)	ND(0.00086)	0.0029	ND(0.0043)	--	--	--
	3/30/05	1.79	--	--	ND(0.0044)	ND(0.0044)	ND(0.00072)	ND(0.0014)	ND(0.0032)	ND(0.019)	0.00077	0.00098	ND(0.00078)	ND(0.00078)	ND(0.00078)	ND(0.0031)	ND(0.0032)	ND(0.0037)	ND(0.00076)	ND(0.00088)	ND(0.00088)	ND(0.002)	ND(0.0044)	--	--	--
	3/30/05 Dup	1.41	--	--	ND(0.0035)	ND(0.0035)	ND(0.00057)	ND(0.0011)	ND(0.0025)	ND(0.015)	0.00087	0.0013	ND(0.00061)	0.00078	ND(0.00061)	ND(0.0024)	ND(0.0025)	ND(0.0029)	ND(0.0006)	ND(0.00069)	ND(0.00069)	ND(0.0016)	ND(0.0035)	--	--	--
	3/31/05	1.68	--	--	ND(0.0041)	ND(0.0041)	ND(0.00068)	ND(0.0013)	ND(0.003)	ND(0.018)	ND(0.00054)	ND(0.00063)	ND(0.00073)	ND(0.00073)	ND(0.00073)	ND(0.0029)	ND(0.003)	ND(0.0034)	ND(0.00072)	ND(0.00082)	ND(0.00082)	ND(0.0018)	ND(0.0041)	--	--	--
	4/1/05	1.83	--	--	ND(0.0045)	ND(0.0045)	ND(0.00074)	ND(0.0014)	ND(0.0033)	ND(0.019)	0.00089	0.018	ND(0.00079)	0.00093	ND(0.00079)	ND(0.0031)	ND(0.0032)	ND(0.0037)	ND(0.00078)	ND(0.0009)	ND(0.0009)	ND(0.002)	ND(0.0045)	--	--	--
	4/2/05	2.06	--	--	ND(0.0051)	ND(0.0051)	ND(0.00083)	ND(0.0016)	ND(0.0037)	ND(0.022)	ND(0.00066)	ND(0.00078)	ND(0.00089)	ND(0.00089)	ND(0.00089)	ND(0.0035)	ND(0.0036)	ND(0.0042)	ND(0.00088)	ND(0.001)	ND(0.001)	ND(0.0023)	ND(0.0051)	--	--	--
	4/4/05	2.01	--	--	ND(0.0049)	ND(0.0049)	ND(0.00081)	ND(0.0015)	ND(0.0036)	ND(0.021)	0.00098	0.0013	ND(0.00087)	ND(0.00087)	ND(0.00087)	ND(0.0034)	ND(0.0035)	ND(0.0041)	ND(0.00086)	ND(0.00099)	ND(0.00099)	0.0041	ND(0.0049)	--	--	--
	4/5/05	1.83	--	--	ND(0.0045)	ND(0.0045)	ND(0.00074)	ND(0.0014)	ND(0.0033)	ND(0.019)	0.0009	0.0014	ND(0.00079)	ND(0.00079)	ND(0.00079)	ND(0.0031)	ND(0.0032)	ND(0.0037)	0.0018 J	ND(0.0009)	ND(0.0009)	ND(0.002)	ND(0.0045)	--	--	--
	4/6/05	1.64	--	--	ND(0.004)	ND(0.004)	ND(0.00066)	ND(0.0013)	ND(0.003)	ND(0.017)	0.0013	0.0026	0.00076	0.0021	0.00083	ND(0.0028)	ND(0.0029)	ND(0.0034)	0.0038 J	ND(0.00081)	0.00095	0.034	ND(0.004)	--	--	--
	4/7/05	2.06	--	--	ND(0.0051)	ND(0.0051)	ND(0.00083)	ND(0.0016)	ND(0.0037)	ND(0.022)	0.00099	0.0016	ND(0.00089)	0.0012	ND(0.00089)	ND(0.0035)	ND(0.0036)	ND(0.0042)	ND(0.00088)	ND(0.001)	ND(0.001)	ND(0.0023)	ND(0.0051)	--	--	--
	4/8/05	1.75	--	--	ND(0.0043)	ND(0.0043)	ND(0.00071)	ND(0.0013)	ND(0.0032)	ND(0.018)	0.00066	0.0011	ND(0.00076)	ND(0.00076)	ND(0.00076)	ND(0.003)	ND(0.0031)	ND(0.0036)	ND(0.00074)	ND(0.00086)	ND(0.00086)	ND(0.0019)	ND(0.0043)	--	--	--
	4/9/05	2.06	--	--	ND(0.0051)	ND(0.0051)	ND(0.00083)	ND(0.0016)	ND(0.0037)	ND(0.022)	0.00091	0.0014	ND(0.00089)	ND(0.00089)	ND(0.00089)	ND(0.0035)	ND(0.0036)	ND(0.0042)	ND(0.00088)	ND(0.001)	ND(0.001)	ND(0.0023)	ND(0.0051)	--	--	--
	4/11/05	2.06	--	--	ND(0.0051)	ND(0.0051)	ND(0.00083)	ND(0.0016)	ND(0.0037)	ND(0.022)	0.0012	0.0026	ND(0.00089)	0.0011	ND(0.00089)	ND(0.0035)	ND(0.0036)	ND(0.0042)	ND(0.00088)	ND(0.001)	ND(0.001)	ND(0.0023)	ND(0.0051)	--	--	--
	4/13/05	1.68	--	--	ND(0.0041)	ND(0.0041)	ND(0.00068)	ND(0.0013)	ND(0.003)	ND(0.018)	0.0014	0.0032	ND(0.00073)	0.0013	ND(0.00073)	ND(0.0029)	ND(0.003)	ND(0.0034)	ND(0.00072)	ND(0.00082)	ND(0.00082)	ND(0.0018)	ND(0.0041)	--	--	--

US EPA ARCHIVE DOCUMENT

TABLE 2-9a. OUTDOOR AIR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Sample ID	Date	Dilution Factor	n-Butylbenzene mg/m^3	sec-Butylbenzene mg/m^3	Isopropylbenzene mg/m^3	n-Propylbenzene mg/m^3	1,2-Dichloroethane mg/m^3	1,2-Dibromoethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethylbenzene mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclohexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	1,3,5-Trimethylbenzene mg/m^3	1,2,4-Trimethylbenzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyltoluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3
HOO8-OA1	4/13/05 Dup	1.83	--	--	ND(0.0045)	ND(0.0045)	ND(0.00074)	ND(0.0014)	ND(0.0033)	ND(0.019)	0.0012	0.001	ND(0.00079)	ND(0.00079)	ND(0.00079)	ND(0.0031)	ND(0.0032)	ND(0.0037)	ND(0.00078)	ND(0.0009)	ND(0.0009)	ND(0.002)	ND(0.0045)	--	--	--
	4/14/05	1.71	--	--	ND(0.0042)	ND(0.0042)	ND(0.00069)	ND(0.0013)	ND(0.0031)	ND(0.018)	0.00082	0.0014	ND(0.00074)	0.00079	ND(0.00074)	ND(0.0029)	ND(0.003)	ND(0.0035)	ND(0.00073)	ND(0.00084)	ND(0.00084)	ND(0.0019)	ND(0.0042)	--	--	--
	4/15/05	2.30	--	--	ND(0.0056)	ND(0.0056)	ND(0.00093)	ND(0.0018)	ND(0.0041)	ND(0.024)	0.0024	0.0044	0.00097 J	0.0027	0.0012	ND(0.004)	ND(0.004)	ND(0.0047)	ND(0.00098)	ND(0.0011)	0.0013	ND(0.0025)	ND(0.0056)	--	--	--
	5/3/05	2.30	--	--	ND(0.0056)	ND(0.0056)	ND(0.00093)	ND(0.0018)	ND(0.0041)	ND(0.024)	ND(0.00073)	ND(0.00087)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.004)	ND(0.004)	ND(0.0047)	ND(0.00098)	ND(0.0011)	ND(0.0011)	ND(0.0025)	ND(0.0056)	--	--	--
	5/11/05	2.17	--	--	ND(0.0053)	ND(0.0053)	ND(0.00088)	ND(0.0017)	ND(0.0039)	ND(0.023)	ND(0.00069)	0.044	ND(0.00094)	0.0013	ND(0.00094)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.00092)	ND(0.0011)	0.0011	ND(0.0024)	ND(0.0053)	--	--	--
FIXED	4/18/08	2.06	ND(0.0056)	ND(0.0056)	ND(0.001)	ND(0.001)	ND(0.00083)	ND(0.0016)	ND(0.00074)	ND(0.0054)	ND(0.00066)	ND(0.00078)	ND(0.00089)	ND(0.00089)	ND(0.00089)	ND(0.00071)	ND(0.00073)	ND(0.00084)	ND(0.00088)	ND(0.001)	ND(0.001)	ND(0.00046)	ND(0.001)	--	--	--
	4/19/08	2.17	ND(0.006)	ND(0.006)	ND(0.0011)	ND(0.0011)	ND(0.00088)	ND(0.0017)	ND(0.00078)	ND(0.0057)	0.0019	0.0043	ND(0.00094)	0.0025	ND(0.00094)	ND(0.00075)	0.00095	0.001	ND(0.00092)	ND(0.0011)	ND(0.0011)	ND(0.00048)	0.0011	--	--	--
	4/20/08	2.12	ND(0.0058)	ND(0.0058)	ND(0.001)	ND(0.001)	ND(0.00086)	ND(0.0016)	ND(0.00076)	ND(0.0056)	0.0034	0.002	ND(0.00092)	ND(0.00092)	ND(0.00092)	ND(0.00073)	ND(0.00075)	ND(0.00087)	ND(0.0009)	ND(0.001)	ND(0.001)	ND(0.00047)	ND(0.001)	--	--	--
	4/22/08	1.75	ND(0.0048)	ND(0.0048)	ND(0.00086)	ND(0.00086)	ND(0.00071)	ND(0.0013)	ND(0.00063)	ND(0.0046)	0.00094	0.0018	ND(0.00076)	ND(0.00076)	ND(0.00076)	ND(0.0006)	ND(0.00062)	ND(0.00072)	ND(0.00074)	ND(0.00086)	ND(0.00086)	ND(0.00039)	ND(0.00086)	--	--	--
	4/23/08	1.55	ND(0.0042)	ND(0.0042)	ND(0.00076)	ND(0.00076)	ND(0.00063)	ND(0.0012)	ND(0.00056)	ND(0.0041)	0.0017	0.0053	ND(0.00067)	0.0018	0.00074	ND(0.00053)	0.00063	ND(0.00064)	ND(0.00066)	ND(0.00076)	ND(0.00076)	ND(0.00034)	ND(0.00076)	--	--	--
	4/24/08	1.96	ND(0.0054)	ND(0.0054)	ND(0.00096)	ND(0.00096)	ND(0.00079)	ND(0.0015)	ND(0.00071)	ND(0.0051)	0.00068	0.0014	ND(0.00085)	ND(0.00085)	ND(0.00085)	ND(0.00067)	ND(0.00069)	ND(0.0008)	ND(0.00083)	ND(0.00096)	ND(0.00096)	ND(0.00043)	ND(0.00096)	--	--	--
	4/25/08	1.79	ND(0.0049)	ND(0.0049)	ND(0.00088)	ND(0.00088)	ND(0.00072)	ND(0.0014)	ND(0.00064)	ND(0.0047)	0.0014 J	0.0033 J	0.00079	0.0016	ND(0.00078)	ND(0.00062)	ND(0.00063) J	ND(0.00073)	ND(0.00076)	ND(0.00088)	ND(0.00088)	ND(0.0004)	ND(0.00088)	--	--	--
	4/25/08 Dup	1.52	ND(0.0042)	ND(0.0042)	ND(0.00075)	ND(0.00075)	ND(0.00062)	ND(0.0012)	ND(0.00055)	ND(0.004)	0.00069 J	0.0016 J	ND(0.00066)	ND(0.00066)	ND(0.00066)	ND(0.00052)	0.0019 J	ND(0.00062)	ND(0.00065)	ND(0.00075)	ND(0.00075)	ND(0.00034)	ND(0.00075)	--	--	--
	4/28/08	3.35	ND(0.0092)	ND(0.0092)	ND(0.0016)	ND(0.0016)	ND(0.0014)	ND(0.0026)	ND(0.0012)	ND(0.0088)	ND(0.0011)	ND(0.0013)	ND(0.0014)	0.0015	ND(0.0014)	ND(0.0012)	ND(0.0012)	ND(0.0014)	ND(0.0014)	ND(0.0016)	ND(0.0016)	ND(0.00074)	ND(0.0016)	--	--	--
	12/6/08	1.58	ND(0.0043)	ND(0.0043)	ND(0.00078)	ND(0.00078)	ND(0.00064)	ND(0.0012)	ND(0.00057)	ND(0.0041)	0.00074	0.0011	ND(0.00069)	ND(0.00069)	ND(0.00069)	ND(0.00054)	0.0006	ND(0.00065)	ND(0.00067)	ND(0.00078)	ND(0.00078)	ND(0.00035)	ND(0.00078)	0.0031 J	ND(0.0023)	ND(0.0032)
	12/6/08 Dup	1.61	ND(0.0044)	ND(0.0044)	ND(0.00079)	ND(0.00079)	ND(0.00065)	ND(0.0012)	ND(0.00058)	ND(0.0042)	0.00067	0.001	ND(0.0007)	ND(0.0007)	ND(0.0007)	ND(0.00055)	ND(0.00057)	ND(0.00066)	ND(0.00068)	ND(0.00079)	ND(0.00079)	ND(0.00036)	ND(0.00079)	0.002 J	ND(0.0024)	ND(0.0032)
	12/7/08	1.61	ND(0.0044)	ND(0.0044)	ND(0.00079)	ND(0.00079)	ND(0.00065)	ND(0.0012)	ND(0.00058)	ND(0.0042)	0.0017	0.0027	ND(0.0007)	0.0023	ND(0.0007)	ND(0.00055)	ND(0.00057)	ND(0.00066)	ND(0.00068)	ND(0.00079)	ND(0.00079)	ND(0.00036)	ND(0.00079)	ND(0.0019)	ND(0.0024)	ND(0.0032)
	12/8/08	1.29	ND(0.0035)	ND(0.0035)	ND(0.00063)	ND(0.00063)	ND(0.00052)	ND(0.00099)	ND(0.00046)	ND(0.0034)	0.00091	0.0018	ND(0.00056)	0.00072	ND(0.00056)	ND(0.00044)	0.00054	ND(0.00053)	ND(0.00055)	ND(0.00063)	ND(0.00063)	ND(0.00028)	ND(0.00063)	0.0031	0.0022	ND(0.0026)
	12/9/08	4.47	ND(0.012)	ND(0.012)	ND(0.0022)	ND(0.0022)	ND(0.0018)	ND(0.0034)	ND(0.0016)	ND(0.012)	ND(0.0014)	0.0035	ND(0.0019)	ND(0.0019)	ND(0.0019)	ND(0.0015)	ND(0.0016)	ND(0.0018)	ND(0.0019)	ND(0.0022)	ND(0.0022)	ND(0.00099)	ND(0.0022)	0.07	0.1	ND(0.009)
	12/10/08	1.64	ND(0.0045)	ND(0.0045)	ND(0.00081)	ND(0.00081)	ND(0.00066)	ND(0.0013)	ND(0.00059)	ND(0.0043)	0.00097	0.0015	ND(0.00071)	ND(0.00071)	ND(0.00071)	ND(0.00056)	0.0006	ND(0.00067)	ND(0.0007)	ND(0.00081)	ND(0.00081)	ND(0.00036)	ND(0.00081)	0.015	ND(0.0024)	ND(0.0033)
	12/11/08	1.64	ND(0.0045)	ND(0.0045)	ND(0.00081)	ND(0.00081)	ND(0.00066)	ND(0.0013)	ND(0.00059)	ND(0.0043)	0.0023	0.0021	ND(0.00071)	ND(0.00071)	ND(0.00071)	ND(0.00056)	ND(0.00058)	ND(0.00067)	ND(0.0007)	ND(0.00081)	ND(0.00081)	ND(0.00036)	ND(0.00081)	0.002	ND(0.0024)	ND(0.0033)
	12/12/08	2.36	ND(0.0065)	ND(0.0065)	ND(0.0012)	ND(0.0012)	ND(0.00096)	ND(0.0018)	ND(0.00085)	ND(0.0062)	0.00086	0.0017 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.00081)	ND(0.00083)	ND(0.00097)	ND(0.001)	ND(0.0012)	ND(0.0012)	ND(0.00052)	ND(0.0012)	0.003	ND(0.0035)	ND(0.0047)
	12/12/08 Dup	2.36	ND(0.0065)	ND(0.0065)	ND(0.0012)	ND(0.0012)	ND(0.00096)	ND(0.0018)	ND(0.00085)	ND(0.0062)	0.00083	0.001 J	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.00081)	ND(0.00083)	ND(0.00097)	ND(0.001)	ND(0.0012)	ND(0.0012)	ND(0.00052)	ND(0.0012)	ND(0.0028)	ND(0.0035)	ND(0.0047)
	12/13/08	1.96	ND(0.0054)	ND(0.0054)	ND(0.00096)	ND(0.00096)	ND(0.00079)	ND(0.0015)	ND(0.00071)	ND(0.0051)	0.00099	0.0018	ND(0.00085)	ND(0.00085)	ND(0.00085)	ND(0.00067)	0.00077	ND(0.0008)	ND(0.00083)	ND(0.00096)	ND(0.00096)	ND(0.00043)	ND(0.00096)	0.0034	ND(0.0029)	ND(0.0039)
Float-OA3	3/22/05	1.68	--	--	ND(0.0041)	ND(0.0041)	ND(0.00068)	ND(0.0013)	ND(0.003)	ND(0.018)	0.00096	0.0032	0.00083	0.0012	0.00072 J	ND(0.0029)	ND(0.003)	ND(0.0034)	ND(0.00072)	ND(0.00082)	0.00083	ND(0.0018)	ND(0.0041)	--	--	--
	3/23/05	1.83	--	--	ND(0.0045)	ND(0.0045)	ND(0.00074)	ND(0.0014)	ND(0.0033)	ND(0.019)	0.0014	0.0031	ND(0.00079)	0.0014	ND(0.00079)	ND(0.0031)	ND(0.0032)	ND(0.0037)	ND(0.00078)	ND(0.0009)	ND(0.0009)	ND(0.002)	ND(0.0045)	--	--	--
	3/24/05	2.17	--	--	ND(0.0053)	ND(0.0053)	ND(0.00088)	ND(0.0017)	ND(0.0039)	ND(0.023)	0.00099	0.002	ND(0.00094)	0.00092 J	ND(0.00094)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.00092)	ND(0.0011)	ND(0.0011)	ND(0.0024)	ND(0.0053)	--	--	--
	3/25/05	1.91	--	--	ND(0.0047)	ND(0.0047)	ND(0.00077)	ND(0.0015)	ND(0.0034)	ND(0.02)	0.0013	0.0031	ND(0.00083)	0.0021	ND(0.00083)	ND(0.0033)	ND(0.0034)	ND(0.0039)	ND(0.00081)	ND(0.00094)	0.0012	ND(0.0021)	ND(0.0047)	--	--	--
	3/26/05	1.71	--	--	ND(0.0042)	ND(0.0042)	ND(0.00069)	ND(0.0013)	ND(0.0031)	ND(0.018)	0.0036	0.006	0.0014	0.0038	0.0019 J	ND(0.0029)	ND(0.003)	ND(0.0035)	ND(0.00073)	0.00087 J	0.0032	ND(0.0019)	ND(0.0042)	--	--	--
	3/28/05	2.01	--	--	ND(0.0049)	ND(0.0049)	ND(0.00081)	ND(0.0015)	ND(0.0036)	ND(0.021)	0.0014	0.0032	ND(0.00087)	0.0012	ND(0.00087)	ND(0.0034)	ND(0.0035)	ND(0.0041)	ND(0.00086)	ND(0.00099)	ND(0.00099)	ND(0.0022)	ND(0.0049)	--	--	--
	3/29/05	2.30	--	--	ND(0.0056)	ND(0.0056)	ND(0.00093)	ND(0.0018)	ND(0.0041)	ND(0.024)	0.0022	0.0031	ND(0.001)	0.0022	ND(0.001)	ND(0.004)	ND(0.004)	ND(0.0047)	ND(0.00098)	ND(0.0011)	0.0012	0.0039	ND(0.0056)	--	--	--
	3/30/05	1.79	--	--	ND(0.0044)	ND(0.0044)	ND(0.00072)	ND(0.0014)	ND(0.0032)	ND(0.019)	0.0008	0.0017	ND(0.00078)	0.0012	ND(0.00078)	ND(0.0031)	ND(0.0032)	ND(0.0037)	ND(0.00076)	ND(0.00088)	ND(0.00088)	ND(0.002)	ND(0.0044)	--	--	--
	4/2/05	2.51	--	--	ND(0.0062)	ND(0.0062)	ND(0.001)	ND(0.0019)	ND(0.0045)	ND(0.026)	0.00081	0.00092 J	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0043)	ND(0.0044)	ND(0.0051)	ND(0.0011)	ND(0.0012)	ND(0.0012)	ND(0.0028)	ND(0.0062)	--	--	--
	4/4/05	2.44	--	--	ND(0.006)	ND(0.006)	ND(0.00099)	ND(0.0019)	ND(0.0044)	ND(0.026)	0.0019	0.0033	ND(0.001)	0.0022	ND(0.001)	ND(0.0042)	ND(0.0043)	ND(0.005)	0.0011 J	ND(0.0012)	ND(0.0012)	0.0062	ND(0.006)	--	--	--
	4/5/05	5.03	--	--	ND(0.012)	ND(0.012)	ND(0.002)	ND(0.0039)	ND(0.0091)	ND(0.053)	0.0022	0.0033	ND(0.0022)	0.0026	ND(0.0022)	ND(0.0086)	ND(0.0089)	ND(0.01)	ND(0.0021)	ND(0.0025)	ND(0.0025)	ND(0.0056)	ND(0.012)	--	--	--
	4/6/05	1.91	--	--	ND(0.0047)	ND(0.0047)	ND(0.00077)	ND(0.0015)	ND(0.0034)	ND(0.02)	0.0019	0.0044	0.0012	0.0031	0.0013	ND(0.0033)	ND(0.0034)	ND(0.0039)	0.0043 J	ND(0.00094)	0.0015	0.046	ND(0.0047)	--	--	--
	4/7/05	1.79	--	--	ND(0.0044)	ND(0.0044)	ND(0.00072)	ND(0.0014)	ND(0.0032)	ND(0.019)	0.002	0.0049	0.0012	0.0038	0.0016	ND(0.0031)	ND(0.0032)	ND(0.0037)	0.00085 J	ND(0.00088)	0.002	ND(0.002)	ND(0.0044)	--	--	--
	4/8/05	2.12	--	--	ND(0.0052)	ND(0.0052)	ND(0.00086)	ND(0.0016)	ND(0.0038)	ND(0.022)	0.0025	0.005	ND(0.00092)	0.0031	0.0012	ND(0.0036)	ND(0.0037)	ND(0.0043)	ND(0.0009)	ND(0.001)	0.0017	ND(0.0023)	ND(0.0052)	--	--	--
	4/9/05	2.06	--	--	ND(0.0051)	ND(0.0051)	ND(0.00083)	ND(0.0016)	ND(0.0037)	ND(0.022)	0.001	0.0022	ND(0.00089)	ND(0.00089)	ND(0.00089)	ND(0.0035)	ND(0.0036)	ND(0.0042)	ND(0.00088)	ND(0.001)	ND(0.001)	ND(0.0023)	ND(0.0051)	--	--	--
	4/9/05 Dup	1.96	--	--	ND(0.0048)	ND(0.0048)	ND(0.00079)	ND(0.0015)	ND(0.0035)	ND(0.02)	0.00096	0.0016	ND(0.00085)	ND(0.00085)	ND(0.00085)	ND(0.0034)	ND(0.0034)	ND(0.004)	ND(0.00083)	ND(0.00096)	ND(0.00096)	ND(0.0022)	ND(0.0048)	--	--	--
	4/11/05	2.36	--	--	ND(0.0058)	ND(0.0058)	ND(0.00096)	ND(0.0018)	ND(0.0042)	ND(0.025)	0.0029	0.0054	ND(0.001)	0.0028	0.0012	ND(0.0041)	ND(0.0042)	ND(0.0048)	ND(0.001)	ND(0.0012)	0.0013	ND(0.0026)	ND(0.0058)	--	--	--
	4/12/05	2.23	--	--	ND(0.0055)	ND(0.0055)	ND(0.0009)	ND(0.0017)	ND(0.004)	ND(0.023)	0.0064	0.0092	ND(0.00097)	0.0031	0.00093 J	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.00095)	ND(0.0011)	0.0011	ND(0.0025)	ND(0.0055)	--	--	--
	4/13/05	2.01	--	--	ND(0.0049)	ND(0.0049)	ND(0.00081)	ND(0.0015)	ND(0.0036)	ND(0.021)	0.0026	0.011	0.001	0.0031	0.0013	ND(0.0034)	ND(0.0035)	ND(0.0041)	ND(0.00086)	ND(0.00099)	0.0013	ND(0.0022)	ND(0.0049)	--	--	--
	4/14/05	3.83	--	--	ND(0.0094)	ND(0.0094)	ND(0.0016)	ND(0.0029)	ND(0.0069)	ND(0.04)	0.0016	0.006	ND(0.0017)	0.0018	ND(0.0017)	ND(0.0066)	ND(0.0067)	ND(0.0078)	ND(0.0016)	ND(0.0019)	ND(0.0019)	ND(0.0042)	ND(0.0094)	--	--	--
	4/15/05	2.12	--	--	ND(0.0052)	ND(0.0052)	ND(0.00086)	ND(0.0016)	ND(0.0038)	ND(0.022)	0.0011	0.0021	ND(0.00092)	0.001	ND(0.00092)	ND(0.0036)	ND(0.0037)	ND(0.0043)	ND(0.0009)	ND(0.001)	ND(0.001)	ND(0.0023)	ND(0.0052)	--	--	--

US EPA ARCHIVE DOCUMENT

TABLE 2-9a. OUTDOOR AIR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Sample ID	Date	Dilution Factor	n-Butylbenzene mg/m^3	sec-Butylbenzene mg/m^3	Isopropylbenzene mg/m^3	n-Propylbenzene mg/m^3	1,2-Dichloroethane mg/m^3	1,2-Dibromoethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethylbenzene mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclohexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	1,3,5-Trimethylbenzene mg/m^3	1,2,4-Trimethylbenzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyltoluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3
Float-OA3	5/2/05	2.17	--	--	ND(0.0053)	ND(0.0053)	ND(0.00088)	ND(0.0017)	ND(0.0039)	ND(0.023)	0.0074	0.03	0.0072	0.024	0.01	ND(0.0037)	0.0081	0.0061	ND(0.00092)	0.0027	0.011	ND(0.0024)	0.011	--	--	--
	5/3/05	2.23	--	--	ND(0.0055)	ND(0.0055)	ND(0.0009)	ND(0.0017)	ND(0.004)	ND(0.023)	ND(0.00071)	ND(0.00084)	ND(0.00097)	ND(0.00097)	ND(0.00097)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.00095)	ND(0.0011)	ND(0.0011)	ND(0.0025)	ND(0.0055)	--	--	--
	5/4/05	3.50	--	--	ND(0.0086)	ND(0.0086)	ND(0.0014)	ND(0.0027)	ND(0.0063)	ND(0.037)	ND(0.0011)	0.0018	ND(0.0015)	ND(0.0015)	ND(0.0015)	ND(0.006)	ND(0.0062)	ND(0.0072)	ND(0.0015)	ND(0.0017)	ND(0.0017)	ND(0.0039)	ND(0.0086)	--	--	--
	5/11/05	2.17	--	--	ND(0.0053)	ND(0.0053)	ND(0.00088)	ND(0.0017)	ND(0.0039)	ND(0.023)	0.00069 J	0.12	ND(0.00094)	ND(0.00094)	ND(0.00094)	ND(0.0037)	ND(0.0038)	0.0058	ND(0.00092)	ND(0.0011)	ND(0.0011)	ND(0.0024)	ND(0.0053)	--	--	--
	9/6/05	1.91	--	--	ND(0.0047)	ND(0.0047)	ND(0.00077)	ND(0.0015)	ND(0.0034)	ND(0.02)	0.0022	0.0043	ND(0.00083)	0.0027	0.00092	ND(0.0033)	ND(0.0034)	ND(0.0039)	ND(0.00081)	ND(0.00094)	0.00095	ND(0.0021)	ND(0.0047)	--	--	--
	9/7/05	2.01	--	--	ND(0.0049)	ND(0.0049)	ND(0.00081)	ND(0.0015)	ND(0.0036)	ND(0.021)	0.0021	0.005	ND(0.00087)	0.0027	0.00098	ND(0.0034)	ND(0.0035)	ND(0.0041)	ND(0.00086)	ND(0.00099)	0.0012	ND(0.0022)	ND(0.0049)	--	--	--
	9/8/05	1.96	--	--	ND(0.0048)	ND(0.0048)	ND(0.00079)	ND(0.0015)	ND(0.0035)	ND(0.02)	0.0014	0.0023	ND(0.00085)	0.001	ND(0.00085)	ND(0.0034)	ND(0.0034)	ND(0.004)	0.0016 J	ND(0.00096)	ND(0.00096)	0.0029	ND(0.0048)	--	--	--
	9/9/05	4.23	--	--	ND(0.01)	ND(0.01)	ND(0.0017)	ND(0.0032)	ND(0.0076)	ND(0.044)	0.003	0.0062	ND(0.0018)	0.0034	ND(0.0018)	ND(0.0073)	ND(0.0074)	ND(0.0087)	ND(0.0018)	ND(0.0021)	ND(0.0021)	ND(0.0047)	ND(0.01)	--	--	--
	6/27/06	1.71	--	--	ND(0.0042)	ND(0.0042)	ND(0.00069)	ND(0.0013)	ND(0.0031)	ND(0.018)	0.00064	0.0015	ND(0.00074)	0.00085	ND(0.00074)	ND(0.0029)	ND(0.003)	ND(0.0035)	ND(0.00073)	ND(0.00084)	0.0012	ND(0.0019)	ND(0.0042)	--	--	--
	6/28/06	2.59	--	--	ND(0.0064)	ND(0.0064)	ND(0.001)	ND(0.002)	ND(0.0047)	ND(0.027)	0.001	0.0017	ND(0.0011)	0.0012	ND(0.0011)	ND(0.0044)	ND(0.0046)	ND(0.0053)	ND(0.0011)	ND(0.0013)	ND(0.0013)	ND(0.0029)	ND(0.0064)	--	--	--
	7/5/06	2.23	--	--	ND(0.0055)	ND(0.0055)	ND(0.0009)	ND(0.0017)	ND(0.004)	ND(0.023)	0.0011	0.0016	ND(0.00097)	0.001	ND(0.00097)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.00095)	ND(0.0011)	ND(0.0011)	ND(0.0025)	ND(0.0055)	--	--	--
	7/6/06	1.91	--	--	ND(0.0047)	ND(0.0047)	ND(0.00077)	ND(0.0015)	ND(0.0034)	ND(0.02)	0.0041	0.008	0.0017	0.0085	0.0041	ND(0.0033)	ND(0.0034)	ND(0.0039)	ND(0.00081)	0.0017	0.0017	ND(0.0021)	ND(0.0047)	--	--	--
	7/7/06	2.17	--	--	ND(0.0053)	ND(0.0053)	ND(0.00088)	ND(0.0017)	ND(0.0039)	ND(0.023)	0.0011	0.0025	ND(0.00094)	0.0011	ND(0.00094)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.00092)	ND(0.0011)	ND(0.0011)	ND(0.0024)	ND(0.0053)	--	--	--
	11/27/06	2.12	--	--	ND(0.001)	ND(0.001)	ND(0.00086)	ND(0.0016)	ND(0.00076)	ND(0.0056)	0.0022	0.0043	ND(0.00092)	0.0027	0.0012	ND(0.00073)	ND(0.00075)	ND(0.00087)	ND(0.0009)	ND(0.001)	0.0017	ND(0.00047)	ND(0.001)	--	--	--
	11/30/06	1.96	--	--	ND(0.00096)	ND(0.00096)	ND(0.00079)	ND(0.0015)	ND(0.00071)	ND(0.0051)	0.0014	0.0024	ND(0.00085)	0.0016	ND(0.00085)	ND(0.00067)	ND(0.00069)	ND(0.0008)	ND(0.00083)	ND(0.00096)	0.0012	ND(0.00043)	ND(0.00096)	--	--	--
	12/14/06	1.58	--	--	ND(0.00078)	ND(0.00078)	ND(0.00064)	ND(0.0012)	ND(0.00057)	ND(0.0041)	0.0011	0.0016	ND(0.00069)	0.00091	ND(0.00069)	ND(0.00054)	ND(0.00056)	ND(0.00065)	ND(0.00067)	ND(0.00078)	ND(0.00078)	ND(0.00035)	ND(0.00078)	--	--	--
	12/15/06	1.52	--	--	ND(0.00075)	ND(0.00075)	ND(0.00062)	ND(0.0012)	ND(0.00055)	ND(0.004)	0.0013	0.0017	ND(0.00066)	0.00085	ND(0.00066)	ND(0.00052)	ND(0.00054)	ND(0.00062)	ND(0.00065)	ND(0.00075)	ND(0.00075)	ND(0.00034)	ND(0.00075)	--	--	--
	12/16/06	1.96	--	--	ND(0.00096)	ND(0.00096)	ND(0.00079)	ND(0.0015)	ND(0.00071)	ND(0.0051)	0.0017	0.0029	ND(0.00085)	0.0024 J	ND(0.00085)	ND(0.00067)	0.00068 J	ND(0.0008)	0.0011	ND(0.00096)	0.0011 J	0.004	ND(0.00096)	--	--	--
	12/16/06 Dup	1.83	--	--	ND(0.0009)	ND(0.0009)	ND(0.00074)	ND(0.0014)	ND(0.00066)	ND(0.0048)	0.0019	0.0033	0.0011	0.0018 J	ND(0.00079)	ND(0.00063)	0.00078	ND(0.00075)	0.0012	ND(0.0009)	0.001 J	0.0044	ND(0.0009)	--	--	--
	6/26/07	2.51	--	--	ND(0.0012)	ND(0.0012)	ND(0.001)	ND(0.0019)	ND(0.0009)	ND(0.0066)	0.0013	0.002	ND(0.0011)	0.0011	ND(0.0011)	ND(0.00086)	ND(0.00088)	ND(0.001)	ND(0.0011)	ND(0.0012)	ND(0.0012)	ND(0.00056)	ND(0.0012)	--	--	--
	6/27/07	2.23	--	--	ND(0.0011)	ND(0.0011)	ND(0.0009)	ND(0.0017)	ND(0.0008)	ND(0.0058)	ND(0.00071)	ND(0.00084)	ND(0.00097)	ND(0.00097)	ND(0.00097)	ND(0.00077)	ND(0.00078)	ND(0.00091)	ND(0.00095)	ND(0.0011)	0.0019	ND(0.00049)	ND(0.0011)	--	--	--
	6/28/07	2.23	--	--	ND(0.0011)	ND(0.0011)	ND(0.0009)	ND(0.0017)	ND(0.0008)	ND(0.0058)	0.00089	0.0058	0.0071	0.085	0.031	ND(0.00077)	ND(0.00078)	ND(0.00091)	ND(0.00095)	ND(0.0011)	0.002	ND(0.00049)	0.0018	--	--	--
	7/2/07	2.01	--	--	ND(0.00099)	ND(0.00099)	ND(0.00081)	ND(0.0015)	ND(0.00072)	ND(0.0053)	ND(0.00064)	0.00087	ND(0.00087)	ND(0.00087)	ND(0.00087)	ND(0.00069)	ND(0.00071)	ND(0.00082)	ND(0.00086)	ND(0.00099)	ND(0.00099)	ND(0.00044)	ND(0.00099)	--	--	--
	7/3/07	1.91	--	--	ND(0.00094)	ND(0.00094)	ND(0.00077)	ND(0.0015)	ND(0.00069)	ND(0.005)	0.0013	0.0026	ND(0.00083)	0.0013	ND(0.00083)	ND(0.00066)	ND(0.00067)	ND(0.00078)	ND(0.00081)	ND(0.00094)	ND(0.00094)	ND(0.00042)	ND(0.00094)	--	--	--
FLOAT	4/18/08	3.09	ND(0.0085)	ND(0.0085)	ND(0.0015)	ND(0.0015)	ND(0.0012)	ND(0.0024)	ND(0.0011)	ND(0.0081)	ND(0.00099)	0.0014	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.0011)	ND(0.0011)	ND(0.0013)	ND(0.0013)	ND(0.0015)	ND(0.0015)	ND(0.00068)	ND(0.0015)	--	--	--
	4/19/08	2.68	ND(0.0074)	ND(0.0074)	ND(0.0013)	ND(0.0013)	ND(0.0011)	ND(0.002)	ND(0.00097)	ND(0.007)	0.001	0.0019	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.00092)	ND(0.00094)	ND(0.0011)	ND(0.0011)	ND(0.0013)	ND(0.0013)	ND(0.00059)	ND(0.0013)	--	--	--
	4/20/08	4.02	ND(0.011)	ND(0.011)	ND(0.002)	ND(0.002)	ND(0.0016)	ND(0.0031)	ND(0.0014)	ND(0.01)	ND(0.0013)	ND(0.0015)	ND(0.0017)	ND(0.0017)	ND(0.0017)	ND(0.0014)	ND(0.0014)	ND(0.0016)	ND(0.0017)	ND(0.002)	ND(0.002)	ND(0.00089)	ND(0.002)	--	--	--
	4/21/08	1.61	ND(0.0044)	ND(0.0044)	ND(0.00079)	ND(0.00079)	ND(0.00065)	ND(0.0012)	ND(0.00058)	ND(0.0042)	0.00076	0.0012	ND(0.0007)	ND(0.0007)	ND(0.0007)	ND(0.00055)	ND(0.00057)	ND(0.00066)	ND(0.00068)	ND(0.00079)	ND(0.00079)	ND(0.00036)	ND(0.00079)	--	--	--
	4/22/08	1.79	ND(0.0049)	ND(0.0049)	ND(0.00088)	ND(0.00088)	ND(0.00072)	ND(0.0014)	ND(0.00064)	ND(0.0047)	0.00084	0.0014	ND(0.00078)	ND(0.00078)	ND(0.00078)	ND(0.00062)	ND(0.00063)	ND(0.00073)	ND(0.00076)	ND(0.00088)	ND(0.00088)	ND(0.0004)	ND(0.00088)	--	--	--
	4/23/08	1.87	ND(0.0051)	ND(0.0051)	ND(0.00092)	ND(0.00092)	ND(0.00076)	ND(0.0014)	ND(0.00067)	ND(0.0049)	0.0008	0.0015	ND(0.00081)	ND(0.00081)	ND(0.00081)	ND(0.00064)	ND(0.00066)	ND(0.00077)	ND(0.0008)	ND(0.00092)	ND(0.00092)	ND(0.00041)	ND(0.00092)	--	--	--
	4/24/08	2.17	ND(0.006)	ND(0.006)	ND(0.0011)	ND(0.0011)	ND(0.00088)	ND(0.0017)	ND(0.00078)	ND(0.0057)	0.00071	0.00098	ND(0.00094)	ND(0.00094)	ND(0.00094)	ND(0.00075)	ND(0.00076)	ND(0.00089)	ND(0.00092)	ND(0.0011)	ND(0.0011)	ND(0.00048)	ND(0.0011)	--	--	--
	4/25/08	1.83	ND(0.005)	ND(0.005)	ND(0.0009)	ND(0.0009)	ND(0.00074)	ND(0.0014)	ND(0.00066)	ND(0.0048)	ND(0.00058)	ND(0.00069)	ND(0.00079)	ND(0.00079)	ND(0.00079)	ND(0.00063)	ND(0.00064)	ND(0.00075)	ND(0.00078)	ND(0.0009)	ND(0.0009)	ND(0.0004)	ND(0.0009)	--	--	--
	4/25/08 Dup	1.83	ND(0.005)	ND(0.005)	ND(0.0009)	ND(0.0009)	ND(0.00074)	ND(0.0014)	ND(0.00066)	ND(0.0048)	ND(0.00058)	ND(0.00069)	ND(0.00079)	ND(0.00079)	ND(0.00079)	ND(0.00063)	ND(0.00064)	ND(0.00075)	ND(0.00078)	ND(0.0009)	ND(0.0009)	ND(0.0004)	ND(0.0009)	--	--	--
	4/28/08	2.51	ND(0.0069)	ND(0.0069)	ND(0.0012)	ND(0.0012)	ND(0.001)	ND(0.0019)	ND(0.0009)	ND(0.0066)	ND(0.0008)	0.0053	0.0025	0.0059	0.0015	ND(0.00086)	ND(0.00088)	ND(0.001)	ND(0.0011)	ND(0.0012)	0.0016	ND(0.00056)	ND(0.0012)	--	--	--
	9/5/08	1.46	ND(0.004)	ND(0.004)	ND(0.00072)	ND(0.00072)	0.0029	ND(0.0011)	ND(0.00053)	ND(0.0038)	0.0012	0.048	0.0048	0.0048	0.0021	0.0038	0.022	0.0013	0.0025	ND(0.00072)	0.00082	ND(0.00032)	0.00073	0.0043 J	0.098	ND(0.0029)
	9/6/08	1.75	ND(0.0048)	ND(0.0048)	ND(0.00086)	ND(0.00086)	ND(0.00071)	ND(0.0013)	ND(0.00063)	ND(0.0046)	ND(0.00056)	0.00094 J	ND(0.00076)	ND(0.00076)	ND(0.00076)	ND(0.0006)	ND(0.00062)	ND(0.00072)	ND(0.00074)	ND(0.00086)	ND(0.00086)	ND(0.00039)	ND(0.00086)	0.0022 J	ND(0.0026)	ND(0.0035)
	9/7/08	2.51	ND(0.0069)	ND(0.0069)	ND(0.0012)	ND(0.0012)	ND(0.001)	ND(0.0019)	ND(0.0009)	ND(0.0066)	0.00087	0.0016 J	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.00086)	ND(0.00088)	ND(0.001)	ND(0.0011)	ND(0.0012)	ND(0.0012)	ND(0.00056)	ND(0.0012)	ND(0.003)	ND(0.0037)	ND(0.005)
	9/8/08	1.83	ND(0.005)	ND(0.005)	ND(0.0009)	ND(0.0009)	ND(0.00074)	ND(0.0014)	ND(0.00066)	ND(0.0048)	0.0011	0.0032 JB	ND(0.00079)	0.0013	ND(0.00079)	ND(0.00063)	ND(0.00064)	ND(0.00075)	ND(0.00078)	ND(0.0009)	ND(0.0009)	ND(0.0004)	ND(0.0009)	ND(0.0022)	0.0037	ND(0.0037)
	9/9/08	2.01	ND(0.0055)	ND(0.0055)	ND(0.00099)	ND(0.00099)	ND(0.00081)	ND(0.0015)	ND(0.00072)	ND(0.0053)	0.00076	0.0023 JB	ND(0.00087)	ND(0.00087)	ND(0.00087)	ND(0.00069)	ND(0.00071)	ND(0.00082)	ND(0.00086)	ND(0.00099)	ND(0.00099)	ND(0.00044)	ND(0.00099)	ND(0.0024)	ND(0.003)	ND(0.004)
	9/9/08 Dup	2.01	ND(0.0055)	ND(0.0055)	ND(0.00099)	ND(0.00099)	ND(0.00081)	ND(0.0015)	ND(0.00072)	ND(0.0053)	0.00078	0.0024 JB	ND(0.00087)	ND(0.00087)	ND(0.00087)	ND(0.00069)	0.00099 JB	ND(0.00082)	ND(0.00086)	ND(0.00099)	ND(0.00099)	ND(0.00044)	ND(0.00099)	0.0028 J	ND(0.003)	ND(0.004)
	12/6/08	1.61	ND(0.0044)	ND(0.0044)	ND(0.00079)	ND(0.00079)	ND(0.00065)	ND(0.0012)	ND(0.00058)	ND(0.0042)	0.00094	0.0018	ND(0.0007)	0.00092	ND(0.0007)	0.0015	0.00072	ND(0.00066)	ND(0.00068)	ND(0.00079)	ND(0.00079)	ND(0.00036)	ND(0.00079)	0.003	0.0082	ND(0.0032)
	12/7/08	1.68	ND(0.0046)	ND(0.0046)	ND(0.00082)	ND(0.00082)	ND(0.00068)	ND(0.0013)	ND(0.0006)	ND(0.0044)	0.0009	0.00076	ND(0.00073)	ND(0.00073)	ND(0.00073)	ND(0.00058)	ND(0.00059)	ND(0.00069)	ND(0.00072)	ND(0.00082)	ND(0.00082)	ND(0.00037)	ND(0.00082)	0.0032	ND(0.0025)	ND(0.0034)
	12/8/08	1.79	ND(0.0049)	ND(0.0049)	ND(0.00088)	ND(0.00088)	ND(0.00072)	ND(0.0014)	ND(0.00064)	ND(0.0047)	0.0012	0.0013	ND(0.00078)	ND(0.00078)	ND(0.00078)	ND(0.00062)	ND(0.00063)	ND(0.00073)	ND(0.00076)	ND(0.00088)	ND(0.00088)	ND(0.0004)	ND(0.00088)	0.0034	0.0027	ND(0.0036)
	12/9/08	2.59	ND(0.0071)	ND(0.0071)	ND(0.0013)	ND(0.0013)	ND(0.001)	ND(0.002)	ND(0.00093)	ND(0.0068)	0.001	0.0016	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.00089)	ND(0.00091)	ND(0.0011)	ND(0.0011)	ND(0.0013)	ND(0.0013)	ND(0.00057)	ND(0.0013)	0.047	0.062	ND(0.0052)
	12/10/08	1.71	ND(0.0047)	ND(0.0047)	ND(0.00084)	ND(0.00084)	ND(0.00069)	ND(0.0013)	ND(0.00062)	ND(0.0045)	0.0011	0.0017	ND(0.00074)	0.00076	ND(0.00074)	ND(0.00059)	ND(0.0006)	ND(0.0007)	ND(0.00073)	ND(0.00084)	ND(0.00084)	ND(0.00038)	ND(0.00084)	0.0024	ND(0.0025)	ND(0.0034)
	12/11/08	2.36	ND(0.0065)	ND(0.0065)	ND(0.0012)	ND(0.0012)	ND(0.00096)	ND(0.0018)	ND(0.00085)	ND(0.0062)	0.0018	0.0032	ND(0.001)	0.0013	ND(0.001)	ND(0.00081)	ND(0.00083)	ND(0.00097)	ND(0.001)	ND(0.0012)	ND(0.0012)	ND(0.00052)	ND(0.0012)	0.03	0.047	ND(0.0047)

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TABLE 2-9a. OUTDOOR AIR ANALYTICAL RESULTS SUMMARY, PETROLEUM RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Sample ID	Date	Dilution Factor	n-Butyl-benzene mg/m^3	sec-Butyl-benzene mg/m^3	Isopropyl-benzene mg/m^3	n-Propyl-benzene mg/m^3	1,2-Dichloro-ethane mg/m^3	1,2-Dibromo-ethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethyl-benzene mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclo-hexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	1,3,5-Trimethyl-benzene mg/m^3	1,2,4-Trimethyl-benzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyl-toluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3
FLOAT	12/12/08	1.71	ND(0.0047)	ND(0.0047)	ND(0.00084)	ND(0.00084)	ND(0.00069)	ND(0.0013)	ND(0.00062)	ND(0.0045)	0.00086	0.0013	ND(0.00074)	ND(0.00074)	ND(0.00074)	ND(0.00059)	0.00078	ND(0.0007)	ND(0.00073)	ND(0.00084)	ND(0.00084)	ND(0.00038)	ND(0.00084)	0.012	0.013	ND(0.0034)
	12/13/08	1.61	ND(0.0044)	ND(0.0044)	ND(0.00079)	ND(0.00079)	ND(0.00065)	ND(0.0012)	ND(0.00058)	ND(0.0042)	0.0012	0.0018	ND(0.0007)	0.00092	ND(0.0007)	ND(0.00055)	0.00066	ND(0.00066)	ND(0.00068)	ND(0.00079)	ND(0.00079)	ND(0.00036)	ND(0.00079)	0.0034	0.0024	ND(0.0032)
	3/5/09	1.58	ND(0.0043)	ND(0.0043)	ND(0.00078)	ND(0.00078)	ND(0.00064)	ND(0.0012)	ND(0.00057)	ND(0.0041)	0.00067	0.00076	ND(0.00069)	ND(0.00069)	ND(0.00069)	ND(0.00054)	ND(0.00056)	ND(0.00065)	ND(0.00067)	ND(0.00078)	ND(0.00078)	ND(0.00035)	ND(0.00078)	0.0027	ND(0.0023)	ND(0.0032)
	9/29/09	1.68	ND(0.0046)	ND(0.0046)	ND(0.00082)	ND(0.00082)	ND(0.00068)	ND(0.0013)	ND(0.0006)	ND(0.0044)	0.00088	0.00095	ND(0.00073)	ND(0.00073)	ND(0.00073)	ND(0.00058)	ND(0.00059)	ND(0.00069)	ND(0.00072)	ND(0.00082)	ND(0.00082)	ND(0.00037)	ND(0.00082)	ND(0.002)	ND(0.0025)	ND(0.0034)
	9/30/09	1.83	ND(0.005)	ND(0.005)	ND(0.0009)	ND(0.0009)	ND(0.00074)	ND(0.0014)	ND(0.00066)	0.0048 J	0.00190	0.00430	0.0021	0.0048 JB	0.0022 JB	ND(0.00063)	ND(0.00064)	0.00078	0.00081 J	0.00095 J	0.0036 J	ND(0.0004)	0.0026 J	ND(0.0022)	ND(0.0027)	ND(0.0037)
	10/1/09	1.94	ND(0.0053)	ND(0.0053)	ND(0.00095)	ND(0.00095)	ND(0.00078)	ND(0.0015)	ND(0.0007)	ND(0.0051)	0.00140	0.00270	ND(0.00084)	0.0011 J	ND(0.00084)	0.0068	0.0033	0.0014	ND(0.00083)	ND(0.00095)	ND(0.00095)	ND(0.00043)	ND(0.00095)	0.03	0.2	0.011
	10/2/09	2.06	ND(0.0056)	ND(0.0056)	ND(0.001)	ND(0.001)	ND(0.00083)	ND(0.0016)	ND(0.00074)	ND(0.0054)	ND(0.00066)	0.001	ND(0.00089)	ND(0.00089)	ND(0.00089)	ND(0.00071)	ND(0.00073)	ND(0.00084)	ND(0.00088)	ND(0.001)	ND(0.001)	ND(0.00046)	ND(0.001)	ND(0.0024)	ND(0.003)	ND(0.0041)
	10/2/09 Dup	1.96	ND(0.0054)	ND(0.0054)	ND(0.00096)	ND(0.00096)	ND(0.00079)	ND(0.0015)	ND(0.00071)	ND(0.0051)	0.001	0.0012	ND(0.00085)	ND(0.00085)	ND(0.00085)	ND(0.00067)	ND(0.00069)	ND(0.0008)	ND(0.00083)	ND(0.00096)	ND(0.00096)	ND(0.00043)	ND(0.00096)	ND(0.0023)	ND(0.0029)	ND(0.0039)
Average Outdoor Air Concentration			ND(0.00025)	ND(0.00025)	ND(0.00025)	ND(0.00025)	ND(0.00025)	ND(0.00025)	0.00027	--	0.0013	0.0013	ND(0.00025)	ND(0.00025)	ND(0.00025)	ND(0.00025)	0.00042	0.00049	ND(0.00025)	ND(0.00025)	ND(0.00025)	--	--	--	--	ND(0.0025)

NOTES:

Average outdoor air concentrations are reported as the 50th percentile values from the *New York State Department of Health Summary of Indoor and Outdoor Levels of Volatile Organic Compounds from Fuel Oil Heated Homes in New York State (1997-2003*), updated November 14, 2005

B - Constituent detected in blank sample

D – Analyte concentration in the initial dilution exceeded instrument calibration range. The reported value for the qualified analyte is from an analysis run at higher dilution.

E – Concentration of analyte exceeded instrument calibration range

J – Value is estimated and should be used with consideration or qualitative purposes

R – Value has been rejected and should not be used for qualitative or quantitative purposes

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TABLE 2-9b. OUTDOOR AIR ANALYTICAL RESULTS SUMMARY, SOLVENT RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Sample ID	Date	Dilution Factor	Acetone mg/m^3	2-Butanone mg/m^3	Carbon tetrachloride mg/m^3	Chloro-benzene mg/m^3	1,1-Dichloro-ethane mg/m^3	1,1-Dichloro-ethene mg/m^3	cis-1,2-Dichloroethene mg/m^3	trans-1,2-Dichloroethene mg/m^3	1,4-Dioxane mg/m^3	Hexachloro-butadiene mg/m^3	2-Hexanone mg/m^3	Isopropanol mg/m^3	4-Methyl-2-Pentanone mg/m^3	Methylene Chloride mg/m^3	1,1,2,2-Tetrachloro-ethane mg/m^3	Tetrachloro-ethene mg/m^3	Tetrahydro-furan mg/m^3	1,1,1-Trichloro-ethane mg/m^3	1,1,2-Trichloro-ethane mg/m^3	Trichloro-ethene mg/m^3	Vinyl Chloride mg/m^3
CHI2-OA2	3/22/05	1.61	0.0061	ND(0.0024)	ND(0.001)	ND(0.00074)	ND(0.00065)	ND(0.00064)	ND(0.00064)	ND(0.0032)	ND(0.0029)	ND(0.0086)	ND(0.0033)	ND(0.002)	ND(0.0033)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0024)	ND(0.00088)	ND(0.00088)	ND(0.00086)	ND(0.00041)
	3/23/05	1.58	0.013	0.0025	ND(0.00099)	ND(0.00073)	ND(0.00064)	ND(0.00063)	ND(0.00063)	ND(0.0031)	ND(0.0028)	ND(0.0084)	ND(0.0032)	ND(0.0019)	ND(0.0032)	0.0012	ND(0.0011)	ND(0.0011)	ND(0.0023)	ND(0.00086)	ND(0.00086)	ND(0.00085)	ND(0.0004)
	3/24/05	1.58	0.022	0.0057	ND(0.00099)	ND(0.00073)	ND(0.00064)	ND(0.00063)	ND(0.00063)	ND(0.0031)	ND(0.0028)	ND(0.0084)	ND(0.0032)	ND(0.0019)	ND(0.0032)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0023)	ND(0.00086)	ND(0.00086)	ND(0.00085)	ND(0.0004)
	3/25/05	1.91	0.011	ND(0.0028)	ND(0.0012)	ND(0.00088)	ND(0.00077)	ND(0.00076)	ND(0.00076)	ND(0.0038)	ND(0.0034)	ND(0.01)	ND(0.0039)	ND(0.0023)	ND(0.0039)	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.011)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.00049)
	3/26/05	1.68	0.033	0.0088	ND(0.001)	ND(0.00077)	ND(0.00068)	ND(0.00067)	ND(0.00067)	ND(0.0033)	ND(0.003)	ND(0.009)	ND(0.0034)	ND(0.0021)	ND(0.0034)	ND(0.0012)	ND(0.0012)	0.0014	ND(0.0099)	ND(0.00092)	ND(0.00092)	ND(0.0009)	ND(0.00043)
	3/28/05	1.87	0.014	0.003	ND(0.0012)	ND(0.00086)	ND(0.00076)	ND(0.00074)	ND(0.00074)	ND(0.0037)	ND(0.0034)	ND(0.01)	ND(0.0038)	ND(0.0023)	ND(0.0038)	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.011)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.00048)
	3/29/05	1.68	0.0088	ND(0.0025)	0.001 J	ND(0.00077)	ND(0.00068)	ND(0.00067)	ND(0.00067)	ND(0.0033)	ND(0.003)	ND(0.009)	ND(0.0034)	ND(0.0021)	ND(0.0034)	ND(0.0012)	ND(0.0012)	ND(0.0011)	ND(0.0099)	ND(0.00092)	ND(0.00092)	ND(0.0009)	ND(0.00043)
	3/30/05	1.79	0.0082	ND(0.0026)	ND(0.0011)	ND(0.00082)	ND(0.00072)	ND(0.00071)	ND(0.00071)	ND(0.0035)	ND(0.0032)	ND(0.0095)	ND(0.0037)	ND(0.0022)	ND(0.0037)	ND(0.0012)	ND(0.0012)	0.0032	ND(0.01)	ND(0.00098)	ND(0.00098)	ND(0.00096)	ND(0.00046)
	4/1/05	1.68	0.0047	ND(0.0025)	0.001 J	ND(0.00077)	ND(0.00068)	ND(0.00067)	ND(0.00067)	ND(0.0033)	ND(0.003)	ND(0.009)	ND(0.0034)	ND(0.0021)	ND(0.0034)	ND(0.0012)	ND(0.0012)	0.0012	ND(0.0099)	ND(0.00092)	ND(0.00092)	ND(0.0009)	ND(0.00043)
	4/2/05	2.36	0.0065	0.0037	ND(0.0015)	ND(0.0011)	ND(0.00096)	ND(0.00094)	ND(0.00094)	ND(0.0047)	ND(0.0042)	ND(0.012)	ND(0.0048)	ND(0.0029)	ND(0.0048)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.014)	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.0006)
	4/4/05	1.79	0.011	ND(0.0026)	ND(0.0011)	ND(0.00082)	ND(0.00072)	ND(0.00071)	ND(0.00071)	ND(0.0035)	ND(0.0032)	ND(0.0095)	ND(0.0037)	ND(0.0022)	ND(0.0037)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.01)	ND(0.00098)	ND(0.00098)	ND(0.00096)	ND(0.00046)
	4/4/05 Dup	1.79	0.0093	ND(0.0026)	ND(0.0011)	ND(0.00082)	ND(0.00072)	ND(0.00071)	ND(0.00071)	ND(0.0035)	ND(0.0032)	ND(0.0095)	ND(0.0037)	ND(0.0022)	ND(0.0037)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.01)	ND(0.00098)	ND(0.00098)	ND(0.00096)	ND(0.00046)
	4/5/05	1.79	0.0071	ND(0.0026)	ND(0.0011)	ND(0.00082)	ND(0.00072)	ND(0.00071)	ND(0.00071)	ND(0.0035)	ND(0.0032)	ND(0.0095)	ND(0.0037)	ND(0.0022)	ND(0.0037)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.01)	ND(0.00098)	ND(0.00098)	ND(0.00096)	ND(0.00046)
	4/6/05	1.58	0.012	0.0045	ND(0.00099)	ND(0.00073)	ND(0.00064)	ND(0.00063)	ND(0.00063)	ND(0.0031)	ND(0.0028)	ND(0.0084)	ND(0.0032)	ND(0.0019)	ND(0.0032)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0093)	ND(0.00086)	ND(0.00086)	ND(0.00085)	ND(0.0004)
	4/7/05	1.71	0.0092	0.0031	ND(0.0011)	ND(0.00079)	ND(0.00069)	ND(0.00068)	ND(0.00068)	ND(0.0034)	ND(0.0031)	ND(0.0091)	ND(0.0035)	ND(0.0021)	ND(0.0035)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.01)	ND(0.00093)	ND(0.00093)	ND(0.00092)	ND(0.00044)
	4/8/05	1.75	0.026	0.0064	ND(0.0011)	ND(0.0008)	ND(0.00071)	ND(0.00069)	ND(0.00069)	ND(0.0035)	ND(0.0032)	ND(0.0093)	ND(0.0036)	ND(0.0022)	ND(0.0036)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.01)	ND(0.00095)	ND(0.00095)	ND(0.00094)	ND(0.00045)
	4/9/05	2.01	0.0086	ND(0.003)	ND(0.0013)	ND(0.00092)	ND(0.00081)	ND(0.0008)	ND(0.0008)	ND(0.004)	ND(0.0036)	ND(0.011)	ND(0.0041)	ND(0.0025)	ND(0.0041)	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.012)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.00051)
	4/11/05	1.79	0.0085	ND(0.0026)	ND(0.0011)	ND(0.00082)	ND(0.00072)	ND(0.00071)	ND(0.00071)	ND(0.0035)	ND(0.0032)	ND(0.0095)	ND(0.0037)	ND(0.0022)	ND(0.0037)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.01)	ND(0.00098)	ND(0.00098)	ND(0.00096)	ND(0.00046)
	4/12/05	1.68	0.014	0.0041	ND(0.001)	ND(0.00077)	ND(0.00068)	ND(0.00067)	ND(0.00067)	ND(0.0033)	ND(0.003)	ND(0.009)	ND(0.0034)	ND(0.0021)	ND(0.0034)	ND(0.0012)	ND(0.0012)	0.0011 J	ND(0.0099)	ND(0.00092)	ND(0.00092)	ND(0.0009)	ND(0.00043)
	4/13/05	1.75	0.0084	0.0029	ND(0.0011)	ND(0.0008)	ND(0.00071)	ND(0.00069)	ND(0.00069)	ND(0.0035)	ND(0.0032)	ND(0.0093)	ND(0.0036)	ND(0.0022)	ND(0.0036)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.01)	ND(0.00095)	ND(0.00095)	ND(0.00094)	ND(0.00045)
	4/14/05	2.12	0.0063	ND(0.0031)	ND(0.0013)	ND(0.00098)	ND(0.00086)	ND(0.00084)	ND(0.00084)	ND(0.0042)	ND(0.0038)	ND(0.011)	ND(0.0043)	ND(0.0026)	ND(0.0043)	ND(0.0015)	ND(0.0014)	ND(0.0014)	ND(0.012)	ND(0.0012)	ND(0.0012)	ND(0.0011)	ND(0.00054)
	4/14/05 Dup	1.75	0.011	ND(0.0026)	ND(0.0011)	ND(0.0008)	ND(0.00071)	ND(0.00069)	ND(0.00069)	ND(0.0035)	ND(0.0032)	ND(0.0093)	ND(0.0036)	ND(0.0022)	ND(0.0036)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.01)	ND(0.00095)	ND(0.00095)	ND(0.00094)	ND(0.00045)
	4/15/05	2.23	0.026	0.0049	ND(0.0014)	ND(0.001)	ND(0.0009)	ND(0.00088)	ND(0.00088)	ND(0.0044)	ND(0.004)	ND(0.012)	ND(0.0046)	ND(0.0027)	ND(0.0046)	ND(0.0015)	ND(0.0015)	ND(0.0015)	ND(0.013)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.00057)
	5/3/05	2.23	0.0058	ND(0.0033)	ND(0.0014)	ND(0.001)	ND(0.0009)	ND(0.00088)	ND(0.00088)	ND(0.0044)	ND(0.004)	ND(0.012)	ND(0.0046)	ND(0.0027)	ND(0.0046)	ND(0.0015)	ND(0.0015)	ND(0.0015)	ND(0.013)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.00057)
	5/4/05 Dup	4.44	0.006	ND(0.0065)	ND(0.0028)	ND(0.002)	ND(0.0018)	ND(0.0018)	ND(0.0018)	ND(0.0088)	ND(0.008)	ND(0.024)	ND(0.0091)	ND(0.0054)	ND(0.0091)	ND(0.0031)	ND(0.003)	ND(0.003)	ND(0.026)	ND(0.0024)	ND(0.0024)	ND(0.0024)	ND(0.0011)
	5/11/05	2.12	0.015	ND(0.0031)	ND(0.0013)	ND(0.00098)	ND(0.00086)	ND(0.00084)	ND(0.00084)	ND(0.0042)	ND(0.0038)	ND(0.011)	ND(0.0043)	ND(0.0026)	ND(0.0043)	ND(0.0015)	ND(0.0014)	ND(0.0014)	ND(0.012)	ND(0.0012)	ND(0.0012)	ND(0.0011)	ND(0.00054)
HOO8-OA1	3/22/05	1.68	0.0086	ND(0.0025)	ND(0.001)	ND(0.00077)	ND(0.00068)	ND(0.00067)	ND(0.00067)	ND(0.0033)	ND(0.003)	ND(0.009)	ND(0.0034)	ND(0.0021)	ND(0.0034)	ND(0.0012)	ND(0.0012)	ND(0.0011)	ND(0.0025)	ND(0.00092)	ND(0.00092)	ND(0.0009)	ND(0.00043)
	3/23/05	1.61	0.0081	0.0024	ND(0.001)	ND(0.00074)	ND(0.00065)	ND(0.00064)	ND(0.00064)	ND(0.0032)	ND(0.0029)	ND(0.0086)	ND(0.0033)	ND(0.002)	ND(0.0033)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0024)	ND(0.00088)	ND(0.00088)	ND(0.00086)	ND(0.00041)
	3/24/05	1.68	0.02	0.0053	ND(0.001)	ND(0.00077)	ND(0.00068)	ND(0.00067)	ND(0.00067)	ND(0.0033)	ND(0.003)	ND(0.009)	ND(0.0034)	ND(0.0021)	ND(0.0034)	ND(0.0012)	ND(0.0012)	ND(0.0011)	ND(0.0025)	ND(0.00092)	ND(0.00092)	ND(0.0009)	ND(0.00043)
	3/25/05	1.55	0.0066	ND(0.0023)	ND(0.00098)	ND(0.00071)	ND(0.00063)	ND(0.00061)	ND(0.00061)	ND(0.0031)	ND(0.0028)	ND(0.0083)	ND(0.0032)	ND(0.0019)	ND(0.0032)	ND(0.0011)	ND(0.0011)	ND(0.001)	ND(0.0091)	ND(0.00084)	ND(0.00084)	ND(0.00083)	ND(0.0004)
	3/26/05	1.68	0.0048	ND(0.0025)	ND(0.001)	ND(0.00077)	ND(0.00068)	ND(0.00067)	ND(0.00067)	ND(0.0033)	ND(0.003)	ND(0.009)	ND(0.0034)	ND(0.0021)	ND(0.0034)	ND(0.0012)	ND(0.0012)	ND(0.0011)	ND(0.0099)	ND(0.00092)	ND(0.00092)	ND(0.0009)	ND(0.00043)
	3/28/05	1.79	0.0048	ND(0.0026)	ND(0.0011)	ND(0.00082)	ND(0.00072)	ND(0.00071)	ND(0.00071)	ND(0.0035)	ND(0.0032)	ND(0.0095)	ND(0.0037)	ND(0.0022)	ND(0.0037)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.01)	ND(0.00098)	ND(0.00098)	ND(0.00096)	ND(0.00046)
	3/29/05	1.75	0.024	0.0034	0.0011 J	ND(0.0008)	ND(0.00071)	ND(0.00069)	ND(0.00069)	ND(0.0035)	ND(0.0032)	ND(0.0093)	ND(0.0036)	ND(0.0022)	ND(0.0036)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.01)	ND(0.00095)	ND(0.00095)	ND(0.00094)	ND(0.00045)
	3/30/05	1.79	0.03	0.0067	0.0011 J	ND(0.00082)	ND(0.00072)	ND(0.00071)	ND(0.00071)	ND(0.0035)	ND(0.0032)	ND(0.0095)	ND(0.0037)	ND(0.0022)	ND(0.0037)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.01)	ND(0.00098)	ND(0.00098)	ND(0.00096)	ND(0.00046)
	3/30/05 Dup	1.41	0.008	ND(0.0021)	0.00089 J	ND(0.00065)	ND(0.00057)	ND(0.00056)	ND(0.00056)	ND(0.0028)	ND(0.0025)	ND(0.0075)	ND(0.0029)	ND(0.0017)	ND(0.0029)	ND(0.00098)	ND(0.00097)	ND(0.00096)	ND(0.0083)	ND(0.00077)	ND(0.00077)	ND(0.00076)	ND(0.00036)
	3/31/05	1.68	0.0079	ND(0.0025)	0.001 J	ND(0.00077)	ND(0.00068)	ND(0.00067)	ND(0.00067)	ND(0.0033)	ND(0.003)	ND(0.009)	ND(0.0034)	ND(0.0021)	ND(0.0034)	ND(0.0012)	ND(0.0012)	ND(0.0011)	ND(0.0099)	ND(0.00092)	ND(0.00092)	ND(0.0009)	ND(0.00043)
	4/1/05	1.83	0.012	0.0034	0.0012 J	ND(0.00084)	ND(0.00074)	ND(0.00072)	ND(0.00072)	ND(0.0036)	ND(0.0033)	ND(0.0098)	ND(0.0037)	ND(0.0022)	ND(0.0037)	ND(0.0013)	ND(0.0012)	ND(0.0012)	ND(0.011)	ND(0.001)	ND(0.001)	ND(0.00098)	ND(0.00047)
	4/2/05	2.06	0.0048	ND(0.003)	ND(0.0013)	ND(0.00095)	ND(0.00083)	ND(0.00082)	ND(0.00082)	ND(0.0041)	ND(0.0037)	ND(0.011)	ND(0.0042)	ND(0.0025)	ND(0.0042)	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.012)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.00053)
	4/4/05	2.01	0.01	ND(0.003)	ND(0.0013)	ND(0.00092)	ND(0.00081)	ND(0.0008)	ND(0.0008)	ND(0.004)	ND(0.0036)	ND(0.011)	ND(0.0041)	ND(0.0025)	ND(0.0041)	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.012)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.00051)
	4/5/05	1.83	0.0077	ND(0.0027)	ND(0.0012)	ND(0.00084)	ND(0.00074)	ND(0.00072)	ND(0.00072)	ND(0.0036)	ND(0.0033)	ND(0.0098)	ND(0.0037)	ND(0.0022)	ND(0.0037)	ND(0.0013)	ND(0.0012)	ND(0.0012)	ND(0.011)	ND(0.001)	ND(0.001)	ND(0.00098)	ND(0.00047)
	4/6/05	1.64	0.014	0.0025	ND(0.001)	ND(0.00076)	ND(0.00066)	ND(0.00065)	ND(0.00065)	ND(0.0032)	ND(0.003)	ND(0.0087)	ND(0.0034)	ND(0.002)	ND(0.0034)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0097)	ND(0.00089)	ND(0.00089)	ND(0.00088)	ND(0.00042)
	4/7/05	2.06	0.0087	0.0034	ND(0.0013)	ND(0.00095)	ND(0.00083)	ND(0.00082)	ND(0.00082)	ND(0.0041)	ND(0.0037)	ND(0.011)	ND(0.0042)	ND(0.0025)	ND(0.0042)	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.012)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.00053)
	4/8/05	1.75	0.013	0.0037	ND(0.0011)	ND(0.0008)	ND(0.00071)	ND(0.00069)	ND(0.00069)	ND(0.0035)	ND(0.0032)	ND(0.0093)	ND(0.0036)	ND(0.0022)	ND(0.0036)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.01)	ND(0.00095)	ND(0.00095)	ND(0.00094)	ND(0.00045)
	4/9/05	2.06	0.012	ND(0.003)	ND(0.0013)	ND(0.00095)	ND(0.00083)	ND(0.00082)	ND(0.00082)	ND(0.0041)	ND(0.0037)	ND(0.011)	ND(0.0042)	ND(0.0025)	ND(0.0042)	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.012)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.00053)
	4/11/05	2.06	0.012	ND(0.003)	ND(0.0013)	ND(0.00095)	ND(0.00083)	ND(0.00082)	ND(0.00082)	ND(0.0041)	ND(0.0037)	ND(0.011)	ND(0.0042)	ND(0.0025)	ND(0.0042)	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.012)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.00053)
	4/13/05	1.68	0.016	0.0038	ND(0.001)	ND(0.00077)	ND(0.00068)	ND(0.00067)	ND(0.00067)	ND(0.0033)	ND(0.003)	ND(0.009)	ND(0.0034)	ND(0.0021)	ND(0.0034)	ND(0.0012)	ND(0.0012)	ND(0.0011)	ND(0.0099)	ND(0.00092)	ND(0.00092)	ND(0.0009)	ND(0.00043)
	4/13/05 Dup	1.83	0.041	0.0075	ND(0.0012)	ND(0.00084)	ND(0.00074)	ND(0.00072)	ND(0.00072)	ND(0.0036)	ND(0.0033)	ND(0.0098)	ND(0.0037)	0.0036	ND(0.0037)	ND(0.0013)	ND(0.0012)	ND(0.0012)	ND(0.011)	ND(0.001)	ND(0.001)	ND(0.00098)	ND(0.00047)

US EPA ARCHIVE DOCUMENT

TABLE 2-9b. OUTDOOR AIR ANALYTICAL RESULTS SUMMARY, SOLVENT RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Sample ID	Date	Dilution Factor	Acetone mg/m^3	2-Butanone mg/m^3	Carbon tetrachloride mg/m^3	Chloro-benzene mg/m^3	1,1-Dichloro-ethane mg/m^3	1,1-Dichloro-ethene mg/m^3	cis-1,2-Dichloroethene mg/m^3	trans-1,2-Dichloroethene mg/m^3	1,4-Dioxane mg/m^3	Hexachloro-butadiene mg/m^3	2-Hexanone mg/m^3	Isopropanol mg/m^3	4-Methyl-2-Pentanone mg/m^3	Methylene Chloride mg/m^3	1,1,2,2-Tetrachloro-ethane mg/m^3	Tetrachloro-ethene mg/m^3	Tetrahydro-furan mg/m^3	1,1,1-Trichloro-ethane mg/m^3	1,1,2-Trichloro-ethane mg/m^3	Trichloro-ethene mg/m^3	Vinyl Chloride mg/m^3
HOO8-OA1	4/14/05	1.71	0.0047	ND(0.0025)	ND(0.0011)	ND(0.00079)	ND(0.00069)	ND(0.00068)	ND(0.00068)	ND(0.0034)	ND(0.0031)	ND(0.0091)	ND(0.0035)	ND(0.0021)	ND(0.0035)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.01)	ND(0.00093)	ND(0.00093)	ND(0.00092)	ND(0.00044)
	4/15/05	2.3	0.0067	ND(0.0034)	ND(0.0014)	ND(0.001)	ND(0.00093)	ND(0.00091)	ND(0.00091)	ND(0.0046)	ND(0.0041)	ND(0.012)	ND(0.0047)	ND(0.0028)	ND(0.0047)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.014)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.00059)
	5/3/05	2.3	0.0049	ND(0.0034)	ND(0.0014)	ND(0.001)	ND(0.00093)	ND(0.00091)	ND(0.00091)	ND(0.0046)	ND(0.0041)	ND(0.012)	ND(0.0047)	ND(0.0028)	ND(0.0047)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.014)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.00059)
	5/11/05	2.17	0.013	ND(0.0032)	ND(0.0014)	ND(0.001)	ND(0.00088)	ND(0.00086)	ND(0.00086)	ND(0.0043)	ND(0.0039)	ND(0.012)	ND(0.0044)	ND(0.0027)	ND(0.0044)	ND(0.0015)	ND(0.0015)	ND(0.0015)	ND(0.013)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.00055)
FIXED	4/18/08	2.06	0.0099 J	0.00097 J	ND(0.0013)	ND(0.00095)	ND(0.00083)	ND(0.00082)	ND(0.00082)	ND(0.00082)	ND(0.00074)	ND(0.011)	ND(0.0042)	0.0039 J	ND(0.00084)	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.003)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.00053)
	4/19/08	2.17	0.042 J	0.0055 J	ND(0.0014)	ND(0.001)	ND(0.00088)	ND(0.00086)	ND(0.00086)	ND(0.00086)	ND(0.00078)	ND(0.012)	ND(0.0044)	0.0089 J	ND(0.00089)	ND(0.0015)	ND(0.0015)	ND(0.0015)	ND(0.0032)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.00055)
	4/20/08	2.12	0.015 J	0.0022 J	ND(0.0013)	ND(0.00098)	ND(0.00086)	ND(0.00084)	ND(0.00084)	ND(0.00084)	ND(0.00076)	ND(0.011)	ND(0.0043)	0.072 J	ND(0.00087)	ND(0.0015)	ND(0.0014)	ND(0.0014)	ND(0.0031)	ND(0.0012)	ND(0.0012)	ND(0.0011)	ND(0.00054)
	4/22/08	1.75	0.087 J	0.0028 J	ND(0.0011)	ND(0.0008)	ND(0.00071)	ND(0.00069)	ND(0.00069)	ND(0.00069)	ND(0.00063)	ND(0.0093)	ND(0.0036)	0.39 J	ND(0.00072)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.0026)	ND(0.00095)	ND(0.00095)	ND(0.00094)	ND(0.00045)
	4/23/08	1.55	0.011 J	0.0014 J	ND(0.00098)	ND(0.00071)	ND(0.00063)	ND(0.00061)	ND(0.00061)	ND(0.00061)	ND(0.00056)	ND(0.0083)	ND(0.0032)	0.017 J	ND(0.00063)	ND(0.0011)	ND(0.0011)	ND(0.001)	ND(0.0023)	ND(0.00084)	ND(0.00084)	ND(0.00083)	ND(0.0004)
	4/24/08	1.96	0.011 J	0.0011 J	ND(0.0012)	ND(0.0009)	ND(0.00079)	ND(0.00078)	ND(0.00078)	ND(0.00078)	ND(0.00071)	ND(0.01)	ND(0.004)	0.05 J	ND(0.0008)	ND(0.0014)	ND(0.0013)	ND(0.0013)	ND(0.0029)	ND(0.0011)	ND(0.0011)	ND(0.001)	ND(0.0005)
	4/25/08	1.79	0.012 J	0.00065 J	ND(0.0011)	ND(0.00082)	ND(0.00072)	ND(0.00071)	ND(0.00071)	ND(0.00071)	ND(0.00064)	ND(0.0095)	ND(0.0037)	0.024 J	ND(0.00073)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.0026)	ND(0.00098)	ND(0.00098)	ND(0.00096)	ND(0.00046)
	4/25/08 Dup	1.52	0.023 J	0.0013 J	ND(0.00096)	ND(0.0007)	ND(0.00062)	ND(0.0006)	ND(0.0006)	ND(0.0006)	ND(0.00055)	ND(0.0081)	ND(0.0031)	0.43 J	ND(0.00062)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0022)	ND(0.00083)	ND(0.00083)	ND(0.00082)	ND(0.00039)
	4/28/08	3.35	0.022 J	0.002 J	ND(0.0021)	ND(0.0015)	ND(0.0014)	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.0012)	ND(0.018)	ND(0.0069)	0.013 J	ND(0.0014)	ND(0.0023)	ND(0.0023)	ND(0.0023)	ND(0.0049)	ND(0.0018)	ND(0.0018)	ND(0.0018)	ND(0.00086)
	12/6/08	1.58	0.016 JB	0.002 J	ND(0.00099)	ND(0.00073)	ND(0.00064)	ND(0.00063)	ND(0.00063)	ND(0.00063)	ND(0.00057)	ND(0.0084)	ND(0.0032)	ND(0.0019)	ND(0.00065)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0023)	ND(0.00086)	ND(0.00086)	ND(0.00085)	ND(0.0004)
	12/6/08 Dup	1.61	0.0024 JB	0.00066 J	ND(0.001)	ND(0.00074)	ND(0.00065)	ND(0.00064)	ND(0.00064)	ND(0.00064)	ND(0.00058)	ND(0.0086)	ND(0.0033)	ND(0.002)	ND(0.00066)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0024)	ND(0.00088)	ND(0.00088)	ND(0.00086)	ND(0.00041)
	12/7/08	1.61	0.0064 JB	0.0011 J	ND(0.001)	ND(0.00074)	ND(0.00065)	ND(0.00064)	ND(0.00064)	ND(0.00064)	ND(0.00058)	ND(0.0086)	ND(0.0033)	ND(0.002)	ND(0.00066)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0024)	ND(0.00088)	ND(0.00088)	ND(0.00086)	ND(0.00041)
	12/8/08	1.29	0.0096 JB	0.002 J	ND(0.00081)	ND(0.00059)	ND(0.00052)	ND(0.00051)	ND(0.00051)	ND(0.00051)	ND(0.00046)	ND(0.0069)	ND(0.0026)	0.0036	ND(0.00053)	ND(0.0009)	ND(0.00088)	ND(0.00088)	ND(0.0019)	ND(0.0007)	ND(0.0007)	ND(0.00069)	ND(0.00033)
	12/9/08	4.47	0.14 J	0.025 J	ND(0.0028)	ND(0.002)	ND(0.0018)	ND(0.0018)	ND(0.0018)	ND(0.0018)	ND(0.0016)	ND(0.024)	ND(0.0092)	0.024	0.0019	ND(0.0031)	ND(0.0031)	ND(0.003)	ND(0.0066)	ND(0.0024)	ND(0.0024)	ND(0.0024)	ND(0.0011)
	12/10/08	1.64	0.023 J	0.0063 J	ND(0.001)	ND(0.00076)	ND(0.00066)	ND(0.00065)	ND(0.00065)	ND(0.00065)	ND(0.00059)	ND(0.0087)	ND(0.0034)	0.0057	ND(0.00067)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0024)	ND(0.00089)	ND(0.00089)	ND(0.00088)	ND(0.00042)
	12/11/08	1.64	0.0092 JB	0.0025 J	ND(0.001)	ND(0.00076)	ND(0.00066)	ND(0.00065)	ND(0.00065)	ND(0.00065)	ND(0.00059)	ND(0.0087)	ND(0.0034)	ND(0.002)	ND(0.00067)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0024)	ND(0.00089)	ND(0.00089)	ND(0.00088)	ND(0.00042)
	12/12/08	2.36	0.028 J	0.0081 J	ND(0.0015)	ND(0.0011)	ND(0.00096)	ND(0.00094)	ND(0.00094)	ND(0.00094)	0.0015	ND(0.012)	ND(0.0048)	ND(0.0029)	ND(0.00097)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0035)	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.0006)
	12/12/08 Dup	2.36	0.0033 JB	ND(0.0007) J	ND(0.0015)	ND(0.0011)	ND(0.00096)	ND(0.00094)	ND(0.00094)	ND(0.00094)	ND(0.00085)	ND(0.012)	ND(0.0048)	ND(0.0029)	ND(0.00097)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0035)	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.0006)
	12/13/2008	1.96	0.0041 JB	0.00079 J	ND(0.0012)	ND(0.0009)	ND(0.00079)	ND(0.00078)	ND(0.00078)	ND(0.00078)	ND(0.00071)	ND(0.01)	ND(0.004)	ND(0.0024)	ND(0.0008)	ND(0.0014)	ND(0.0013)	ND(0.0013)	ND(0.0029)	ND(0.0011)	ND(0.0011)	ND(0.001)	ND(0.0005)
Float-OA3	3/22/05	1.68	0.0044	ND(0.0025)	ND(0.001)	ND(0.00077)	ND(0.00068)	ND(0.00067)	ND(0.00067)	ND(0.0033)	ND(0.003)	ND(0.009)	ND(0.0034)	ND(0.0021)	ND(0.0034)	ND(0.0012)	ND(0.0012)	ND(0.0011)	ND(0.0025)	ND(0.00092)	ND(0.00092)	ND(0.0009)	ND(0.00043)
	3/23/05	1.83	0.01	ND(0.0027)	ND(0.0012)	ND(0.00084)	ND(0.00074)	ND(0.00072)	ND(0.00072)	ND(0.0036)	ND(0.0033)	ND(0.0098)	ND(0.0037)	ND(0.0022)	ND(0.0037)	ND(0.0013)	ND(0.0012)	ND(0.0012)	ND(0.0027)	ND(0.001)	ND(0.001)	ND(0.00098)	ND(0.00047)
	3/24/05	2.17	0.0075	ND(0.0032)	ND(0.0014)	ND(0.001)	ND(0.00088)	ND(0.00086)	ND(0.00086)	ND(0.0043)	ND(0.0039)	ND(0.012)	ND(0.0044)	ND(0.0027)	ND(0.0044)	ND(0.0015)	ND(0.0015)	ND(0.0015)	ND(0.0032)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.00055)
	3/25/05	1.91	0.017	0.0055	ND(0.0012)	ND(0.00088)	ND(0.00077)	ND(0.00076)	ND(0.00076)	ND(0.0038)	ND(0.0034)	ND(0.01)	ND(0.0039)	ND(0.0023)	ND(0.0039)	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.0028)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.00049)
	3/26/05	1.71	0.0075 J	ND(0.0025)	ND(0.0011)	ND(0.00079)	ND(0.00069)	ND(0.00068)	ND(0.00068)	ND(0.0034)	ND(0.0031)	ND(0.0091)	ND(0.0035)	ND(0.0021)	ND(0.0035)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.01)	ND(0.00093)	ND(0.00093)	ND(0.00092)	ND(0.00044)
	3/28/05	2.01	0.01	ND(0.003)	ND(0.0013)	ND(0.00092)	ND(0.00081)	ND(0.0008)	ND(0.0008)	ND(0.004)	ND(0.0036)	ND(0.011)	ND(0.0041)	ND(0.0025)	ND(0.0041)	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.012)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.00051)
	3/29/05	2.3	0.024	ND(0.0034)	0.0014 J	ND(0.001)	ND(0.00093)	ND(0.00091)	ND(0.00091)	ND(0.0046)	ND(0.0041)	ND(0.012)	ND(0.0047)	ND(0.0028)	ND(0.0047)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.014)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.00059)
	3/30/05	1.79	0.0081	ND(0.0026)	ND(0.0011)	ND(0.00082)	ND(0.00072)	ND(0.00071)	ND(0.00071)	ND(0.0035)	ND(0.0032)	ND(0.0095)	ND(0.0037)	ND(0.0022)	ND(0.0037)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.01)	ND(0.00098)	ND(0.00098)	ND(0.00096)	ND(0.00046)
	4/2/05	2.51	0.011	ND(0.0037)	ND(0.0016)	ND(0.0012)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.005)	ND(0.0045)	ND(0.013)	ND(0.0051)	ND(0.0031)	ND(0.0051)	ND(0.0017)	ND(0.0017)	ND(0.0017)	ND(0.015)	ND(0.0014)	ND(0.0014)	ND(0.0013)	ND(0.00064)
	4/4/05	2.44	0.025	0.0045	ND(0.0015)	ND(0.0011)	ND(0.00099)	ND(0.00097)	ND(0.00097)	ND(0.0048)	ND(0.0044)	ND(0.013)	ND(0.005)	ND(0.003)	ND(0.005)	ND(0.0017)	ND(0.0017)	ND(0.0016)	ND(0.014)	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.00062)
	4/5/05	5.03	0.011	ND(0.0074)	0.0032 J	ND(0.0023)	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.0091)	ND(0.027)	ND(0.01)	ND(0.0062)	ND(0.01)	ND(0.0035)	ND(0.0034)	ND(0.0034)	ND(0.03)	ND(0.0027)	ND(0.0027)	ND(0.0027)	ND(0.0013)
	4/6/05	1.91	0.012	0.0034	ND(0.0012)	ND(0.00088)	ND(0.00077)	ND(0.00076)	ND(0.00076)	ND(0.0038)	ND(0.0034)	ND(0.01)	ND(0.0039)	ND(0.0023)	ND(0.0039)	0.0028	ND(0.0013)	ND(0.0013)	ND(0.011)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.00049)
	4/7/05	1.79	0.016	0.0047	ND(0.0011)	ND(0.00082)	ND(0.00072)	ND(0.00071)	ND(0.00071)	ND(0.0035)	ND(0.0032)	ND(0.0095)	ND(0.0037)	ND(0.0022)	ND(0.0037)	0.0014	ND(0.0012)	ND(0.0012)	ND(0.01)	ND(0.00098)	ND(0.00098)	ND(0.00096)	ND(0.00046)
	4/8/05	2.12	0.0076	ND(0.0031)	ND(0.0013)	ND(0.00098)	ND(0.00086)	ND(0.00084)	ND(0.00084)	ND(0.0042)	ND(0.0038)	ND(0.011)	ND(0.0043)	ND(0.0026)	ND(0.0043)	ND(0.0015)	ND(0.0014)	ND(0.0014)	ND(0.012)	ND(0.0012)	ND(0.0012)	ND(0.0011)	ND(0.00054)
	4/9/05	2.06	0.015	ND(0.003)	ND(0.0013)	ND(0.00095)	ND(0.00083)	ND(0.00082)	ND(0.00082)	ND(0.0041)	ND(0.0037)	ND(0.011)	ND(0.0042)	ND(0.0025)	ND(0.0042)	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.012)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.00053)
	4/9/05 Dup	1.96	0.0057	ND(0.0029)	ND(0.0012)	ND(0.0009)	ND(0.00079)	ND(0.00078)	ND(0.00078)	ND(0.0039)	ND(0.0035)	ND(0.01)	ND(0.004)	ND(0.0024)	ND(0.004)	ND(0.0014)	ND(0.0013)	ND(0.0013)	ND(0.012)	ND(0.0011)	ND(0.0011)	ND(0.001)	ND(0.0005)
	4/11/05	2.36	0.027	0.0051	ND(0.0015)	ND(0.0011)	ND(0.00096)	ND(0.00094)	ND(0.00094)	ND(0.0047)	ND(0.0042)	ND(0.012)	ND(0.0048)	ND(0.0029)	ND(0.0048)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.014)	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.0006)
	4/12/05	2.23	0.0088	ND(0.0033)	ND(0.0014)	ND(0.001)	ND(0.0009)	ND(0.00088)	ND(0.00088)	ND(0.0044)	ND(0.004)	ND(0.012)	ND(0.0046)	ND(0.0027)	ND(0.0046)	ND(0.0015)	ND(0.0015)	0.0068	ND(0.013)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.00057)
	4/13/05	2.01	0.011	0.0038	ND(0.0013)	ND(0.00092)	ND(0.00081)	ND(0.0008)	ND(0.0008)	ND(0.004)	ND(0.0036)	ND(0.011)	ND(0.0041)	ND(0.0025)	ND(0.0041)	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.012)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.00051)
	4/14/05	3.83	0.015	ND(0.0056)	ND(0.0024)	ND(0.0018)	ND(0.0016)	ND(0.0015)	ND(0.0015)	ND(0.0076)	ND(0.0069)	ND(0.02)	ND(0.0078)	ND(0.0047)	ND(0.0078)	ND(0.0027)	ND(0.0026)	0.0037	ND(0.022)	ND(0.0021)	ND(0.0021)	ND(0.002)	ND(0.00098)
	4/15/05	2.12	0.015	ND(0.0031)	ND(0.0013)	ND(0.00098)	ND(0.00086)	ND(0.00084)	ND(0.00084)	ND(0.0042)	ND(0.0038)	ND(0.011)	ND(0.0043)	ND(0.0026)	ND(0.0043)	ND(0.0015)	ND(0.0014)	ND(0.0014)	ND(0.012)	ND(0.0012)	ND(0.0012)	ND(0.0011)	ND(0.00054)
	5/2/05	2.17	0.0043	ND(0.0032)	ND(0.0014)	ND(0.001)	ND(0.00088)	ND(0.00086)	ND(0.00086)	ND(0.0043)	ND(0.0039)	ND(0.012)	ND(0.0044)	ND(0.0027)	ND(0.0044)	ND(0.0015)	ND(0.0015)	ND(0.0015)	ND(0.013)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.00055)
	5/3/05	2.23	0.0056	ND(0.0033)	ND(0.0014)	ND(0.001)	ND(0.0009)	ND(0.00088)	ND(0.00088)	ND(0.0044)	ND(0.004)	ND(0.012)	ND(0.0046)	ND(0.0027)	ND(0.0046)	ND(0.0015)	ND(0.0015)	ND(0.0015)	ND(0.013)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.00057)

US EPA ARCHIVE DOCUMENT

TABLE 2-9b. OUTDOOR AIR ANALYTICAL RESULTS SUMMARY, SOLVENT RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Sample ID	Date	Dilution Factor	Acetone mg/m^3	2-Butanone mg/m^3	Carbon tetrachloride mg/m^3	Chloro-benzene mg/m^3	1,1-Dichloro-ethane mg/m^3	1,1-Dichloro-ethene mg/m^3	cis-1,2-Dichloroethene mg/m^3	trans-1,2-Dichloroethene mg/m^3	1,4-Dioxane mg/m^3	Hexachloro-butadiene mg/m^3	2-Hexanone mg/m^3	Isopropanol mg/m^3	4-Methyl-2-Pentanone mg/m^3	Methylene Chloride mg/m^3	1,1,2,2-Tetrachloro-ethane mg/m^3	Tetrachloro-ethene mg/m^3	Tetrahydro-furan mg/m^3	1,1,1-Trichloro-ethane mg/m^3	1,1,2-Trichloro-ethane mg/m^3	Trichloro-ethene mg/m^3	Vinyl Chloride mg/m^3
Float-OA3	5/4/05	3.5	0.0062	ND(0.0052)	ND(0.0022)	ND(0.0016)	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.0069)	ND(0.0063)	ND(0.019)	ND(0.0072)	ND(0.0043)	ND(0.0072)	ND(0.0024)	ND(0.0024)	ND(0.0024)	ND(0.021)	ND(0.0019)	ND(0.0019)	ND(0.0019)	ND(0.00089)
	5/11/05	2.17	0.03	ND(0.0032)	ND(0.0014)	ND(0.001)	ND(0.00088)	ND(0.00086)	ND(0.00086)	ND(0.0043)	ND(0.0039)	ND(0.012)	ND(0.0044)	ND(0.0027)	ND(0.0044)	0.0043	ND(0.0015)	ND(0.0015)	ND(0.013)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.00055)
	9/6/05	1.91	0.024	0.0039	ND(0.0012)	ND(0.00088)	ND(0.00077)	ND(0.00076)	ND(0.00076)	ND(0.0038)	ND(0.0034)	ND(0.01)	ND(0.0039)	ND(0.0023)	ND(0.0039)	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.011)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.00049)
	9/7/05	2.01	0.017	ND(0.003)	ND(0.0013)	ND(0.00092)	ND(0.00081)	ND(0.0008)	ND(0.0008)	ND(0.004)	ND(0.0036)	ND(0.011)	ND(0.0041)	ND(0.0025)	ND(0.0041)	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.012)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.00051)
	9/8/05	1.96	0.053	0.01	ND(0.0012)	ND(0.0009)	ND(0.00079)	ND(0.00078)	ND(0.00078)	ND(0.0039)	ND(0.0035)	ND(0.01)	ND(0.004)	ND(0.0024)	ND(0.004)	ND(0.0014)	ND(0.0013)	ND(0.0013)	ND(0.012)	ND(0.0011)	ND(0.0011)	ND(0.001)	ND(0.0005)
	9/9/05	4.23	0.016	ND(0.0062)	ND(0.0027)	ND(0.0019)	ND(0.0017)	ND(0.0017)	ND(0.0017)	ND(0.0084)	ND(0.0076)	ND(0.022)	ND(0.0087)	ND(0.0052)	ND(0.0087)	ND(0.0029)	ND(0.0029)	ND(0.0029)	ND(0.025)	ND(0.0023)	ND(0.0023)	ND(0.0023)	ND(0.0011)
	6/27/06	1.71	0.022	ND(0.0025)	ND(0.0011)	ND(0.00079)	ND(0.00069)	ND(0.00068)	ND(0.00068)	ND(0.0034)	ND(0.0031)	ND(0.0091)	ND(0.0035)	ND(0.0021)	ND(0.0035)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.01)	ND(0.00093)	ND(0.00093)	ND(0.00092)	ND(0.00044)
	6/28/06	2.59	0.011	ND(0.0038)	ND(0.0016)	ND(0.0012)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0051)	ND(0.0047)	ND(0.014)	ND(0.0053)	ND(0.0032)	ND(0.0053)	ND(0.0018)	ND(0.0018)	ND(0.0018)	ND(0.015)	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.00066)
	7/5/06	2.23	0.018	ND(0.0033)	ND(0.0014)	ND(0.001)	ND(0.0009)	ND(0.00088)	ND(0.00088)	ND(0.0044)	ND(0.004)	ND(0.012)	ND(0.0046)	ND(0.0027)	ND(0.0046)	ND(0.0015)	ND(0.0015)	ND(0.0015)	ND(0.013)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.00057)
	7/6/06	1.91	0.013	ND(0.0028)	ND(0.0012)	ND(0.00088)	ND(0.00077)	ND(0.00076)	ND(0.00076)	ND(0.0038)	ND(0.0034)	ND(0.01)	ND(0.0039)	ND(0.0023)	ND(0.0039)	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.011)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.00049)
	7/7/06	2.17	0.01	ND(0.0032)	ND(0.0014)	ND(0.001)	ND(0.00088)	ND(0.00086)	ND(0.00086)	ND(0.0043)	ND(0.0039)	ND(0.012)	ND(0.0044)	ND(0.0027)	ND(0.0044)	ND(0.0015)	ND(0.0015)	0.0029	ND(0.013)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.00055)
	11/27/06	2.12	0.024	0.0032 J	ND(0.0013)	ND(0.00098)	ND(0.00086)	ND(0.00084)	ND(0.00084)	ND(0.00084)	ND(0.00076)	ND(0.011)	ND(0.0043)	0.0062	ND(0.00087)	ND(0.0015)	ND(0.0014)	ND(0.0014)	ND(0.0031)	ND(0.0012)	ND(0.0012)	ND(0.0011)	ND(0.00054)
	11/30/06	1.96	0.029	0.0058 J	ND(0.0012)	ND(0.0009)	ND(0.00079)	ND(0.00078)	ND(0.00078)	ND(0.00078)	ND(0.00071)	ND(0.01)	ND(0.004)	ND(0.0024)	ND(0.0008)	0.0028	ND(0.0013)	ND(0.0013)	ND(0.0029)	ND(0.0011)	ND(0.0011)	ND(0.001)	ND(0.0005)
	12/14/06	1.58	0.0076	ND(0.00046)	ND(0.00099)	ND(0.00073)	ND(0.00064)	ND(0.00063)	ND(0.00063)	ND(0.00063)	ND(0.00057)	ND(0.0084)	ND(0.0032)	ND(0.0019)	ND(0.00065)	0.00056 J	ND(0.0011)	ND(0.0011)	ND(0.0023)	ND(0.00086)	ND(0.00086)	ND(0.00085)	ND(0.0004)
	12/15/06	1.52	0.0053	ND(0.00045)	ND(0.00096)	ND(0.0007)	ND(0.00062)	ND(0.0006)	ND(0.0006)	ND(0.0006)	ND(0.00055)	ND(0.0081)	ND(0.0031)	ND(0.0019)	ND(0.00062)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0022)	ND(0.00083)	ND(0.00083)	ND(0.00082)	ND(0.00039)
	12/16/06	1.96	0.02 J	0.002 J	ND(0.0012)	ND(0.0009)	ND(0.00079)	ND(0.00078)	ND(0.00078)	ND(0.00078)	ND(0.00071)	ND(0.01)	ND(0.004)	ND(0.0024)	ND(0.0008)	ND(0.0014)	ND(0.0013)	ND(0.0013)	ND(0.0029)	ND(0.0011)	ND(0.0011)	ND(0.001)	ND(0.0005)
	12/16/06 Dup	1.83	0.0045 J	0.00073 J	ND(0.0012)	ND(0.00084)	ND(0.00074)	ND(0.00072)	ND(0.00072)	ND(0.00072)	ND(0.00066)	ND(0.0098)	ND(0.0037)	ND(0.0022)	ND(0.00075)	ND(0.0013)	ND(0.0012)	ND(0.0012)	ND(0.0027)	ND(0.001)	ND(0.001)	ND(0.00098)	ND(0.00047)
	6/26/07	2.51	0.03	0.0027	ND(0.0016)	ND(0.0012)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0009)	ND(0.013)	ND(0.0051)	ND(0.0031)	ND(0.001)	ND(0.0017)	ND(0.0017)	ND(0.0017)	ND(0.0037)	ND(0.0014)	ND(0.0014)	ND(0.0013)	ND(0.00064)
	6/27/07	2.23	0.014	0.0012	ND(0.0014)	ND(0.001)	ND(0.0009)	ND(0.00088)	ND(0.00088)	ND(0.00088)	ND(0.0008)	ND(0.012)	ND(0.0046)	ND(0.0027)	ND(0.00091)	ND(0.0015)	ND(0.0015)	ND(0.0015)	ND(0.0033)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.00057)
	6/28/07	2.23	0.019	0.0024	ND(0.0014)	ND(0.001)	ND(0.0009)	ND(0.00088)	ND(0.00088)	ND(0.00088)	ND(0.0008)	ND(0.012)	ND(0.0046)	ND(0.0027)	0.0016	ND(0.0015)	ND(0.0015)	ND(0.0015)	ND(0.0033)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.00057)
	7/2/07	2.01	0.011	0.0013	ND(0.0013)	ND(0.00092)	ND(0.00081)	ND(0.0008)	ND(0.0008)	ND(0.0008)	ND(0.00072)	ND(0.011)	ND(0.0041)	ND(0.0025)	ND(0.00082)	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.003)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.00051)
	7/3/07	1.91	0.0082	0.0012	ND(0.0012)	ND(0.00088)	ND(0.00077)	ND(0.00076)	ND(0.00076)	ND(0.00076)	ND(0.00069)	ND(0.01)	ND(0.0039)	ND(0.0023)	ND(0.00078)	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.0028)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.00049)
FLOAT	4/18/08	3.09	0.014 J	0.0011 J	ND(0.0019)	ND(0.0014)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.0011)	ND(0.016)	ND(0.0063)	0.0084 J	ND(0.0013)	ND(0.0021)	ND(0.0021)	ND(0.0021)	ND(0.0046)	ND(0.0017)	ND(0.0017)	ND(0.0017)	ND(0.00079)
	4/19/08	2.68	0.01 J	0.00082 J	ND(0.0017)	ND(0.0012)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.00096)	ND(0.014)	ND(0.0055)	0.22 J	ND(0.0011)	ND(0.0019)	ND(0.0018)	ND(0.0018)	ND(0.004)	ND(0.0015)	ND(0.0015)	ND(0.0014)	ND(0.00068)
	4/20/08	4.02	0.044 J	0.0051 J	ND(0.0025)	ND(0.0018)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0014)	ND(0.021)	ND(0.0082)	ND(0.0049) J	ND(0.0016)	ND(0.0028)	ND(0.0028)	ND(0.0027)	ND(0.0059)	ND(0.0022)	ND(0.0022)	ND(0.0022)	ND(0.001)
	4/21/08	1.61	0.014 J	0.0015 J	ND(0.001)	ND(0.00074)	ND(0.00065)	ND(0.00064)	ND(0.00064)	ND(0.00064)	ND(0.00058)	ND(0.0086)	ND(0.0033)	0.0053 J	ND(0.00066)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0024)	ND(0.00088)	ND(0.00088)	ND(0.00086)	ND(0.00041)
	4/22/08	1.79	0.023 J	0.0028 J	ND(0.0011)	ND(0.00082)	ND(0.00072)	ND(0.00071)	ND(0.00071)	ND(0.00071)	ND(0.00064)	ND(0.0095)	ND(0.0037)	0.008 J	ND(0.00073)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.0026)	ND(0.00098)	ND(0.00098)	ND(0.00096)	ND(0.00046)
	4/23/08	1.87	0.019 J	0.004 J	ND(0.0012)	ND(0.00086)	ND(0.00076)	ND(0.00074)	ND(0.00074)	ND(0.00074)	ND(0.00067)	ND(0.01)	ND(0.0038)	0.0091 J	ND(0.00077)	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.0028)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.00048)
	4/24/08	2.17	0.009 J	0.00096 J	ND(0.0014)	ND(0.001)	ND(0.00088)	ND(0.00086)	ND(0.00086)	ND(0.00086)	ND(0.00078)	ND(0.012)	ND(0.0044)	0.0074 J	ND(0.00089)	ND(0.0015)	ND(0.0015)	ND(0.0015)	ND(0.0032)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.00055)
	4/25/08	1.83	0.024 J	0.0019 J	ND(0.0012)	ND(0.00084)	ND(0.00074)	ND(0.00072)	ND(0.00072)	ND(0.00072)	ND(0.00066)	ND(0.0098)	ND(0.0037)	0.054 J	ND(0.00075)	ND(0.0013)	ND(0.0012)	ND(0.0012)	ND(0.0027)	ND(0.001)	ND(0.001)	ND(0.00098)	ND(0.00047)
	4/25/08 Dup	1.83	0.027 J	0.0084 J	ND(0.0012)	ND(0.00084)	ND(0.00074)	ND(0.00072)	ND(0.00072)	ND(0.00072)	ND(0.00066)	ND(0.0098)	ND(0.0037)	0.02 J	ND(0.00075)	ND(0.0013)	ND(0.0012)	ND(0.0012)	ND(0.0027)	ND(0.001)	ND(0.001)	ND(0.00098)	ND(0.00047)
	4/28/08	2.51	0.006 J	ND(0.00074) J	ND(0.0016)	ND(0.0012)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0009)	ND(0.013)	ND(0.0051)	ND(0.0031) J	ND(0.001)	ND(0.0017)	ND(0.0017)	ND(0.0017)	ND(0.0037)	ND(0.0014)	ND(0.0014)	ND(0.0013)	ND(0.00064)
	9/5/08	1.46	0.028 JB	0.01 JB	ND(0.00092)	ND(0.00067)	ND(0.00059)	ND(0.00058)	ND(0.00058)	ND(0.00058)	ND(0.00053)	ND(0.0078)	ND(0.003)	0.082 JB	ND(0.0006)	0.0032	ND(0.001)	0.0027	ND(0.0022)	ND(0.0008)	ND(0.0008)	ND(0.00078)	ND(0.00037)
	9/6/08	1.75	0.019 J	0.0032 J	ND(0.0011)	ND(0.0008)	ND(0.00071)	ND(0.00069)	ND(0.00069)	ND(0.00069)	ND(0.00063)	ND(0.0093)	ND(0.0036)	0.004 J	ND(0.00072)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.0026)	ND(0.00095)	ND(0.00095)	ND(0.00094)	ND(0.00045)
	9/7/08	2.51	0.064 JB	0.015 JB	ND(0.0016)	ND(0.0012)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0009)	ND(0.013)	ND(0.0051)	0.0061 J	ND(0.001)	ND(0.0017)	ND(0.0017)	ND(0.0017)	ND(0.0037)	ND(0.0014)	ND(0.0014)	ND(0.0013)	ND(0.00064)
	9/8/08	1.83	0.0087 J	0.0012 J	ND(0.0012)	ND(0.00084)	ND(0.00074)	ND(0.00072)	ND(0.00072)	ND(0.00072)	ND(0.00066)	ND(0.0098)	ND(0.0037)	0.0042 J	ND(0.00075)	ND(0.0013)	ND(0.0012)	ND(0.0012)	ND(0.0027)	ND(0.001)	ND(0.001)	ND(0.00098)	ND(0.00047)
	9/9/08	2.01	0.01 J	0.0014 J	ND(0.0013)	ND(0.00092)	ND(0.00081)	ND(0.0008)	ND(0.0008)	ND(0.0008)	ND(0.00072)	ND(0.011)	ND(0.0041)	0.0048 J	ND(0.00082)	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.003)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.00051)
	9/9/08 Dup	2.01	0.0089 J	0.0014 J	ND(0.0013)	ND(0.00092)	ND(0.00081)	ND(0.0008)	ND(0.0008)	ND(0.0008)	ND(0.00072)	ND(0.011)	ND(0.0041)	0.0049 J	ND(0.00082)	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.003)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.00051)
	12/6/08	1.61	0.0062 JB	0.0011 J	ND(0.001)	ND(0.00074)	ND(0.00065)	ND(0.00064)	ND(0.00064)	ND(0.00064)	ND(0.00058)	ND(0.0086)	ND(0.0033)	0.0082	ND(0.00066)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0024)	ND(0.00088)	ND(0.00088)	ND(0.00086)	ND(0.00041)
	12/7/08	1.68	0.016 JB	0.0032 J	ND(0.001)	ND(0.00077)	ND(0.00068)	ND(0.00067)	ND(0.00067)	ND(0.00067)	ND(0.0006)	ND(0.009)	ND(0.0034)	ND(0.0021)	ND(0.00069)	ND(0.0012)	ND(0.0012)	ND(0.0011)	ND(0.0025)	ND(0.00092)	ND(0.00092)	ND(0.0009)	ND(0.00043)
	12/8/08	1.79	0.021 J	0.0013 J	ND(0.0011)	ND(0.00082)	ND(0.00072)	ND(0.00071)	ND(0.00071)	ND(0.00071)	ND(0.00064)	ND(0.0095)	ND(0.0037)	ND(0.0022)	ND(0.00073)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.0026)	ND(0.00098)	ND(0.00098)	ND(0.00096)	ND(0.00046)
	12/9/08	2.59	0.018 JB	0.0077 J	ND(0.0016)	ND(0.0012)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.00093)	ND(0.014)	ND(0.0053)	0.01	ND(0.0011)	ND(0.0018)	ND(0.0018)	ND(0.0018)	ND(0.0038)	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.00066)
	12/10/08	1.71	0.01 JB	0.0032 J	ND(0.0011)	ND(0.00079)	ND(0.00069)	ND(0.00068)	ND(0.00068)	ND(0.00068)	ND(0.00062)	ND(0.0091)	ND(0.0035)	0.0024	ND(0.0007)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.0025)	ND(0.00093)	ND(0.00093)	ND(0.00092)	ND(0.00044)
	12/11/08	2.36	0.0065 JB	0.0026 J	ND(0.0015)	ND(0.0011)	ND(0.00096)	ND(0.00094)	ND(0.00094)	ND(0.00094)	ND(0.00085)	ND(0.012)	ND(0.0048)	ND(0.0029)	ND(0.00097)	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0035)	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.0006)
	12/12/08	1.71	0.0096 JB	0.0021 J	ND(0.0011)	ND(0.00079)	ND(0.00069)	ND(0.00068)	ND(0.00068)	ND(0.00068)	ND(0.00062)	ND(0.0091)	ND(0.0035)	0.0028	ND(0.0007)	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.0025)	ND(0.00093)	ND(0.00093)	ND(0.00092)	ND(0.00044)
	12/13/08	1.61	0.0071 JB	0.00096 J	ND(0.001)	ND(0.00074)	ND(0.00065)	ND(0.00064)	ND(0.00064)	ND(0.00064)	ND(0.00058)	ND(0.0086)	ND(0.0033)	0.0036	ND(0.00066)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0024)	ND(0.00088)	ND(0.00088)	ND(0.00086)	ND(0.00041)
	3/5/09	1.58	0.0084	0.0011	ND(0.00099)	ND(0.00073)	ND(0.00064)	ND(0.00063)	ND(0.00063)	ND(0.00063)	ND(0.00057)	ND(0.0084)	ND(0.0032)	0.0083	ND(0.00065)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0023)	ND(0.00086)	ND(0.00086)	ND(0.00085)	ND(0.0004)

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TABLE 2-9b. OUTDOOR AIR ANALYTICAL RESULTS SUMMARY, SOLVENT RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Sample ID	Date	Dilution Factor	Acetone mg/m^3	2-Butanone mg/m^3	Carbon tetrachloride mg/m^3	Chloro-benzene mg/m^3	1,1-Dichloro-ethane mg/m^3	1,1-Dichloro-ethene mg/m^3	cis-1,2-Dichloroethene mg/m^3	trans-1,2-Dichloroethene mg/m^3	1,4-Dioxane mg/m^3	Hexachloro-butadiene mg/m^3	2-Hexanone mg/m^3	Isopropanol mg/m^3	4-Methyl-2-Pentanone mg/m^3	Methylene Chloride mg/m^3	1,1,2,2-Tetrachloro-ethane mg/m^3	Tetrachloro-ethene mg/m^3	Tetrahydro-furan mg/m^3	1,1,1-Trichloro-ethane mg/m^3	1,1,2-Trichloro-ethane mg/m^3	Trichloro-ethene mg/m^3	Vinyl Chloride mg/m^3
FLOAT	9/29/09	1.68	0.058 JB	0.011 J	ND(0.001)	ND(0.00077)	ND(0.00068)	ND(0.00067)	ND(0.00067)	ND(0.00067)	ND(0.0006)	ND(0.009)	ND(0.0034)	0.0036	ND(0.00069)	ND(0.0012)	ND(0.0012)	ND(0.0011)	ND(0.0025)	ND(0.00092)	ND(0.00092)	ND(0.0009)	ND(0.00043)
	9/30/09	1.83	0.064 JB	0.044 J	ND(0.0012)	ND(0.00084)	ND(0.00074)	ND(0.00072)	ND(0.00072)	ND(0.00072)	ND(0.00066)	ND(0.0098)	ND(0.0037)	0.0038	0.0029	ND(0.0013)	ND(0.0012)	0.0014	ND(0.0027)	ND(0.001)	ND(0.001)	ND(0.00098)	ND(0.00047)
	10/1/09	1.94	0.024 JB	0.0026 JB	ND(0.0012)	ND(0.00089)	ND(0.00078)	ND(0.00077)	ND(0.00077)	ND(0.00077)	ND(0.0007)	ND(0.01)	ND(0.004)	0.17	ND(0.00079)	0.0032	ND(0.0013)	ND(0.0013)	ND(0.0029)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0005)
	10/2/09	2.06	0.047 JB	0.011 J	ND(0.0013)	ND(0.00095)	ND(0.00083)	ND(0.00082)	ND(0.00082)	ND(0.00082)	0.00079	ND(0.011)	ND(0.0042)	0.0025	ND(0.00084)	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.003)	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.00053)
	10/2/09 Dup	1.96	0.041 JB	0.003 JB	ND(0.0012)	ND(0.0009)	ND(0.00079)	ND(0.00078)	ND(0.00078)	ND(0.00078)	ND(0.00071)	ND(0.01)	ND(0.004)	ND(0.0024)	ND(0.0008)	ND(0.0014)	ND(0.0013)	ND(0.0013)	ND(0.0029)	ND(0.0011)	ND(0.0011)	ND(0.001)	ND(0.0005)
Average Outdoor Air Concentration			0.0064	0.0013	ND(0.00025)	ND(0.00025)	ND(0.00025)	ND(0.00025)	ND(0.00025)	--	--	ND(0.00025)	--	--	ND(0.00025)	ND(0.00025)	ND(0.00025)	ND(0.00025)	ND(0.00025)	ND(0.00025)	ND(0.00025)	ND(0.00025)	ND(0.00025)

NOTES:

Average outdoor air concentrations are reported as the 50th percentile values from the *New York State Department of Health Summary of Indoor and Outdoor Levels of Volatile Organic Compounds from Fuel Oil Heated Homes in New York State (1997-2003*), updated November 14, 2005

B - Constituent detected in blank sample

D – Analyte concentration in the initial dilution exceeded instrument calibration range. The reported value for the qualified analyte is from an analysis run at higher dilution.

E – Concentration of analyte exceeded instrument calibration range

J – Value is estimated and should be used with consideration or qualitative purposes

R – Value has been rejected and should not be used for qualitative or quantitative purposes

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TABLE 2-9c. OUTDOOR AIR ANALYTICAL RESULTS SUMMARY, WATER TREATMENT RELATED AND OTHER CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Sample ID	Date	Dilution Factor	Benzyl chloride mg/m^3	Bromo-methane mg/m^3	Carbon Disulfide mg/m^3	Chloro-ethane mg/m^3	Chloro-methane mg/m^3	1,2-Dichloro-benzene mg/m^3	1,3-Dichloro-benzene mg/m^3	1,4-Dichloro-benzene mg/m^3	Dichloro-difluoro-methane mg/m^3	1,2-Dichloro-propane mg/m^3	cis-1,3-Dichloro-propene mg/m^3	trans-1,3-Dichloro-propene mg/m^3	1,2-Dichloro-1,1,2,2- tetrafluoro-ethane mg/m^3	Ethanol mg/m^3	1,1,2-Trichloro-trifluoroethane mg/m^3	1,2,4-Trichloro-benzene mg/m^3	Trichloro-fluoromethane mg/m^3	Bromo-dichloro-methane mg/m^3	Bromoform mg/m^3	Chloroform mg/m^3	Dibromo-chloro-methane mg/m^3
CHI2-OA2	3/22/05	1.61	ND(0.00083)	ND(0.00062)	ND(0.0025)	0.0011	0.0008	ND(0.00097)	ND(0.00097)	ND(0.00097)	0.0024	ND(0.00074)	ND(0.00073)	ND(0.00073)	ND(0.0011)	0.0037 J	ND(0.0012)	ND(0.006)	0.0012	ND(0.0054)	ND(0.0083)	ND(0.00079)	ND(0.0068)
	3/23/05	1.58	ND(0.00082)	ND(0.00061)	ND(0.0025)	ND(0.00042)	ND(0.00033)	ND(0.00095)	ND(0.00095)	ND(0.00095)	0.0026	ND(0.00073)	ND(0.00072)	ND(0.00072)	ND(0.0011)	0.0034	ND(0.0012)	ND(0.0059)	0.0011	ND(0.0053)	ND(0.0082)	ND(0.00077)	ND(0.0067)
	3/24/05	1.58	ND(0.00082)	ND(0.00061)	ND(0.0025)	ND(0.00042)	ND(0.00033)	ND(0.00095)	ND(0.00095)	ND(0.00095)	0.0025	ND(0.00073)	ND(0.00072)	ND(0.00072)	ND(0.0011)	0.0051	ND(0.0012)	ND(0.0059)	0.0013	ND(0.0053)	ND(0.0082)	ND(0.00077)	ND(0.0067)
	3/25/05	1.91	ND(0.00099)	ND(0.00074)	ND(0.003)	ND(0.0005)	0.001	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0025	ND(0.00088)	ND(0.00087)	ND(0.00087)	ND(0.0013)	0.0036	ND(0.0015)	ND(0.0071)	0.0012	ND(0.0064)	ND(0.0099)	ND(0.00093)	ND(0.0081)
	3/26/05	1.68	ND(0.00087)	ND(0.00065)	ND(0.0026)	ND(0.00044)	0.0016	ND(0.001)	ND(0.001)	ND(0.001)	0.0036	ND(0.00078)	ND(0.00076)	ND(0.00076)	ND(0.0012)	0.0056	ND(0.0013)	ND(0.0062)	0.0018	ND(0.0056)	ND(0.0087)	ND(0.00082)	ND(0.0072)
	3/28/05	1.87	ND(0.00097)	ND(0.00073)	ND(0.0029)	ND(0.00049)	0.0011	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0033	ND(0.00086)	ND(0.00085)	ND(0.00085)	ND(0.0013)	0.0032	ND(0.0014)	ND(0.0069)	0.0017	ND(0.0063)	ND(0.0097)	ND(0.00091)	ND(0.008)
	3/29/05	1.68	ND(0.00087)	ND(0.00065)	0.0047	ND(0.00044)	0.0012	ND(0.001)	ND(0.001)	ND(0.001)	0.0026	ND(0.00078)	ND(0.00076)	ND(0.00076)	ND(0.0012)	0.0029 J	ND(0.0013)	ND(0.0062)	0.0015	ND(0.0056)	ND(0.0087)	ND(0.00082)	ND(0.0072)
	3/30/05	1.79	ND(0.00093)	ND(0.0007)	ND(0.0028)	ND(0.00047)	0.00091	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0022	ND(0.00083)	ND(0.00081)	ND(0.00081)	ND(0.0012)	0.0023 J	ND(0.0014)	ND(0.0066)	0.0011	ND(0.006)	ND(0.0092)	ND(0.00087)	ND(0.0076)
	4/1/05	1.68	ND(0.00087)	ND(0.00065)	ND(0.0026)	ND(0.00044)	0.0013	ND(0.001)	ND(0.001)	ND(0.001)	0.0027	ND(0.00078)	ND(0.00076)	ND(0.00076)	ND(0.0012)	ND(0.0016)	ND(0.0013)	ND(0.0062)	0.0014	ND(0.0056)	ND(0.0087)	ND(0.00082)	ND(0.0072)
	4/2/05	2.36	ND(0.0012)	ND(0.00092)	ND(0.0037)	ND(0.00062)	0.0011	ND(0.0014)	ND(0.0014)	ND(0.0014)	0.0025	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0016)	0.0024 J	ND(0.0018)	ND(0.0088)	ND(0.0013)	ND(0.0079)	ND(0.012)	ND(0.0012)	ND(0.01)
	4/4/05	1.79	ND(0.00093)	ND(0.0007)	ND(0.0028)	ND(0.00047)	0.0013	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0028	ND(0.00083)	ND(0.00081)	ND(0.00081)	ND(0.0012)	0.0035 J	ND(0.0014)	ND(0.0066)	0.0016	ND(0.006)	ND(0.0092)	ND(0.00087)	ND(0.0076)
	4/4/05 Dup	1.79	ND(0.00093)	ND(0.0007)	ND(0.0028)	ND(0.00047)	0.0011	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0027	ND(0.00083)	ND(0.00081)	ND(0.00081)	ND(0.0012)	0.0035 J	ND(0.0014)	ND(0.0066)	0.0013	ND(0.006)	ND(0.0092)	ND(0.00087)	ND(0.0076)
	4/5/05	1.79	ND(0.00093)	ND(0.0007)	ND(0.0028)	ND(0.00047)	0.001	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0026	ND(0.00083)	ND(0.00081)	ND(0.00081)	ND(0.0012)	0.0058 J	ND(0.0014)	ND(0.0066)	0.0014	ND(0.006)	ND(0.0092)	ND(0.00087)	ND(0.0076)
	4/6/05	1.58	ND(0.00082)	ND(0.00061)	ND(0.0025)	ND(0.00042)	0.0012	ND(0.00095)	ND(0.00095)	ND(0.00095)	0.0032	ND(0.00073)	ND(0.00072)	ND(0.00072)	ND(0.0011)	0.0058 J	ND(0.0012)	ND(0.0059)	0.0017	ND(0.0053)	ND(0.0082)	ND(0.00077)	ND(0.0067)
	4/7/05	1.71	ND(0.00088)	ND(0.00066)	ND(0.0027)	ND(0.00045)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.0026	ND(0.00079)	ND(0.00078)	ND(0.00078)	ND(0.0012)	0.0032 J	ND(0.0013)	ND(0.0063)	0.0016	ND(0.0057)	ND(0.0088)	ND(0.00083)	ND(0.0073)
	4/8/05	1.75	ND(0.0009)	ND(0.00068)	ND(0.0027)	ND(0.00046)	0.0014	ND(0.001)	ND(0.001)	ND(0.001)	0.0028	ND(0.00081)	ND(0.00079)	ND(0.00079)	ND(0.0012)	0.0037 J	ND(0.0013)	ND(0.0065)	0.0014	ND(0.0059)	ND(0.009)	ND(0.00085)	ND(0.0074)
	4/9/05	2.01	ND(0.001)	ND(0.00078)	ND(0.0031)	ND(0.00053)	0.0011	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0026	ND(0.00093)	ND(0.00091)	ND(0.00091)	ND(0.0014)	0.0024 J	ND(0.0015)	ND(0.0074)	0.0014	ND(0.0067)	ND(0.01)	ND(0.00098)	ND(0.0086)
	4/11/05	1.79	ND(0.00093)	ND(0.0007)	ND(0.0028)	ND(0.00047)	0.0011	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0026	ND(0.00083)	ND(0.00081)	ND(0.00081)	ND(0.0012)	0.0032 J	ND(0.0014)	ND(0.0066)	0.0014	ND(0.006)	ND(0.0092)	ND(0.00087)	ND(0.0076)
	4/12/05	1.68	ND(0.00087)	ND(0.00065)	0.022	ND(0.00044)	0.0015	ND(0.001)	ND(0.001)	ND(0.001)	0.0026	ND(0.00078)	ND(0.00076)	ND(0.00076)	ND(0.0012)	0.0038 J	ND(0.0013)	ND(0.0062)	0.0015	ND(0.0056)	ND(0.0087)	ND(0.00082)	ND(0.0072)
	4/13/05	1.75	ND(0.0009)	ND(0.00068)	ND(0.0027)	ND(0.00046)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.0025	ND(0.00081)	ND(0.00079)	ND(0.00079)	ND(0.0012)	0.0046	ND(0.0013)	ND(0.0065)	0.0014	ND(0.0059)	ND(0.009)	ND(0.00085)	ND(0.0074)
	4/14/05	2.12	ND(0.0011)	ND(0.00082)	ND(0.0033)	ND(0.00056)	0.00099	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.0026	ND(0.00098)	ND(0.00096)	ND(0.00096)	ND(0.0015)	0.0029	ND(0.0016)	ND(0.0079)	ND(0.0012)	ND(0.0071)	ND(0.011)	ND(0.001)	ND(0.009)
	4/14/05 Dup	1.75	ND(0.0009)	ND(0.00068)	ND(0.0027)	ND(0.00046)	0.0011	ND(0.001)	ND(0.001)	ND(0.001)	0.0028	ND(0.00081)	ND(0.00079)	ND(0.00079)	ND(0.0012)	0.0034	ND(0.0013)	ND(0.0065)	0.0014	ND(0.0059)	ND(0.009)	ND(0.00085)	ND(0.0074)
	4/15/05	2.23	ND(0.0012)	ND(0.00087)	ND(0.0035)	ND(0.00059)	0.00096	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.0024	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0016)	0.011	ND(0.0017)	ND(0.0083)	0.0013	ND(0.0075)	ND(0.012)	ND(0.0011)	ND(0.0095)
	5/3/05	2.23	ND(0.0012)	ND(0.00087)	ND(0.0035)	ND(0.00059)	0.001	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.0026	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0016)	0.0022	ND(0.0017)	ND(0.0083)	ND(0.0012)	ND(0.0075)	ND(0.012)	ND(0.0011)	ND(0.0095)
	5/4/05 Dup	4.44	ND(0.0023)	ND(0.0017)	ND(0.0069)	ND(0.0012)	0.0011	ND(0.0027)	ND(0.0027)	ND(0.0027)	0.0026	ND(0.002)	ND(0.002)	ND(0.002)	ND(0.0031)	0.0094	ND(0.0034)	ND(0.016)	ND(0.0025)	ND(0.015)	ND(0.023)	ND(0.0022)	ND(0.019)
	5/11/05	2.12	ND(0.0011)	ND(0.00082)	ND(0.0033)	ND(0.00056)	0.001	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.0029	ND(0.00098)	ND(0.00096)	ND(0.00096)	ND(0.0015)	0.0069 J	ND(0.0016)	ND(0.0079)	0.0018	ND(0.0071)	ND(0.011)	ND(0.001)	ND(0.009)
HOO8-OA1	3/22/05	1.68	ND(0.00087)	ND(0.00065)	ND(0.0026)	ND(0.00044)	0.00082	ND(0.001)	ND(0.001)	ND(0.001)	0.0026	ND(0.00078)	ND(0.00076)	ND(0.00076)	ND(0.0012)	0.0018 J	ND(0.0013)	ND(0.0062)	0.0014	ND(0.0056)	ND(0.0087)	ND(0.00082)	ND(0.0072)
	3/23/05	1.61	ND(0.00083)	ND(0.00062)	ND(0.0025)	ND(0.00042)	ND(0.00033)	ND(0.00097)	ND(0.00097)	ND(0.00097)	0.0024	ND(0.00074)	ND(0.00073)	ND(0.00073)	ND(0.0011)	0.002	ND(0.0012)	ND(0.006)	0.0015	ND(0.0054)	ND(0.0083)	ND(0.00079)	ND(0.0068)
	3/24/05	1.68	ND(0.00087)	ND(0.00065)	ND(0.0026)	ND(0.00044)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.0025	ND(0.00078)	ND(0.00076)	ND(0.00076)	ND(0.0012)	0.0081	ND(0.0013)	ND(0.0062)	0.0013	ND(0.0056)	ND(0.0087)	ND(0.00082)	ND(0.0072)
	3/25/05	1.55	ND(0.0008)	ND(0.0006)	ND(0.0024)	ND(0.00041)	0.00096	ND(0.00093)	ND(0.00093)	ND(0.00093)	0.0027	ND(0.00072)	ND(0.0007)	ND(0.0007)	ND(0.0011)	0.0029	ND(0.0012)	ND(0.0058)	0.0013	ND(0.0052)	ND(0.008)	ND(0.00076)	ND(0.0066)
	3/26/05	1.68	ND(0.00087)	ND(0.00065)	ND(0.0026)	ND(0.00044)	0.00092	ND(0.001)	ND(0.001)	ND(0.001)	0.0029	ND(0.00078)	ND(0.00076)	ND(0.00076)	ND(0.0012)	0.002	ND(0.0013)	ND(0.0062)	0.0017	ND(0.0056)	ND(0.0087)	ND(0.00082)	ND(0.0072)
	3/28/05	1.79	ND(0.00093)	ND(0.0007)	ND(0.0028)	ND(0.00047)	0.001	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0023	ND(0.00083)	ND(0.00081)	ND(0.00081)	ND(0.0012)	0.0018	ND(0.0014)	ND(0.0066)	0.0014	ND(0.006)	ND(0.0092)	ND(0.00087)	ND(0.0076)
	3/29/05	1.75	ND(0.0009)	ND(0.00068)	ND(0.0027)	ND(0.00046)	0.0011	ND(0.001)	ND(0.001)	ND(0.001)	0.0027	ND(0.00081)	ND(0.00079)	ND(0.00079)	ND(0.0012)	0.0073 J	ND(0.0013)	ND(0.0065)	0.0017	ND(0.0059)	ND(0.009)	ND(0.00085)	ND(0.0074)
	3/30/05	1.79	ND(0.00093)	ND(0.0007)	ND(0.0028)	ND(0.00047)	0.0011	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0028	ND(0.00083)	ND(0.00081)	ND(0.00081)	ND(0.0012)	0.0055 J	ND(0.0014)	ND(0.0066)	0.0021	ND(0.006)	ND(0.0092)	ND(0.00087)	ND(0.0076)
	3/30/05 Dup	1.41	ND(0.00073)	ND(0.00055)	ND(0.0022)	ND(0.00037)	0.0012	ND(0.00085)	ND(0.00085)	ND(0.00085)	0.0028	ND(0.00065)	ND(0.00064)	ND(0.00064)	ND(0.00098)	0.0044 J	ND(0.0011)	ND(0.0052)	0.002	ND(0.0047)	ND(0.0073)	ND(0.00069)	ND(0.006)
	3/31/05	1.68	ND(0.00087)	ND(0.00065)	0.015	ND(0.00044)	0.0011	ND(0.001)	ND(0.001)	ND(0.001)	0.0026	ND(0.00078)	ND(0.00076)	ND(0.00076)	ND(0.0012)	0.0072 J	ND(0.0013)	ND(0.0062)	0.0023	ND(0.0056)	ND(0.0087)	ND(0.00082)	ND(0.0072)
	4/1/05	1.83	ND(0.00095)	ND(0.00071)	ND(0.0028)	ND(0.00048)	0.0011	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0027	ND(0.00084)	ND(0.00083)	ND(0.00083)	ND(0.0013)	0.0027 J	ND(0.0014)	ND(0.0068)	0.0014	ND(0.0061)	ND(0.0094)	ND(0.00089)	ND(0.0078)
	4/2/05	2.06	ND(0.0011)	ND(0.0008)	ND(0.0032)	ND(0.00054)	0.0011	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0027	ND(0.00095)	ND(0.00093)	ND(0.00093)	ND(0.0014)	ND(0.0019)	ND(0.0016)	ND(0.0076)	0.0012	ND(0.0069)	ND(0.011)	ND(0.001)	ND(0.0088)
	4/4/05	2.01	ND(0.001)	ND(0.00078)	ND(0.0031)	ND(0.00053)	0.0012	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0027	ND(0.00093)	ND(0.00091)	ND(0.00091)	ND(0.0014)	0.0047 J	ND(0.0015)	ND(0.0074)	0.0013	ND(0.0067)	ND(0.01)	ND(0.00098)	ND(0.0086)
	4/5/05	1.83	ND(0.00095)	ND(0.00071)	ND(0.0028)	ND(0.00048)	0.0012	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0032	ND(0.00084)	ND(0.00083)	ND(0.00083)	ND(0.0013)	0.0077 J	ND(0.0014)	ND(0.0068)	0.0029	ND(0.0061)	ND(0.0094)	ND(0.00089)	ND(0.0078)
	4/6/05	1.64	ND(0.00085)	ND(0.00064)	0.0031	ND(0.00043)	0.0012	ND(0.00099)	ND(0.00099)	ND(0.00099)	0.003	ND(0.00076)	ND(0.00074)	ND(0.00074)	ND(0.0011)	0.0057 J	ND(0.0012)	ND(0.0061)	0.0021	ND(0.0055)	ND(0.0085)	ND(0.0008)	ND(0.007)
	4/7/05	2.06	ND(0.0011)	ND(0.0008)	ND(0.0032)	ND(0.00054)	0.0014	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0027	ND(0.00095)	ND(0.00093)	ND(0.00093)	ND(0.0014)	0.0044 J	ND(0.0016)	ND(0.0076)	0.0018	ND(0.0069)	ND(0.011)	ND(0.001)	ND(0.0088)
	4/8/05	1.75	ND(0.0009)	ND(0.00068)	0.021	ND(0.00046)	0.0012	ND(0.001)	ND(0.001)	ND(0.001)	0.0027	ND(0.00081)	ND(0.00079)	ND(0.00079)	ND(0.0012)	0.0024 J	ND(0.0013)	ND(0.0065)	0.0014	ND(0.0059)	ND(0.009)	ND(0.00085)	ND(0.0074)
	4/9/05	2.06	ND(0.0011)	ND(0.0008)	ND(0.0032)	ND(0.00054)	0.0011	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0026	ND(0.00095)	ND(0.00093)	ND(0.00093)	ND(0.0014)	0.003 J	ND(0.0016)	ND(0.0076)	0.0014	ND(0.0069)	ND(0.011)	ND(0.001)	ND(0.0088)
	4/11/05	2.06	ND(0.0011)	ND(0.0008)	ND(0.0032)	ND(0.00054)	0.0012	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0025	ND(0.00095)	ND(0.00093)	ND(0.00093)	ND(0.0014)	0.0077 J	ND(0.0016)	ND(0.0076)	0.0016	ND(0.0069)	ND(0.011)	ND(0.001)	ND(0.0088)
	4/13/05	1.68	ND(0.00087)	ND(0.00065)	ND(0.0026)	ND(0.00044)	0.0011	ND(0.001)	ND(0.001)	ND(0.001)	0.0028	ND(0.00078)	ND(0.00076)	ND(0.00076)	ND(0.0012)	0.0033 J	ND(0.0013)	ND(0.0062)	0.0016	ND(0.0056)	ND(0.0087)	ND(0.00082)	ND(0.0072)
	4/13/05 Dup	1.83	ND(0.00095)	ND(0.00071)	ND(0.0028)	ND(0.00048)	0.001	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0026	ND(0.00084)	ND(0.00083)	ND(0.00083)	ND(0.0013)	0.012 J	ND(0.0014)	ND(0.0068)	0.0013	ND(0.0061)	ND(0.0094)	ND(0.00089)	ND(0.0078)

US EPA ARCHIVE DOCUMENT

TABLE 2-9c. OUTDOOR AIR ANALYTICAL RESULTS SUMMARY, WATER TREATMENT RELATED AND OTHER CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Sample ID	Date	Dilution Factor	Benzyl chloride mg/m^3	Bromo-methane mg/m^3	Carbon Disulfide mg/m^3	Chloro-ethane mg/m^3	Chloro-methane mg/m^3	1,2-Dichloro-benzene mg/m^3	1,3-Dichloro-benzene mg/m^3	1,4-Dichloro-benzene mg/m^3	Dichloro-difluoro-methane mg/m^3	1,2-Dichloro-propane mg/m^3	cis-1,3-Dichloro-propene mg/m^3	trans-1,3-Dichloro-propene mg/m^3	1,2-Dichloro-1,1,2,2- tetrafluoro-ethane mg/m^3	Ethanol mg/m^3	1,1,2-Trichloro-trifluoroethane mg/m^3	1,2,4-Trichloro-benzene mg/m^3	Trichloro-fluoromethane mg/m^3	Bromo-dichloro-methane mg/m^3	Bromoform mg/m^3	Chloroform mg/m^3	Dibromo-chloro-methane mg/m^3
HOO8-OA1	4/14/05	1.71	ND(0.00088)	ND(0.00066)	ND(0.0027)	ND(0.00045)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.0026	ND(0.00079)	ND(0.00078)	ND(0.00078)	ND(0.0012)	0.003	ND(0.0013)	ND(0.0063)	0.0014	ND(0.0057)	ND(0.0088)	ND(0.00083)	ND(0.0073)
	4/15/05	2.3	ND(0.0012)	ND(0.00089)	ND(0.0036)	ND(0.00061)	0.001	ND(0.0014)	ND(0.0014)	ND(0.0014)	0.0025	ND(0.0011)	ND(0.001)	ND(0.001)	ND(0.0016)	0.0028	ND(0.0018)	ND(0.0085)	0.0013	ND(0.0077)	ND(0.012)	ND(0.0011)	ND(0.0098)
	5/3/05	2.3	ND(0.0012)	ND(0.00089)	ND(0.0036)	ND(0.00061)	0.00092	ND(0.0014)	ND(0.0014)	ND(0.0014)	0.0023	ND(0.0011)	ND(0.001)	ND(0.001)	ND(0.0016)	0.0024	ND(0.0018)	ND(0.0085)	0.0013	ND(0.0077)	ND(0.012)	ND(0.0011)	ND(0.0098)
	5/11/05	2.17	ND(0.0011)	ND(0.00084)	ND(0.0034)	ND(0.00057)	0.0011	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.0031	ND(0.001)	ND(0.00098)	ND(0.00098)	ND(0.0015)	0.014 J	ND(0.0017)	ND(0.008)	0.003	ND(0.0073)	ND(0.011)	ND(0.001)	ND(0.0092)
FIXED	4/18/08	2.06	ND(0.0011) J	ND(0.0008)	ND(0.0032)	ND(0.00054)	0.0014 J	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0026	ND(0.00095)	ND(0.00093)	ND(0.00093)	ND(0.0014)	0.0069	ND(0.0016)	ND(0.0076)	0.0029	ND(0.0014)	ND(0.0021)	ND(0.001)	ND(0.0018)
	4/19/08	2.17	ND(0.0011) J	ND(0.00084)	ND(0.0034)	ND(0.00057)	0.0016 J	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.0024	ND(0.001)	ND(0.00098)	ND(0.00098)	ND(0.0015)	0.011	ND(0.0017)	ND(0.008)	0.0017	ND(0.0014)	ND(0.0022)	ND(0.001)	ND(0.0018)
	4/20/08	2.12	ND(0.0011) J	0.0033	ND(0.0033)	ND(0.00056)	0.0016 J	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.0026	ND(0.00098)	ND(0.00096)	ND(0.00096)	ND(0.0015)	0.015	ND(0.0016)	ND(0.0079)	0.0015	ND(0.0014)	0.0064	ND(0.001)	ND(0.0018)
	4/22/08	1.75	ND(0.0009) J	ND(0.00068)	ND(0.0027)	ND(0.00046)	0.0017 J	ND(0.001)	ND(0.001)	ND(0.001)	0.0032	ND(0.00081)	ND(0.00079)	ND(0.00079)	ND(0.0012)	0.0063	ND(0.0013)	ND(0.0065)	0.0018	ND(0.0012)	ND(0.0018)	ND(0.00085)	ND(0.0015)
	4/23/08	1.55	ND(0.0008) J	ND(0.0006)	ND(0.0024)	ND(0.00041)	0.0014 J	ND(0.00093)	ND(0.00093)	ND(0.00093)	0.0031	ND(0.00072)	ND(0.0007)	ND(0.0007)	ND(0.0011)	0.0045	ND(0.0012)	ND(0.0058)	0.0023	ND(0.001)	ND(0.0016)	ND(0.00076)	ND(0.0013)
	4/24/08	1.96	ND(0.001) J	ND(0.00076)	ND(0.003)	ND(0.00052)	0.0016 J	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.003	ND(0.0009)	ND(0.00089)	ND(0.00089)	ND(0.0014)	0.0043	ND(0.0015)	ND(0.0073)	0.0013	ND(0.0013)	ND(0.002)	ND(0.00096)	ND(0.0017)
	4/25/08	1.79	ND(0.00093) J	ND(0.0007)	ND(0.0028)	ND(0.00047)	0.001 J	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0028	ND(0.00083)	ND(0.00081)	ND(0.00081)	ND(0.0012)	0.0054	ND(0.0014)	ND(0.0066)	0.0094	ND(0.0012)	ND(0.0018)	ND(0.00087)	ND(0.0015)
	4/25/08 Dup	1.52	ND(0.00079) J	ND(0.00059)	ND(0.0024)	ND(0.0004)	0.0012 J	ND(0.00091)	ND(0.00091)	ND(0.00091)	0.0024	ND(0.0007)	ND(0.00069)	ND(0.00069)	ND(0.0011)	0.0052	ND(0.0012)	ND(0.0056)	0.0088	ND(0.001)	ND(0.0016)	ND(0.00074)	ND(0.0013)
	4/28/08	3.35	ND(0.0017) J	ND(0.0013)	ND(0.0052)	ND(0.00088)	0.0014 J	ND(0.002)	ND(0.002)	ND(0.002)	0.0032	ND(0.0015)	ND(0.0015)	ND(0.0015)	ND(0.0023)	0.0071	ND(0.0026)	ND(0.012)	ND(0.0019)	ND(0.0022)	ND(0.0035)	ND(0.0016)	ND(0.0028)
	12/6/08	1.58	ND(0.00082)	ND(0.00061)	ND(0.0025)	ND(0.00042)	0.001	ND(0.00095)	ND(0.00095)	ND(0.00095)	0.0032	ND(0.00073)	ND(0.00072)	ND(0.00072)	ND(0.0011)	0.0048 J	ND(0.0012)	ND(0.0059)	0.0021	ND(0.001)	ND(0.0016)	ND(0.00077)	ND(0.0013)
	12/6/08 Dup	1.61	ND(0.00083)	ND(0.00062)	ND(0.0025)	ND(0.00042)	0.00091	ND(0.00097)	ND(0.00097)	ND(0.00097)	0.0031	ND(0.00074)	ND(0.00073)	ND(0.00073)	ND(0.0011)	0.0035 J	ND(0.0012)	ND(0.006)	0.0023	ND(0.0011)	ND(0.0017)	ND(0.00079)	ND(0.0014)
	12/7/08	1.61	ND(0.00083)	ND(0.00062)	ND(0.0025)	ND(0.00042)	0.0013	ND(0.00097)	ND(0.00097)	ND(0.00097)	0.0031	ND(0.00074)	ND(0.00073)	ND(0.00073)	ND(0.0011)	0.0037	ND(0.0012)	ND(0.006)	0.0021	ND(0.0011)	ND(0.0017)	ND(0.00079)	ND(0.0014)
	12/8/08	1.29	ND(0.00067)	ND(0.0005)	ND(0.002)	ND(0.00034)	0.001	ND(0.00078)	ND(0.00078)	ND(0.00078)	0.003	ND(0.0006)	ND(0.00058)	ND(0.00058)	ND(0.0009)	0.0044	ND(0.00099)	ND(0.0048)	0.0024	ND(0.00086)	ND(0.0013)	ND(0.00063)	ND(0.0011)
	12/9/08	4.47	ND(0.0023)	ND(0.0017)	ND(0.007)	ND(0.0012)	0.0017	ND(0.0027)	ND(0.0027)	ND(0.0027)	0.0025	ND(0.0021)	ND(0.002)	ND(0.002)	ND(0.0031)	0.054	ND(0.0034)	ND(0.016)	0.0032	ND(0.003)	ND(0.0046)	ND(0.0022)	ND(0.0038)
	12/10/08	1.64	ND(0.00085)	ND(0.00064)	ND(0.0026)	ND(0.00043)	0.001	ND(0.00099)	ND(0.00099)	ND(0.00099)	0.0028	ND(0.00076)	ND(0.00074)	ND(0.00074)	ND(0.0011)	0.0061	ND(0.0012)	ND(0.0061)	0.0019	ND(0.0011)	ND(0.0017)	ND(0.0008)	ND(0.0014)
	12/11/08	1.64	ND(0.00085)	ND(0.00064)	ND(0.0026)	ND(0.00043)	0.0012	ND(0.00099)	ND(0.00099)	ND(0.00099)	0.0031	ND(0.00076)	ND(0.00074)	ND(0.00074)	ND(0.0011)	0.0036	ND(0.0012)	ND(0.0061)	0.0021	ND(0.0011)	ND(0.0017)	ND(0.0008)	ND(0.0014)
	12/12/08	2.36	ND(0.0012)	ND(0.00092)	0.024 J	ND(0.00062)	0.00093	ND(0.0014)	ND(0.0014)	ND(0.0014)	0.0031	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0016)	0.0035	ND(0.0018)	ND(0.0088)	0.0022	ND(0.0016)	ND(0.0024)	ND(0.0012)	ND(0.002)
	12/12/08 Dup	2.36	ND(0.0012)	ND(0.00092)	ND(0.0037) J	ND(0.00062)	0.00089	ND(0.0014)	ND(0.0014)	ND(0.0014)	0.003	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0016)	0.0028	ND(0.0018)	ND(0.0088)	0.002	ND(0.0016)	ND(0.0024)	ND(0.0012)	ND(0.002)
	12/13/2008	1.96	ND(0.001)	ND(0.00076)	ND(0.003)	ND(0.00052)	0.00093	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0032	ND(0.0009)	ND(0.00089)	ND(0.00089)	ND(0.0014)	0.01	ND(0.0015)	ND(0.0073)	ND(0.0011)	ND(0.0013)	ND(0.002)	ND(0.00096)	ND(0.0017)
Float-OA3	3/22/05	1.68	ND(0.00087)	ND(0.00065)	ND(0.0026)	ND(0.00044)	0.00086	ND(0.001)	ND(0.001)	ND(0.001)	0.0024	ND(0.00078)	ND(0.00076)	ND(0.00076)	ND(0.0012)	0.002 J	ND(0.0013)	ND(0.0062)	0.0012	ND(0.0056)	ND(0.0087)	ND(0.00082)	ND(0.0072)
	3/23/05	1.83	ND(0.00095)	ND(0.00071)	ND(0.0028)	ND(0.00048)	0.0011	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0027	ND(0.00084)	ND(0.00083)	ND(0.00083)	ND(0.0013)	0.0018	ND(0.0014)	ND(0.0068)	0.0013	ND(0.0061)	ND(0.0094)	ND(0.00089)	ND(0.0078)
	3/24/05	2.17	ND(0.0011)	ND(0.00084)	ND(0.0034)	ND(0.00057)	0.001	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.0022	ND(0.001)	ND(0.00098)	ND(0.00098)	ND(0.0015)	0.0027	ND(0.0017)	ND(0.008)	0.0016	ND(0.0073)	ND(0.011)	ND(0.001)	ND(0.0092)
	3/25/05	1.91	ND(0.00099)	ND(0.00074)	ND(0.003)	ND(0.0005)	0.00069	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0026	ND(0.00088)	ND(0.00087)	ND(0.00087)	ND(0.0013)	0.0061	ND(0.0015)	ND(0.0071)	0.0013	ND(0.0064)	ND(0.0099)	ND(0.00093)	ND(0.0081)
	3/26/05	1.71	ND(0.00088)	ND(0.00066)	ND(0.0027)	0.0014 J	0.0011	ND(0.001)	ND(0.001)	ND(0.001)	0.0033	ND(0.00079)	ND(0.00078)	ND(0.00078)	ND(0.0012)	0.0038 J	ND(0.0013)	ND(0.0063)	0.0015	ND(0.0057)	ND(0.0088)	ND(0.00083)	ND(0.0073)
	3/28/05	2.01	ND(0.001)	ND(0.00078)	ND(0.0031)	ND(0.00053)	0.00089	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0022	ND(0.00093)	ND(0.00091)	ND(0.00091)	ND(0.0014)	0.003	ND(0.0015)	ND(0.0074)	0.0013	ND(0.0067)	ND(0.01)	ND(0.00098)	ND(0.0086)
	3/29/05	2.3	ND(0.0012)	ND(0.00089)	ND(0.0036)	ND(0.00061)	0.0018	ND(0.0014)	ND(0.0014)	ND(0.0014)	0.0026	ND(0.0011)	ND(0.001)	ND(0.001)	ND(0.0016)	0.0032 J	ND(0.0018)	ND(0.0085)	0.0017	ND(0.0077)	ND(0.012)	ND(0.0011)	ND(0.0098)
	3/30/05	1.79	ND(0.00093)	ND(0.0007)	0.005	ND(0.00047)	0.00099	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0021	ND(0.00083)	ND(0.00081)	ND(0.00081)	ND(0.0012)	0.0032 J	ND(0.0014)	ND(0.0066)	0.0011	ND(0.006)	ND(0.0092)	ND(0.00087)	ND(0.0076)
	4/2/05	2.51	ND(0.0013)	0.0093	ND(0.0039)	ND(0.00066)	0.0012	ND(0.0015)	ND(0.0015)	ND(0.0015)	0.0026	ND(0.0012)	ND(0.0011)	ND(0.0011)	ND(0.0018)	ND(0.0024)	ND(0.0019)	ND(0.0093)	ND(0.0014)	ND(0.0084)	ND(0.013)	ND(0.0012)	ND(0.011)
	4/4/05	2.44	ND(0.0013)	ND(0.00095)	ND(0.0038)	ND(0.00064)	0.0011	ND(0.0015)	ND(0.0015)	ND(0.0015)	0.0029	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0017)	0.007 J	ND(0.0019)	ND(0.009)	0.0016	ND(0.0082)	ND(0.013)	ND(0.0012)	ND(0.01)
	4/5/05	5.03	ND(0.0026)	ND(0.002)	ND(0.0078)	ND(0.0013)	0.0012	ND(0.003)	ND(0.003)	ND(0.003)	0.0024 J	ND(0.0023)	ND(0.0023)	ND(0.0023)	ND(0.0035)	0.0069 J	ND(0.0038)	ND(0.019)	ND(0.0028)	ND(0.017)	ND(0.026)	ND(0.0024)	ND(0.021)
	4/6/05	1.91	ND(0.00099)	ND(0.00074)	0.0048	ND(0.0005)	0.0012	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0027	ND(0.00088)	ND(0.00087)	ND(0.00087)	ND(0.0013)	0.0049 J	ND(0.0015)	ND(0.0071)	0.0017	ND(0.0064)	ND(0.0099)	ND(0.00093)	ND(0.0081)
	4/7/05	1.79	ND(0.00093)	ND(0.0007)	ND(0.0028)	ND(0.00047)	0.0012	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0026	ND(0.00083)	ND(0.00081)	ND(0.00081)	ND(0.0012)	0.0053 J	ND(0.0014)	ND(0.0066)	0.0017	ND(0.006)	ND(0.0092)	ND(0.00087)	ND(0.0076)
	4/8/05	2.12	ND(0.0011)	ND(0.00082)	ND(0.0033)	ND(0.00056)	0.0015	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.003	ND(0.00098)	ND(0.00096)	ND(0.00096)	ND(0.0015)	0.0035 J	ND(0.0016)	ND(0.0079)	0.0015	ND(0.0071)	ND(0.011)	ND(0.001)	ND(0.009)
	4/9/05	2.06	ND(0.0011)	ND(0.0008)	ND(0.0032)	ND(0.00054)	0.0011	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0028	ND(0.00095)	ND(0.00093)	ND(0.00093)	ND(0.0014)	0.0073 J	ND(0.0016)	ND(0.0076)	0.0014	ND(0.0069)	ND(0.011)	ND(0.001)	ND(0.0088)
	4/9/05 Dup	1.96	ND(0.001)	ND(0.00076)	ND(0.003)	ND(0.00052)	0.0011	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0027	ND(0.0009)	ND(0.00089)	ND(0.00089)	ND(0.0014)	0.0051 J	ND(0.0015)	ND(0.0073)	0.0015	ND(0.0066)	ND(0.01)	ND(0.00096)	ND(0.0083)
	4/11/05	2.36	ND(0.0012)	ND(0.00092)	ND(0.0037)	ND(0.00062)	0.0011	ND(0.0014)	ND(0.0014)	ND(0.0014)	0.0026	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0016)	0.0057 J	ND(0.0018)	ND(0.0088)	0.0015	ND(0.0079)	ND(0.012)	ND(0.0012)	ND(0.01)
	4/12/05	2.23	ND(0.0012)	ND(0.00087)	ND(0.0035)	ND(0.00059)	0.0015	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.003	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0016)	0.0037 J	ND(0.0017)	ND(0.0083)	0.0015	ND(0.0075)	ND(0.012)	ND(0.0011)	ND(0.0095)
	4/13/05	2.01	ND(0.001)	ND(0.00078)	ND(0.0031)	ND(0.00053)	0.001	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0026	ND(0.00093)	ND(0.00091)	ND(0.00091)	ND(0.0014)	0.0034	ND(0.0015)	ND(0.0074)	0.0014	ND(0.0067)	ND(0.01)	ND(0.00098)	ND(0.0086)
	4/14/05	3.83	ND(0.002)	ND(0.0015)	ND(0.006)	ND(0.001)	0.0012	ND(0.0023)	ND(0.0023)	ND(0.0023)	0.0024	ND(0.0018)	ND(0.0017)	ND(0.0017)	ND(0.0027)	0.0065	ND(0.0029)	ND(0.014)	ND(0.0022)	ND(0.013)	ND(0.02)	ND(0.0019)	ND(0.016)
	4/15/05	2.12	ND(0.0011)	ND(0.00082)	ND(0.0033)	ND(0.00056)	0.0018	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.0026	ND(0.00098)	ND(0.00096)	ND(0.00096)	ND(0.0015)	0.0072	ND(0.0016)	ND(0.0079)	0.0015	ND(0.0071)	ND(0.011)	ND(0.001)	ND(0.009)
	5/2/05	2.17	ND(0.0011)	ND(0.00084)	ND(0.0034)	ND(0.00057)	0.00089	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.0024	ND(0.001)	ND(0.00098)	ND(0.00098)	ND(0.0015)	0.0026	ND(0.0017)	ND(0.008)	0.0013	ND(0.0073)	ND(0.011)	ND(0.001)	ND(0.0092)
	5/3/05	2.23	ND(0.0012)	ND(0.00087)	ND(0.0035)	ND(0.00059)	0.00099	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.0024	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0016)	0.0027	ND(0.0017)	ND(0.0083)	ND(0.0012)	ND(0.0075)	ND(0.012)	ND(0.0011)	ND(0.0095)

US EPA ARCHIVE DOCUMENT

TABLE 2-9c. OUTDOOR AIR ANALYTICAL RESULTS SUMMARY, WATER TREATMENT RELATED AND OTHER CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Sample ID	Date	Dilution Factor	Benzyl chloride mg/m^3	Bromo-methane mg/m^3	Carbon Disulfide mg/m^3	Chloro-ethane mg/m^3	Chloro-methane mg/m^3	1,2-Dichloro-benzene mg/m^3	1,3-Dichloro-benzene mg/m^3	1,4-Dichloro-benzene mg/m^3	Dichloro-difluoro-methane mg/m^3	1,2-Dichloro-propane mg/m^3	cis-1,3-Dichloro-propene mg/m^3	trans-1,3-Dichloro-propene mg/m^3	1,2-Dichloro-1,1,2,2- tetrafluoro-ethane mg/m^3	Ethanol mg/m^3	1,1,2-Trichloro-trifluoroethane mg/m^3	1,2,4-Trichloro-benzene mg/m^3	Trichloro-fluoromethane mg/m^3	Bromo-dichloro-methane mg/m^3	Bromoform mg/m^3	Chloroform mg/m^3	Dibromo-chloro-methane mg/m^3
Float-OA3	5/4/05	3.5	ND(0.0018)	ND(0.0014)	ND(0.0054)	ND(0.00092)	0.001	ND(0.0021)	ND(0.0021)	ND(0.0021)	0.0024	ND(0.0016)	ND(0.0016)	ND(0.0016)	ND(0.0024)	0.008	ND(0.0027)	ND(0.013)	ND(0.002)	ND(0.012)	ND(0.018)	ND(0.0017)	ND(0.015)
	5/11/05	2.17	ND(0.0011)	ND(0.00084)	ND(0.0034)	ND(0.00057)	0.001	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.0028	ND(0.001)	ND(0.00098)	ND(0.00098)	ND(0.0015)	0.016 J	ND(0.0017)	ND(0.008)	0.0019	ND(0.0073)	ND(0.011)	ND(0.001)	ND(0.0092)
	9/6/05	1.91	ND(0.00099)	ND(0.00074)	ND(0.003)	ND(0.0005)	0.0011	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0022	ND(0.00088)	ND(0.00087)	ND(0.00087)	ND(0.0013)	0.0067	ND(0.0015)	ND(0.0071)	0.0017	ND(0.0064)	ND(0.0099)	ND(0.00093)	ND(0.0081)
	9/7/05	2.01	ND(0.001)	ND(0.00078)	ND(0.0031)	ND(0.00053)	0.0011	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0032	ND(0.00093)	ND(0.00091)	ND(0.00091)	ND(0.0014)	0.005	ND(0.0015)	ND(0.0074)	0.002	ND(0.0067)	ND(0.01)	ND(0.00098)	ND(0.0086)
	9/8/05	1.96	ND(0.001)	ND(0.00076)	ND(0.003)	ND(0.00052)	0.0011	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0052	ND(0.0009)	ND(0.00089)	ND(0.00089)	ND(0.0014)	0.0068	ND(0.0015)	ND(0.0073)	0.011	ND(0.0066)	ND(0.01)	ND(0.00096)	ND(0.0083)
	9/9/05	4.23	ND(0.0022)	ND(0.0016)	ND(0.0066)	ND(0.0011)	0.0011	ND(0.0025)	ND(0.0025)	ND(0.0025)	0.003	ND(0.002)	ND(0.0019)	ND(0.0019)	ND(0.003)	0.0078	ND(0.0032)	ND(0.016)	ND(0.0024)	ND(0.014)	ND(0.022)	ND(0.0021)	ND(0.018)
	6/27/06	1.71	ND(0.00088)	ND(0.00066)	ND(0.0027)	ND(0.00045)	0.0013	ND(0.001)	ND(0.001)	ND(0.001)	0.0024	ND(0.00079)	ND(0.00078)	ND(0.00078)	ND(0.0012)	0.0045	ND(0.0013)	ND(0.0063)	0.0015	ND(0.0057)	ND(0.0088)	ND(0.00083)	ND(0.0073)
	6/28/06	2.59	ND(0.0013)	ND(0.001)	ND(0.004)	ND(0.00068)	0.0011	ND(0.0016)	ND(0.0016)	ND(0.0016)	0.0023	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.0018)	0.0042	ND(0.002)	ND(0.0096)	0.0016	ND(0.0087)	ND(0.013)	ND(0.0013)	ND(0.011)
	7/5/06	2.23	ND(0.0012)	ND(0.00087)	ND(0.0035)	ND(0.00059)	0.0013	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.0031	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0016)	0.007	ND(0.0017)	ND(0.0083)	0.0015	ND(0.0075)	ND(0.012)	ND(0.0011)	ND(0.0095)
	7/6/06	1.91	ND(0.00099)	ND(0.00074)	ND(0.003)	ND(0.0005)	0.0012	ND(0.0011)	ND(0.0011)	0.0019	0.0028	ND(0.00088)	ND(0.00087)	ND(0.00087)	ND(0.0013)	0.0022	ND(0.0015)	ND(0.0071)	0.0015	ND(0.0064)	ND(0.0099)	ND(0.00093)	ND(0.0081)
	7/7/06	2.17	ND(0.0011)	ND(0.00084)	ND(0.0034)	ND(0.00057)	0.0014	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.0025	ND(0.001)	ND(0.00098)	ND(0.00098)	ND(0.0015)	0.0045	ND(0.0017)	ND(0.008)	0.0017	ND(0.0073)	ND(0.011)	ND(0.001)	ND(0.0092)
	11/27/06	2.12	ND(0.0011)	ND(0.00082)	ND(0.0033)	ND(0.00056)	0.0011	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.0034	ND(0.00098)	ND(0.00096)	ND(0.00096)	ND(0.0015)	0.018	ND(0.0016)	ND(0.0079)	0.0021	ND(0.0014)	ND(0.0022)	ND(0.001)	ND(0.0018)
	11/30/06	1.96	ND(0.001)	0.00073 J	0.068	ND(0.00052)	0.0014	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0026	ND(0.0009)	ND(0.00089)	ND(0.00089)	ND(0.0014)	0.0059	ND(0.0015)	ND(0.0073)	0.0015	ND(0.0013)	ND(0.002)	ND(0.00096)	ND(0.0017)
	12/14/06	1.58	ND(0.00082)	ND(0.00061)	ND(0.0025)	ND(0.00042)	0.0012	ND(0.00095)	ND(0.00095)	ND(0.00095)	0.003	ND(0.00073)	ND(0.00072)	ND(0.00072)	ND(0.0011)	0.0045	ND(0.0012)	ND(0.0059)	0.0016	ND(0.001)	ND(0.0016)	ND(0.00077)	ND(0.0013)
	12/15/06	1.52	ND(0.00079)	ND(0.00059)	ND(0.0024)	ND(0.0004)	0.0012	ND(0.00091)	ND(0.00091)	ND(0.00091)	0.0019	ND(0.0007)	ND(0.00069)	ND(0.00069)	ND(0.0011)	0.0092	ND(0.0012)	ND(0.0056)	0.0018	ND(0.001)	ND(0.0016)	ND(0.00074)	ND(0.0013)
	12/16/06	1.96	ND(0.001)	ND(0.00076)	ND(0.003)	ND(0.00052)	0.0012	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0033	ND(0.0009)	ND(0.00089)	ND(0.00089)	ND(0.0014)	0.0046	ND(0.0015)	ND(0.0073)	0.0022	ND(0.0013)	ND(0.002)	ND(0.00096)	ND(0.0017)
	12/16/06 Dup	1.83	ND(0.00095)	ND(0.00071)	ND(0.0028)	ND(0.00048)	0.0011	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0036	ND(0.00084)	ND(0.00083)	ND(0.00083)	ND(0.0013)	0.0046	ND(0.0014)	ND(0.0068)	0.002	ND(0.0012)	ND(0.0019)	ND(0.00089)	ND(0.0016)
	6/26/07	2.51	ND(0.0013)	ND(0.00097)	ND(0.0039)	ND(0.00066)	0.0012	ND(0.0015)	ND(0.0015)	ND(0.0015)	0.0022	ND(0.0012)	ND(0.0011)	ND(0.0011)	ND(0.0018)	0.0079	ND(0.0019)	ND(0.0093)	ND(0.0014)	ND(0.0017)	ND(0.0026)	ND(0.0012)	ND(0.0021)
	6/27/07	2.23	ND(0.0012)	ND(0.00087)	ND(0.0035)	ND(0.00059)	0.0012	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.0021	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0016)	0.012	ND(0.0017)	ND(0.0083)	ND(0.0012)	ND(0.0015)	ND(0.0023)	ND(0.0011)	ND(0.0019)
	6/28/07	2.23	ND(0.0012)	ND(0.00087)	0.032	ND(0.00059)	0.0011	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.0022	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.0016)	0.0066	ND(0.0017)	ND(0.0083)	ND(0.0012)	ND(0.0015)	ND(0.0023)	ND(0.0011)	ND(0.0019)
	7/2/07	2.01	ND(0.001)	ND(0.00078)	ND(0.0031)	ND(0.00053)	0.00095	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0022	ND(0.00093)	ND(0.00091)	ND(0.00091)	ND(0.0014)	0.0054	ND(0.0015)	ND(0.0074)	0.0012	ND(0.0013)	ND(0.0021)	ND(0.00098)	ND(0.0017)
	7/3/07	1.91	ND(0.00099)	ND(0.00074)	ND(0.003)	ND(0.0005)	0.001	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0023	ND(0.00088)	ND(0.00087)	ND(0.00087)	ND(0.0013)	0.0059	ND(0.0015)	ND(0.0071)	0.0014	ND(0.0013)	ND(0.002)	ND(0.00093)	ND(0.0016)
FLOAT	4/18/08	3.09	ND(0.0016) J	ND(0.0012)	ND(0.0048)	ND(0.00082)	0.0015 J	ND(0.0018)	ND(0.0018)	ND(0.0018)	0.0028	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.0022)	0.0071	ND(0.0024)	ND(0.011)	ND(0.0017)	ND(0.0021)	ND(0.0032)	ND(0.0015)	ND(0.0026)
	4/19/08	2.68	ND(0.0014) J	ND(0.001)	ND(0.0042)	ND(0.00071)	0.0012 J	ND(0.0016)	ND(0.0016)	ND(0.0016)	0.0022	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.0019)	0.0058	ND(0.002)	ND(0.0099)	0.0019	ND(0.0018)	ND(0.0028)	ND(0.0013)	ND(0.0023)
	4/20/08	4.02	ND(0.0021) J	ND(0.0016)	ND(0.0062)	ND(0.0011)	0.0013 J	ND(0.0024)	ND(0.0024)	ND(0.0024)	0.0032	ND(0.0018)	ND(0.0018)	ND(0.0018)	ND(0.0028)	0.0096	ND(0.0031)	ND(0.015)	ND(0.0022)	ND(0.0027)	ND(0.0042)	ND(0.002)	ND(0.0034)
	4/21/08	1.61	ND(0.00083) J	ND(0.00062)	ND(0.0025)	ND(0.00042)	0.0013 J	ND(0.00097)	ND(0.00097)	ND(0.00097)	0.0026	ND(0.00074)	ND(0.00073)	ND(0.00073)	ND(0.0011)	0.0038	ND(0.0012)	ND(0.006)	0.0011	ND(0.0011)	ND(0.0017)	ND(0.00079)	ND(0.0014)
	4/22/08	1.79	ND(0.00093) J	ND(0.0007)	ND(0.0028)	ND(0.00047)	0.0014 J	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0031	ND(0.00083)	ND(0.00081)	ND(0.00081)	ND(0.0012)	0.0057	ND(0.0014)	ND(0.0066)	0.0013	ND(0.0012)	ND(0.0018)	ND(0.00087)	ND(0.0015)
	4/23/08	1.87	ND(0.00097) J	ND(0.00073)	ND(0.0029)	ND(0.00049)	0.0016 J	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0032	ND(0.00086)	ND(0.00085)	ND(0.00085)	ND(0.0013)	0.0053	ND(0.0014)	ND(0.0069)	0.0026	ND(0.0012)	ND(0.0019)	ND(0.00091)	ND(0.0016)
	4/24/08	2.17	ND(0.0011) J	ND(0.00084)	ND(0.0034)	ND(0.00057)	0.0013 J	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.0029	ND(0.001)	ND(0.00098)	ND(0.00098)	ND(0.0015)	0.0051	ND(0.0017)	ND(0.008)	0.0016	ND(0.0014)	ND(0.0022)	ND(0.001)	ND(0.0018)
	4/25/08	1.83	ND(0.00095) J	ND(0.00071)	0.0029 J	ND(0.00048)	0.0012 J	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0031	ND(0.00084)	ND(0.00083)	ND(0.00083)	ND(0.0013)	0.005 J	ND(0.0014)	ND(0.0068)	0.0013	ND(0.0012)	ND(0.0019)	ND(0.00089)	ND(0.0016)
	4/25/08 Dup	1.83	ND(0.00095) J	ND(0.00071)	0.0037 J	ND(0.00048)	0.0014 J	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0026	ND(0.00084)	ND(0.00083)	ND(0.00083)	ND(0.0013)	0.0069 J	ND(0.0014)	ND(0.0068)	0.0014	ND(0.0012)	ND(0.0019)	ND(0.00089)	ND(0.0016)
	4/28/08	2.51	ND(0.0013) J	ND(0.00097)	ND(0.0039)	ND(0.00066)	0.0012 J	ND(0.0015)	ND(0.0015)	ND(0.0015)	0.0024	ND(0.0012)	ND(0.0011)	ND(0.0011)	ND(0.0018)	0.0024	ND(0.0019)	ND(0.0093)	0.0014	ND(0.0017)	ND(0.0026)	ND(0.0012)	ND(0.0021)
	9/5/08	1.46	ND(0.00076)	ND(0.00057) J	ND(0.0023)	ND(0.00038)	0.0011	ND(0.00088)	ND(0.00088)	ND(0.00088)	0.0025	0.0087	ND(0.00066)	ND(0.00066)	ND(0.001)	0.013 JB	ND(0.0011)	ND(0.0054)	0.0018	ND(0.00098)	ND(0.0015)	ND(0.00071)	ND(0.0012)
	9/6/08	1.75	ND(0.0009)	ND(0.00068) J	ND(0.0027)	ND(0.00046)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.0029	ND(0.00081)	ND(0.00079)	ND(0.00079)	ND(0.0012)	0.0048 J	ND(0.0013)	ND(0.0065)	0.0016	ND(0.0012)	ND(0.0018)	ND(0.00085)	ND(0.0015)
	9/7/08	2.51	ND(0.0013)	ND(0.00097) J	ND(0.0039)	ND(0.00066)	0.001	ND(0.0015)	ND(0.0015)	ND(0.0015)	0.0028	ND(0.0012)	ND(0.0011)	ND(0.0011)	ND(0.0018)	0.012 JB	ND(0.0019)	ND(0.0093)	0.0019	ND(0.0017)	ND(0.0026)	ND(0.0012)	ND(0.0021)
	9/8/08	1.83	ND(0.00095)	ND(0.00071) J	ND(0.0028)	ND(0.00048)	0.0011	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0029	ND(0.00084)	ND(0.00083)	ND(0.00083)	ND(0.0013)	0.008 JB	ND(0.0014)	ND(0.0068)	0.0025	ND(0.0012)	ND(0.0019)	ND(0.00089)	ND(0.0016)
	9/9/08	2.01	ND(0.001)	ND(0.00078) J	ND(0.0031)	ND(0.00053)	0.0011	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.003	ND(0.00093)	ND(0.00091)	ND(0.00091)	ND(0.0014)	0.0039 J	ND(0.0015)	ND(0.0074)	0.0019	ND(0.0013)	ND(0.0021)	ND(0.00098)	ND(0.0017)
	9/9/08 Dup	2.01	ND(0.001)	ND(0.00078) J	ND(0.0031)	ND(0.00053)	0.0011	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.003	ND(0.00093)	ND(0.00091)	ND(0.00091)	ND(0.0014)	0.0051 J	ND(0.0015)	ND(0.0074)	0.0018	ND(0.0013)	ND(0.0021)	ND(0.00098)	ND(0.0017)
	12/6/08	1.61	ND(0.00083)	ND(0.00062)	ND(0.0025)	ND(0.00042)	0.00091	ND(0.00097)	ND(0.00097)	ND(0.00097)	0.0031	ND(0.00074)	ND(0.00073)	ND(0.00073)	ND(0.0011)	0.0059	ND(0.0012)	ND(0.006)	0.0021	ND(0.0011)	ND(0.0017)	ND(0.00079)	ND(0.0014)
	12/7/08	1.68	ND(0.00087)	ND(0.00065)	ND(0.0026)	ND(0.00044)	0.001	ND(0.001)	ND(0.001)	ND(0.001)	0.0033	ND(0.00078)	ND(0.00076)	ND(0.00076)	ND(0.0012)	0.0059	ND(0.0013)	ND(0.0062)	0.002	ND(0.0011)	ND(0.0017)	ND(0.00082)	ND(0.0014)
	12/8/08	1.79	ND(0.00093)	ND(0.0007)	ND(0.0028)	ND(0.00047)	0.0011	ND(0.0011)	ND(0.0011)	ND(0.0011)	0.0033	ND(0.00083)	ND(0.00081)	ND(0.00081)	ND(0.0012)	0.0028	ND(0.0014)	ND(0.0066)	0.002	ND(0.0012)	ND(0.0018)	ND(0.00087)	ND(0.0015)
	12/9/08	2.59	ND(0.0013)	ND(0.001)	0.012	ND(0.00068)	0.00097	ND(0.0016)	ND(0.0016)	ND(0.0016)	0.0032	ND(0.0012)	ND(0.0012)	ND(0.0012)	ND(0.0018)	0.012	ND(0.002)	ND(0.0096)	0.0025	ND(0.0017)	ND(0.0027)	ND(0.0013)	ND(0.0022)
	12/10/08	1.71	ND(0.00088)	ND(0.00066)	0.0042	ND(0.00045)	0.0014	ND(0.001)	ND(0.001)	ND(0.001)	0.0029	ND(0.00079)	ND(0.00078)	ND(0.00078)	ND(0.0012)	0.0049	ND(0.0013)	ND(0.0063)	0.0022	ND(0.0011)	ND(0.0018)	ND(0.00083)	ND(0.0014)
	12/11/08	2.36	ND(0.0012)	ND(0.00092)	ND(0.0037)	ND(0.00062)	0.00096	ND(0.0014)	ND(0.0014)	ND(0.0014)	0.0033	ND(0.0011)	ND(0.0011)	ND(0.0011)	ND(0.0016)	0.0034	ND(0.0018)	ND(0.0088)	0.0018	ND(0.0016)	ND(0.0024)	ND(0.0012)	ND(0.002)
	12/12/08	1.71	ND(0.00088)	ND(0.00066)	ND(0.0027)	ND(0.00045)	0.00087	ND(0.001)	ND(0.001)	ND(0.001)	0.0034	ND(0.00079)	ND(0.00078)	ND(0.00078)	ND(0.0012)	0.0044	ND(0.0013)	ND(0.0063)	0.002	ND(0.0011)	ND(0.0018)	ND(0.00083)	ND(0.0014)
	12/13/08	1.61	ND(0.00083)	ND(0.00062)	ND(0.0025)	ND(0.00042)	0.00094	ND(0.00097)	ND(0.00097)	ND(0.00097)	0.0032	ND(0.00074)	ND(0.00073)	ND(0.00073)	ND(0.0011)	0.014	ND(0.0012)	ND(0.006)	0.0028	ND(0.0011)	ND(0.0017)	ND(0.00079)	ND(0.0014)
	3/5/09	1.58	ND(0.00082)	ND(0.00061)	ND(0.0025)	ND(0.00042)	0.0009	ND(0.00095)	ND(0.00095)	ND(0.00095)	0.002	ND(0.00073)	ND(0.00072)	ND(0.00072)	ND(0.0011)	0.0027	ND(0.0012)	ND(0.0059)	0.0012	ND(0.001)	ND(0.0016)	ND(0.00077)	ND(0.0013)

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TABLE 2-9c. OUTDOOR AIR ANALYTICAL RESULTS SUMMARY, WATER TREATMENT RELATED AND OTHER CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Sample ID	Date	Dilution Factor	Benzyl chloride mg/m^3	Bromo-methane mg/m^3	Carbon Disulfide mg/m^3	Chloro-ethane mg/m^3	Chloro-methane mg/m^3	1,2-Dichloro-benzene mg/m^3	1,3-Dichloro-benzene mg/m^3	1,4-Dichloro-benzene mg/m^3	Dichloro-difluoro-methane mg/m^3	1,2-Dichloro-propane mg/m^3	cis-1,3-Dichloro-propene mg/m^3	trans-1,3-Dichloro-propene mg/m^3	1,2-Dichloro-1,1,2,2- tetrafluoro-ethane mg/m^3	Ethanol mg/m^3	1,1,2-Trichloro-trifluoroethane mg/m^3	1,2,4-Trichloro-benzene mg/m^3	Trichloro-fluoromethane mg/m^3	Bromo-dichloro-methane mg/m^3	Bromoform mg/m^3	Chloroform mg/m^3	Dibromo-chloro-methane mg/m^3
FLOAT	9/29/09	1.68	ND(0.00087)	ND(0.00065)	ND(0.0026) J	ND(0.00044)	0.00095	ND(0.001)	ND(0.001)	ND(0.001)	0.0022	ND(0.00078)	ND(0.00076)	ND(0.00076)	ND(0.0012)	0.0057 JB	ND(0.0013)	ND(0.0062)	0.0013	ND(0.0011)	ND(0.0017)	ND(0.00082)	ND(0.0014)
	9/30/09	1.83	ND(0.00095)	ND(0.00071)	0.079 J	0.0012	0.0048	ND(0.0011)	ND(0.0011)	0.0012	0.002	ND(0.00084)	ND(0.00083)	ND(0.00083)	ND(0.0013)	0.018 J	ND(0.0014)	ND(0.0068)	0.0012	ND(0.0012)	ND(0.0019)	ND(0.00089)	ND(0.0016)
	10/1/09	1.94	ND(0.001)	ND(0.00075)	ND(0.003) J	ND(0.00051)	0.001	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0018	ND(0.0009)	ND(0.00088)	ND(0.00088)	ND(0.0014)	0.004 JB	ND(0.0015)	ND(0.0072)	0.0012	ND(0.0013)	ND(0.002)	ND(0.00095)	ND(0.0016)
	10/2/09	2.06	ND(0.0011)	0.0019 J	0.012 J	ND(0.00054)	0.0016	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0022	ND(0.00095)	ND(0.00093)	ND(0.00093)	ND(0.0014)	0.042 J	ND(0.0016)	ND(0.0076)	0.0019	ND(0.0014)	ND(0.0021)	ND(0.001)	ND(0.0018)
	10/2/09 Dup	1.96	ND(0.001)	ND(0.00076) J	ND(0.003) J	ND(0.00052)	0.0014	ND(0.0012)	ND(0.0012)	ND(0.0012)	0.0022	ND(0.0009)	ND(0.00089)	ND(0.00089)	ND(0.0014)	0.0056 JB	ND(0.0015)	ND(0.0073)	0.002	ND(0.0013)	ND(0.002)	ND(0.00096)	ND(0.0017)
Average Outdoor Air Concentration			--	ND(0.00025)	--	ND(0.00025)	0.00051	ND(0.00025)	ND(0.00025)	ND(0.00025)	ND(0.00025)	ND(0.00025)	ND(0.00025)	ND(0.00025)	ND(0.00025)	0.0069	0.00046	ND(0.00025)	0.00078	--	--	ND(0.00025)	--

NOTES:

Average outdoor air concentrations are reported as the 50th percentile values from the *New York State Department of Health Summary of Indoor and Outdoor Levels of Volatile Organic Compounds from Fuel Oil Heated Homes in New York State (1997-2003*), updated November 14, 2005

B - Constituent detected in blank sample

D – Analyte concentration in the initial dilution exceeded instrument calibration range. The reported value for the qualified analyte is from an analysis run at higher dilution.

E – Concentration of analyte exceeded instrument calibration range

J – Value is estimated and should be used with consideration or qualitative purposes

R – Value has been rejected and should not be used for qualitative or quantitative purposes

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TABLE 3-1. SCREENING EVALUATION FOR NESTED SOIL VAPOR RESULTS, GASOLINE RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Vapor Monitoring Well	Date	Depth	Dilution Factor	n-Butyl-benzene mg/m^3	sec-Butyl-benzene mg/m^3	Isopropyl-benzene mg/m^3	n-Propyl-benzene mg/m^3	1,2-Dichloro-ethane mg/m^3	1,2-Dibromo-ethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethyl-benzene mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclo-hexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	2,2,4-Trimethyl-pentane mg/m^3	1,3,5-Trimethyl-benzene mg/m^3	1,2,4-Trimethyl-benzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyl-toluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3
VW-93	Sep/Oct 2009	20	2.31	ND(0.025)	ND(0.025)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.0089)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0047)	ND(0.0049)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)	ND(0.011)	ND(0.014)	ND(0.018)
		25	2.3	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0037)	ND(0.0043)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.004)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0054)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.014)	ND(0.018)
		30	2.41	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0092)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)	ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)	ND(0.011)	ND(0.014)	ND(0.019)
		35	2.3	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0037)	ND(0.0043)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.004)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0054)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.014)	ND(0.018)
		40	2.37	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0051)	ND(0.0051)	ND(0.0051)	ND(0.0041)	ND(0.0042)	ND(0.0048)	ND(0.005)	ND(0.0055)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)	ND(0.011)	ND(0.014)	ND(0.019)
		45	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)	ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)	ND(0.012)	ND(0.014)	ND(0.019)
		50	2.44	0.027 J	ND(0.027)	ND(0.006)	0.0078 J	ND(0.0049)	ND(0.0094)	ND(0.0044)	ND(0.026)	0.008 J	0.079 J	0.026 J	0.11 J	0.048 J	ND(0.0042)	ND(0.0043)	0.0052 J	ND(0.0052)	ND(0.0057)	0.022 J	0.065 J	ND(0.0027)	0.052 J	ND(0.012)	ND(0.014)	ND(0.02)
		50 Dup	2.44	ND(0.027)	ND(0.027)	0.014 J	0.037 J	ND(0.0049)	ND(0.0094)	ND(0.0044)	ND(0.026)	ND(0.0039)	0.38 J	0.12 J	0.57 J	0.25 J	ND(0.0042)	ND(0.0043)	0.022 J	ND(0.0052)	ND(0.0057)	0.062 J	0.14 J	ND(0.0027)	0.15 J	ND(0.012)	ND(0.014)	0.045 J
		55	2.44	ND(0.027)	ND(0.027)	ND(0.006)	ND(0.006)	ND(0.0049)	ND(0.0094)	ND(0.0044)	ND(0.026)	ND(0.0039)	ND(0.0046)	ND(0.0053)	ND(0.0053)	ND(0.0053)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0057)	ND(0.006)	ND(0.006)	ND(0.0027)	ND(0.006)	ND(0.012)	ND(0.014)	ND(0.02)
		60	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)	ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)	ND(0.012)	ND(0.014)	ND(0.019)
VW-96	Mar 2009	20	2.64	ND(0.29)	ND(0.29)	ND(0.065)	ND(0.065)	ND(0.053)	***ND(0.1)***	ND(0.048)	ND(0.28)	ND(0.042)	ND(0.05)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.045)	ND(0.046)	ND(0.054)	ND(0.056)	26	ND(0.065)	ND(0.065)	ND(0.029)	ND(0.065)	ND(0.12)	ND(0.16)	ND(0.21)
		25	24.2	ND(2.6)	ND(2.6)	ND(0.59)	ND(0.59)	ND(0.49)	***ND(0.93)***	ND(0.44)	***ND(2.5)***	ND(0.39)	ND(0.46)	ND(0.52)	ND(0.52)	ND(0.52)	ND(0.42)	ND(0.43)	ND(0.5)	ND(0.52)	520	ND(0.59)	ND(0.59)	ND(0.27)	ND(0.59)	ND(1.2)	ND(1.4)	ND(1.9)
		30	48.4	ND(5.3)	ND(5.3)	ND(1.2)	ND(1.2)	***ND(0.98)***	***ND(1.8)***	ND(0.87)	***ND(5.1)***	ND(0.77)	ND(0.91)	ND(1)	ND(1)	ND(1)	ND(0.83)	ND(0.85)	ND(0.99)	ND(1)	660	ND(1.2)	ND(1.2)	ND(0.54)	ND(1.2)	5	16	ND(3.9)
		35	86.2	ND(9.5)	ND(9.5)	ND(2.1)	ND(2.1)	***ND(1.7)***	***ND(3.3)***	ND(1.6)	***ND(9)***	ND(1.4)	ND(1.6)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.5)	ND(1.5)	ND(1.8)	ND(1.8)	900	ND(2.1)	ND(2.1)	***ND(0.95)***	ND(2.1)	9.4	60	ND(6.9)
		40	44	ND(4.8)	ND(4.8)	ND(1.1)	ND(1.1)	ND(0.89)	***ND(1.7)***	ND(0.79)	***ND(4.6)***	ND(0.7)	ND(0.83)	ND(0.96)	ND(0.96)	ND(0.96)	3.4	ND(0.78)	ND(0.9)	ND(0.94)	940	ND(1.1)	ND(1.1)	ND(0.49)	ND(1.1)	19	200	ND(3.5)
		45	74.7	ND(8.2)	ND(8.2)	ND(1.8)	ND(1.8)	***ND(1.5)***	***ND(2.9)***	ND(1.3)	***ND(7.8)***	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.6)	ND(1.6)	28	4.6	ND(1.5)	ND(1.6)	1100	ND(1.8)	ND(1.8)	ND(0.83)	ND(1.8)	29	350	49
		50	77.7	ND(8.5)	ND(8.5)	ND(1.9)	ND(1.9)	***ND(1.6)***	***ND(3)***	ND(1.4)	***ND(8.1)***	1.8	ND(1.5)	ND(1.7)	ND(1.7)	ND(1.7)	130	30	3.8	ND(1.6)	1300	ND(1.9)	ND(1.9)	ND(0.86)	ND(1.9)	64	920	280
		55	92	ND(10)	ND(10)	ND(2.3)	ND(2.3)	***ND(1.9)***	***ND(3.5)***	ND(1.6)	***ND(9.6)***	1.5	ND(1.7)	ND(2)	ND(2)	ND(2)	170	51	15	ND(2)	1200	ND(2.3)	ND(2.3)	ND(1)	ND(2.3)	67	940	340
	Sep/Oct 2009	20	238	ND(26)	ND(26)	ND(5.8)	ND(5.8)	***ND(4.8)***	***ND(9.1)***	ND(4.3)	***ND(25)***	***ND(3.8)***	ND(4.5)	***ND(5.2)***	ND(5.2)	ND(5.2)	ND(4.1)	ND(4.2)	ND(4.9)	ND(5.1)	750	***ND(5.8)***	***ND(5.8)***	***ND(2.6)***	ND(5.8)	14	82	ND(19)
		25	276	ND(30)	ND(30)	ND(6.8)	ND(6.8)	***ND(5.6)***	***ND(11)***	ND(5)	***ND(29)***	***ND(4.4)***	ND(5.2)	ND(6)	ND(6)	ND(6)	ND(4.8)	ND(4.9)	ND(5.6)	ND(5.9)	1200	***ND(6.8)***	*ND(6.8)*	***ND(3)***	ND(6.8)	37	300	ND(22)
		30	448	ND(49)	ND(49)	ND(11)	ND(11)	***ND(9.1)***	***ND(17)***	ND(8.1)	***ND(47)***	***ND(7.2)***	ND(8.4)	ND(9.7)	ND(9.7)	ND(9.7)	15	9.4	ND(9.2)	ND(9.5)	1300	***ND(11)***	***ND(11)***	***ND(5)***	ND(11)	98	890	ND(36)
		35	432	ND(47)	ND(47)	ND(11)	ND(11)	***ND(8.7)***	***ND(16)***	ND(7.8)	***ND(45)***	***ND(6.9)***	ND(8.1)	ND(9.4)	ND(9.4)	ND(9.4)	34	17	ND(8.8)	ND(9.2)	1400	***ND(11)***	***ND(11)***	***ND(4.8)***	ND(11)	130	1200	44
		35 Dup	432	ND(47)	ND(47)	ND(11)	ND(11)	***ND(8.7)***	***ND(16)***	ND(7.8)	***ND(45)***	***ND(6.9)***	ND(8.1)	ND(9.4)	ND(9.4)	ND(9.4)	31	16	ND(8.8)	ND(9.2)	1300	***ND(11)***	***ND(11)***	***ND(4.8)***	ND(11)	120	1100	42
		40	710	ND(78)	ND(78)	ND(17)	ND(17)	***ND(14)***	***ND(27)***	ND(13)	***ND(74)***	***ND(11)***	ND(13)	***ND(15)***	ND(15)	ND(15)	68	38	ND(14)	ND(15)	1200	***ND(17)***	***ND(17)***	***ND(7.8)***	ND(17)	130	1200	93
		45	611	ND(67)	ND(67)	ND(15)	ND(15)	***ND(12)***	***ND(23)***	ND(11)	***ND(64)***	***ND(9.8)***	ND(12)	ND(13)	ND(13)	ND(13)	180	120	ND(12)	ND(13)	1700	***ND(15)***	***ND(15)***	***ND(6.8)***	ND(15)	190	1800	340
		50	763	ND(84)	ND(84)	ND(19)	ND(19)	***ND(15)***	***ND(29)***	ND(14)	***ND(80)***	***ND(12)***	ND(14)	***ND(16)***	ND(16)	ND(16)	220	180	22	ND(16)	1200	***ND(19)***	***ND(19)***	***ND(8.4)***	ND(19)	170	1600	400
		55	763	ND(84)	ND(84)	ND(19)	ND(19)	***ND(15)***	***ND(29)***	ND(14)	***ND(80)***	***ND(12)***	ND(14)	***ND(16)***	ND(16)	ND(16)	310	360	90	ND(16)	1500	***ND(19)***	***ND(19)***	***ND(8.4)***	ND(19)	210	1900	600
		60	763	ND(84)	ND(84)	ND(19)	32	***ND(15)***	***ND(29)***	ND(14)	***ND(80)***	***50***	ND(14)	***35***	ND(16)	ND(16)	590	900	450	ND(16)	2200	***ND(19)***	***ND(19)***	***ND(8.4)***	ND(19)	220	2200	1500
VW-99	Sep/Oct 2009	20	388	ND(42)	ND(42)	ND(9.5)	ND(9.5)	***ND(7.8)***	***ND(15)***	ND(7)	***ND(41)***	***ND(6.2)***	ND(7.3)	***ND(8.4)***	ND(8.4)	ND(8.4)	170	34	ND(8)	ND(8.3)	920	***ND(9.5)***	***ND(9.5)***	***ND(4.3)***	ND(9.5)	30	670	280
		25	164	ND(18)	ND(18)	ND(4)	ND(4)	***ND(3.3)***	***ND(6.3)***	ND(3)	***ND(17)***	ND(2.6)	ND(3.1)	ND(3.6)	ND(3.6)	ND(3.6)	98	25	ND(3.4)	ND(3.5)	740	ND(4)	ND(4)	***ND(1.8)***	ND(4)	20	460	170
		30	242	ND(26)	ND(26)	ND(5.9)	ND(5.9)	***ND(4.9)***	***ND(9.3)***	ND(4.4)	***ND(25)***	***ND(3.9)***	ND(4.6)	ND(5.2)	ND(5.2)	ND(5.2)	120	31	ND(5)	ND(5.2)	1000	ND(5.9)	ND(5.9)	***ND(2.7)***	ND(5.9)	30	600	230
		30 Dup	253	ND(28)	ND(28)	ND(6.2)	ND(6.2)	***ND(5.1)***	***ND(9.7)***	ND(4.6)	***ND(26)***	***ND(4)***	ND(4.8)	ND(5.5)	ND(5.5)	ND(5.5)	120	30	ND(5.2)	ND(5.4)	1100	ND(6.2)	ND(6.2)	***ND(2.8)***	ND(6.2)	31	610	240
		35	373	ND(41)	ND(41)	ND(9.2)	ND(9.2)	***ND(7.5)***	***ND(14)***	ND(6.7)	***ND(39)***	***ND(6)***	ND(7)	ND(8.1)	ND(8.1)	ND(8.1)	80	23	ND(7.6)	ND(7.9)	840	***ND(9.2)***	***ND(9.2)***	***ND(4.1)***	ND(9.2)	27	580	110
		40	397	ND(44)	ND(44)	ND(9.8)	ND(9.8)	***ND(8)***	***ND(15)***	ND(7.2)	***ND(42)***	***ND(6.3)***	ND(7.5)	ND(8.6)	ND(8.6)	ND(8.6)	140	83	12	ND(8.4)	910	***ND(9.8)***	ND(9.8)	***ND(4.4)***	ND(9.8)	30	740	260
		45	388	ND(42)	ND(42)	ND(9.5)	ND(9.5)	***ND(7.8)***	***ND(15)***	ND(7)	***ND(41)***	***ND(6.2)***	ND(7.3)	ND(8.4)	ND(8.4)	ND(8.4)	180	120	22	ND(8.3)	1000	***ND(9.5)***	ND(9.5)	***ND(4.3)***	ND(9.5)	38	910	360
		50	560	ND(61)	ND(61)	ND(14)	ND(14)	***ND(11)***	***ND(22)***	ND(10)	***ND(59)***	***ND(8.9)***	ND(10)	ND(12)	ND(12)	ND(12)	300	390	110	ND(12)	1300	***ND(14)***	***ND(14)***	***ND(6.2)***	ND(14)	44	1200	710
		55	672	ND(74)	ND(74)	ND(16)	ND(16)	***ND(14)***	***ND(26)***	ND(12)	***ND(70)***	***ND(11)***	ND(13)	ND(14)	ND(14)	ND(14)	400	660	220	ND(14)	1400	***ND(16)***	***ND(16)***	***ND(7.4)***	ND(16)	52	1400	920
		60	166	ND(18)	ND(18)	ND(4.1)	ND(4.1)	***ND(3.4)***	***ND(6.4)***	ND(3)	***ND(17)***	ND(2.6)	ND(3.1)	ND(3.6)	ND(3.6)	ND(3.6)	120	140	43	ND(3.5)	370	5.4	ND(4.1)	***ND(1.8)***	ND(4.1)	14	390	300
VW-127	Sep/Oct 2009	20	2.24	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0049)	ND(0.0049)	ND(0.0049)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0048)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)
		30	2.29	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.014)	ND(0.018)
		40	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)	ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)	ND(0.012)	ND(0.014)	ND(0.019)
		40 Dup	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	0.0046	ND(0.0046)	0.0095	0.021 J	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	0.013 J	ND(0.0027)	0.0091	ND(0.012)	ND(0.014)	ND(0.019)
		50	2.38	ND(0.026)	ND(0.026)	ND(0.0058)	ND(0.0058)	ND(0.0048)	ND(0.0091)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)	ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0058)	ND(0.0058)	ND(0.0026)	ND(0.0058)	ND(0.011)	ND(0.014)	ND(0.019)

US EPA ARCHIVE DOCUMENT

TABLE 3-1. SCREENING EVALUATION FOR NESTED SOIL VAPOR RESULTS, GASOLINE RELATED CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Nested Vapor Monitoring Well	Date	Depth	Dilution Factor	n-Butyl-benzene mg/m^3	sec-Butyl-benzene mg/m^3	Isopropyl-benzene mg/m^3	n-Propyl-benzene mg/m^3	1,2-Dichloro-ethane mg/m^3	1,2-Dibromo-ethane mg/m^3	MTBE mg/m^3	Naphthalene mg/m^3	Benzene mg/m^3	Toluene mg/m^3	Ethyl-benzene mg/m^3	m,p-Xylene mg/m^3	o-Xylene mg/m^3	Cyclo-hexane mg/m^3	Hexane mg/m^3	Heptane mg/m^3	Styrene mg/m^3	2,2,4-Trimethyl-pentane mg/m^3	1,3,5-Trimethyl-benzene mg/m^3	1,2,4-Trimethyl-benzene mg/m^3	1,3-Butadiene mg/m^3	4-Ethyl-toluene mg/m^3	Butane mg/m^3	Isopentane mg/m^3	Methyl cyclohexane mg/m^3
VW-128	Sep/Oct 2009	20	2.2	ND(0.024)	ND(0.024)	ND(0.0054)	ND(0.0054)	ND(0.0044)	ND(0.0084)	ND(0.004)	ND(0.023)	ND(0.0035)	0.0054	ND(0.0048)	0.0068	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0045)	ND(0.0047)	ND(0.0051)	ND(0.0054)	0.0079	ND(0.0024)	0.0056	0.014	ND(0.013)	ND(0.018)
		30	2.3	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0037)	ND(0.0043)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.004)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0054)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.014)	ND(0.018)
		40	2.3	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0037)	ND(0.0043)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.004)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0054)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.014)	ND(0.018)
		50	2.3	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0037)	ND(0.0043)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.004)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0054)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.014)	ND(0.018)
VW-129	Sep/Oct 2009	20	2.39	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0048)	ND(0.0092)	ND(0.0043)	ND(0.025)	ND(0.0038)	ND(0.0045)	ND(0.0052)	ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0026)	ND(0.0059)	ND(0.011)	ND(0.014)	ND(0.019)
		30	2.64	ND(0.029)	ND(0.029)	ND(0.0065)	ND(0.0065)	ND(0.0053)	ND(0.01)	ND(0.0048)	ND(0.028)	ND(0.0042)	ND(0.005)	ND(0.0057)	ND(0.0057)	ND(0.0057)	ND(0.0045)	ND(0.0046)	ND(0.0054)	ND(0.0056)	ND(0.0062)	ND(0.0065)	ND(0.0065)	ND(0.0029)	ND(0.0065)	ND(0.012)	ND(0.016)	ND(0.021)
		40	2.42	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0049)	ND(0.0093)	ND(0.0044)	ND(0.025)	ND(0.0039)	ND(0.0046)	ND(0.0052)	ND(0.0052)	ND(0.0052)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0027)	ND(0.0059)	ND(0.012)	ND(0.014)	ND(0.019)
		50	2.48	ND(0.027)	ND(0.027)	ND(0.0061)	ND(0.0061)	ND(0.005)	ND(0.0095)	ND(0.0045)	ND(0.026)	ND(0.004)	ND(0.0047)	ND(0.0054)	ND(0.0054)	ND(0.0054)	ND(0.0043)	ND(0.0044)	ND(0.0051)	ND(0.0053)	ND(0.0058)	ND(0.0061)	ND(0.0061)	ND(0.0027)	ND(0.0061)	ND(0.012)	ND(0.015)	ND(0.02)
		50 Dup	2.44	ND(0.027)	ND(0.027)	ND(0.006)	ND(0.006)	ND(0.0049)	ND(0.0094)	ND(0.0044)	ND(0.026)	ND(0.0039)	ND(0.0046)	ND(0.0053)	ND(0.0053)	ND(0.0053)	ND(0.0042)	ND(0.0043)	ND(0.005)	ND(0.0052)	ND(0.0057)	ND(0.006)	ND(0.006)	ND(0.0027)	ND(0.006)	ND(0.012)	ND(0.014)	ND(0.02)
VW-130	Sep/Oct 2009	20	2.39	ND(0.026)	ND(0.026)	ND(0.0059)	ND(0.0059)	ND(0.0048)	ND(0.0092)	ND(0.0043)	ND(0.025)	ND(0.0038)	0.0076	ND(0.0052)	ND(0.0052)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0049)	ND(0.0051)	ND(0.0056)	ND(0.0059)	ND(0.0059)	ND(0.0026)	ND(0.0059)	0.018	ND(0.014)	ND(0.019)
		30	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	ND(0.0037)	0.0077	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)	ND(0.011)	0.015	ND(0.019)
		40	2.68	ND(0.029)	ND(0.029)	ND(0.0066)	ND(0.0066)	ND(0.0054)	ND(0.01)	ND(0.0048)	ND(0.028)	ND(0.0043)	ND(0.005)	ND(0.0058)	ND(0.0058)	ND(0.0058)	ND(0.0046)	ND(0.0047)	ND(0.0055)	ND(0.0057)	ND(0.0062)	ND(0.0066)	ND(0.0066)	ND(0.003)	ND(0.0066)	ND(0.013)	ND(0.016)	ND(0.022)
		40 Dup	2.71	ND(0.03)	ND(0.03)	ND(0.0067)	ND(0.0067)	ND(0.0055)	ND(0.01)	ND(0.0049)	ND(0.028)	ND(0.0043)	ND(0.0051)	ND(0.0059)	ND(0.0059)	ND(0.0059)	ND(0.0047)	ND(0.0048)	ND(0.0056)	ND(0.0058)	ND(0.0063)	ND(0.0067)	ND(0.0067)	ND(0.003)	ND(0.0067)	ND(0.013)	ND(0.016)	ND(0.022)
VW-139	Jul 2009	5	3.95	ND(0.043)	ND(0.043)	ND(0.0097)	ND(0.0097)	ND(0.008)	ND(0.015)	ND(0.0071)	ND(0.041)	0.0011 J	ND(0.0074)	0.0038 J	0.0017 J	ND(0.0086)	ND(0.0068)	ND(0.007)	ND(0.0081)	ND(0.0084)	ND(0.0092)	ND(0.0097)	ND(0.0097)	ND(0.0044)	ND(0.0097)	ND(0.019)	ND(0.023)	ND(0.032)
		10	2.29	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	0.0088	0.02	0.0042 J	0.02	0.0095	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0053)	ND(0.0056)	0.012	ND(0.0025)	0.0061	ND(0.011)	ND(0.014)	ND(0.018)
		15	2.33	ND(0.026)	ND(0.026)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.009)	ND(0.0042)	ND(0.024)	0.0005 J	0.0009 J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0048)	ND(0.005)	ND(0.0054)	ND(0.0057)	ND(0.0057)	ND(0.0026)	ND(0.0057)	ND(0.011)	ND(0.014)	ND(0.019)
		20	4.76	ND(0.052)	ND(0.052)	ND(0.012)	ND(0.012)	ND(0.0096)	ND(0.018)	ND(0.0086)	ND(0.05)	0.003 J	0.005 J	0.0022 J	0.0031 J	ND(0.01)	ND(0.0082)	ND(0.0084)	ND(0.0098)	ND(0.01)	ND(0.011)	ND(0.012)	ND(0.012)	ND(0.0053)	ND(0.012)	ND(0.023)	ND(0.028)	ND(0.038)
		30	4.66	ND(0.051)	ND(0.051)	ND(0.011)	ND(0.011)	ND(0.0094)	ND(0.018)	ND(0.0084)	ND(0.049)	ND(0.0074)	ND(0.0088)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.008)	ND(0.0082)	ND(0.0095)	ND(0.0099)	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.0052)	ND(0.011)	ND(0.022)	ND(0.028)	ND(0.037)
	Sep/Oct 2009	5	2.23	ND(0.024)	ND(0.024)	ND(0.0055)	ND(0.0055)	ND(0.0045)	ND(0.0086)	ND(0.004)	ND(0.023)	ND(0.0036)	ND(0.0042)	ND(0.0048)	ND(0.0048)	ND(0.0048)	ND(0.0038)	ND(0.0039)	ND(0.0046)	ND(0.0047)	ND(0.0052)	ND(0.0055)	ND(0.0055)	ND(0.0025)	ND(0.0055)	ND(0.011)	ND(0.013)	ND(0.018)
		10	2.3	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0037)	ND(0.0043)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.004)	ND(0.004)	ND(0.0047)	ND(0.0049)	ND(0.0054)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.014)	ND(0.018)
		15	2.28	ND(0.025)	ND(0.025)	ND(0.0056)	ND(0.0056)	ND(0.0046)	ND(0.0088)	ND(0.0041)	ND(0.024)	ND(0.0036)	ND(0.0043)	ND(0.0049)	0.005 J	ND(0.005)	ND(0.0039)	ND(0.004)	ND(0.0047)	ND(0.0048)	ND(0.0053)	ND(0.0056)	ND(0.0056)	ND(0.0025)	ND(0.0056)	ND(0.011)	ND(0.013)	ND(0.018)
		20	2.16	ND(0.024)	ND(0.024)	ND(0.0053)	ND(0.0053)	ND(0.0044)	ND(0.0083)	ND(0.0039)	ND(0.023)	0.0057	ND(0.0041)	ND(0.0047)	ND(0.0047)	ND(0.0047)	ND(0.0037)	ND(0.0038)	ND(0.0044)	ND(0.0046)	ND(0.005)	ND(0.0053)	ND(0.0053)	ND(0.0024)	ND(0.0053)	ND(0.01)	ND(0.013)	ND(0.017)
		30	2.31	ND(0.025)	ND(0.025)	ND(0.0057)	ND(0.0057)	ND(0.0047)	ND(0.0089)	ND(0.0042)	ND(0.024)	ND(0.0037)	ND(0.0044)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.004)	ND(0.0041)	ND(0.0047)	ND(0.0049)	0.0084	ND(0.0057)	0.0062	ND(0.0026)	ND(0.0057)	ND(0.011)	ND(0.014)	ND(0.018)
		40	632	ND(69)	ND(69)	ND(16)	ND(16)	**ND(13)**	***ND(24)***	ND(11)	***ND(66)***	***ND(10)***	ND(12)	ND(14)	24 J	ND(14)	440	320	260 J	ND(13)	2400	***ND(16)***	***ND(16)***	***ND(7)***	ND(16)	34	1200	780
		40 Dup	625	ND(69)	ND(69)	ND(15)	ND(15)	**ND(13)**	***ND(24)***	ND(11)	***ND(66)***	***ND(10)***	ND(12)	14 J	31 J	ND(14)	510	370	310 J	ND(13)	2800	***ND(15)***	***22***	***ND(6.9)***	ND(15)	38	1400	920

USEPA RSL for Depths of 20 ft-bgs	NA	NA	210	NA	0.47	0.021	47	0.36	1.6	2600	4.9	365	365	3150	365	NA	500	NA	3.2	3.7	0.41	NA	NA	NA	NA
USEPA RSL for Depths Greater than 20 ft-bgs to 35 ft-bgs	NA	NA	420	NA	0.94	0.041	94	0.72	3.1	5200	9.7	730	730	6300	730	NA	1000	NA	6.3	7.3	0.81	NA	NA	NA	NA
USEPA RSL for Depths Greater than 35 ft-bgs	NA	NA	600	NA	1.3	0.059	134	1.0	4.4	7429	14	1043	1043	9000	1043	NA	1429	NA	9.0	10.4	1.16	NA	NA	NA	NA

NOTES:

Screening levels for Hooven calculated using the Regional Screening Levels for residential air and semi-site specific attenuation factors from Figure 3a of the *OSWER Draft VI Guidance* . For depths of 20 ft-bgs an attenuation of 0.002 was used, for depths of greater than 20 ft-bgs to 35 ft-bgs an attenuation factor of 0.001 was used, and for depths greater than 35 ft-bgs an attenuation factor of 0.0007 was used.

Screening levels for the Southwest Quad calculated using the Regional Screening Levels for residential air and semi-site specific attenuation factors from Figure 3a of the OSWER Draft VI Guidance . For depths between 5 and 10 ft-bgs an attenuation of 0.002 was used, for depths of greater than 10 ft-bgs to 30 ft-bgs an attenuation factor of 0.001 was used, and for depths greater than 30 ft-bgs an attenuation factor of 0.0007 was used.

BOLD ITALICS - reported value is above the adjusted USEPA April 2009 RSL screening standard at the specified depth

Dup - Blind Duplicate Sample

J – estimated concentration

mg/m^3 - milligram per cubic meter

NA - Not Available

ND - Not detected

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TABLE 3-2. DISTRIBUTION OF DISSOLVED PHASE CONSTITUENTS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Constituent	Up-Gradient of Smear Zone[1]	Within Smear Zone[2]	Down-Gradient of Smear Zone[3]
Average TPH Concentration	0.119	8.667	No Data
Average BTEX Concentration	0.019	1.261	0.020
Average Benzene Concentration	0.005	0.496	0.005
Average Nitrate Concentration	4.30	0.10	0.41
Average Sulfate Concentration	76.6	31.9	29.2
Average Ferrous Iron Concentration	0.048	8.863	1.473
Average Dissolved Manganese Concentration	0.111	0.706	0.606
Average Methane Concentration	0.015	6.330	0.202

NOTES:
[1] - Wells Upgradient of Smear Zone include MW-51, MW-95S, MW-100S, MW-113, MW-114, and MW-129
[2] - Wells within Smear Zone include L-1RR, MW-10, MW-17, MW-21, MW-22, MW-26R, MW-33, MW-38, MW-48S, MW-52, MW-64, MW-80, MW-93S MW-104S, MW-112, MW-115S, MW-124, MW-139, MW-141, and MW-142
[3] - Wells Downgradient of Smear Zone include MW-35, MW-37, MW-120, MW-131, MW-132, MW-133, MW-134, and MW-138

Concentrations reported in milligrams per liter
Average values estimated assuming non-detect concentrations equal one half the detection limit, or average of detection limits when all constituents are non-detect.

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TABLE 4-1. WEEKLY LNAPL RECOVERY BY PRODUCTION WELL
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Week	Date	PROD_19		PROD_20		PROD_21		PROD_24		**All Production Wells**		
		Weekly Recovery	Subtotal	Weekly Recovery	Subtotal	Weekly Recovery	Subtotal	Weekly Recovery	Subtotal	**Weekly Recovery**	**Daily Average**	**Total LNAPL**
1	8/17/2009	0	0	19	19	0	0	0	0	**19**	**3**	**19**
2	8/24/2009	0	0	548	567	0	0	0	0	**548**	**78**	**567**
3	8/31/2009	0	0	2,070	2,637	0	0	0	0	**2,070**	**296**	**2,637**
4	9/7/2009	0	0	4,477	7,114	0	0	0	0	**4,477**	**640**	**7,114**
5	9/14/2009	0	0	4,445	11,559	0	0	0	0	**4,445**	**635**	**11,559**
6	9/21/2009	0	0	4,970	16,529	0	0	0	0	**4,970**	**710**	**16,529**
7	9/28/2009	0	0	1,952	18,481	0	0	0	0	**1,952**	**279**	**18,481**
8	10/5/2009	0	0	1,996	20,477	0	0	0	0	**1,996**	**285**	**20,477**
9	10/12/2009	0	0	1,075	21,552	0	0	0	0	**1,075**	**154**	**21,552**
10	10/19/2009	0	0	2,204	23,756	0	0	0	0	**2,204**	**315**	**23,756**
11	10/26/2009	0	0	232	23,988	0	0	0	0	**232**	**33**	**23,988**
12	11/2/2009	0	0	1	23,989	0	0	0	0	**1**	**0**	**23,989**
13	11/9/2009	0	0	12	24,001	0	0	7	7	**19**	**3**	**24,008**
14	11/16/2009	4	4	10	24,010	0	0	76	83	**90**	**13**	**24,098**
15	11/23/2009	42	46	5	24,015	0	0	86	169	**133**	**19**	**24,230**
16	11/30/2009	525	571	1	24,015	112	112	0	169	**638**	**91**	**24,868**
17	12/7/2009	365	936	1	24,016	241	353	0	169	**607**	**87**	**25,475**
18	12/14/2009	19	955	0	24,016	5	358	0	169	**24**	**3**	**25,499**

NOTE:
All quantities are reported in gallons

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TABLE 4-2. GROUNDWATER EXTRACTION RATE AND PRODUCTION WELL FLUID LEVELS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Date	PROD_19			PROD_20			PROD_21			PROD_24		
	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)
8/20/2009						2,030						
8/21/2009				ND	41.80	2,900						
8/22/2009						2,900						
8/23/2009						2,900						
8/24/2009						2,925						
8/25/2009						2,850						
8/26/2009				43.31	43.35	2,906						
8/27/2009						2,870						
8/28/2009				43.63	44.00	2,910						
8/29/2009						2,900						
8/30/2009						2,900						
8/31/2009						2,880						
9/1/2009				43.97	44.01	2,875						
9/2/2009						2,900						
9/3/2009						2,880						
9/4/2009						2,890						
9/5/2009						2,890						
9/6/2009						2,890						
9/7/2009						2,890						
9/8/2009						2,890						
9/9/2009				44.10	44.13	2,890						
9/10/2009						2,920						
9/11/2009						2,900						
9/12/2009						2,910						
9/13/2009						2,920						
9/14/2009						2,900						

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TABLE 4-2. GROUNDWATER EXTRACTION RATE AND PRODUCTION WELL FLUID LEVELS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Date	PROD_19			PROD_20			PROD_21			PROD_24		
	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)
9/15/2009						2,890						
9/16/2009						2,920						
9/17/2009				44.46	44.53	2,900						
9/18/2009				44.35	44.93	2,890						
9/19/2009						2,890						
9/20/2009						2,890						
9/21/2009						2,850						
9/22/2009						2,895						
9/23/2009						2,890						
9/24/2009						2,880						
9/25/2009						2,860						
9/26/2009						2,820						
9/27/2009						2,820						
9/28/2009						2,820						
9/29/2009						2,820						
9/30/2009				44.45	44.46	2,800						
10/1/2009						2,850						
10/2/2009						2,800						
10/3/2009						2,800						
10/4/2009						2,800						
10/5/2009				44.28	44.50	2,820						
10/6/2009						2,820						
10/7/2009						3,080						
10/8/2009						3,060						
10/9/2009				44.89	44.93	3,050						

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TABLE 4-2. GROUNDWATER EXTRACTION RATE AND PRODUCTION WELL FLUID LEVELS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Date	PROD_19			PROD_20			PROD_21			PROD_24		
	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)
10/10/2009						3,050						
10/11/2009						3,000						
10/12/2009						3,000						
10/13/2009						3,380						
10/14/2009						3,360						
10/15/2009						3,380						
10/16/2009				44.77	44.95	3,380						
10/17/2009						3,370						
10/18/2009						3,370						
10/19/2009						3,375						
10/20/2009						3,360						
10/21/2009						3,355						
10/22/2009						3,380						
10/23/2009				44.82	44.86	3,380						
10/24/2009						3,370						
10/25/2009						3,370						
10/26/2009						3,370						
10/27/2009						3,240						
10/28/2009						3,360						
10/29/2009				44.04	44.07	3,370						
10/30/2009						3,350						
10/31/2009						3,350						
11/1/2009						3,380						
11/2/2009						3,380						
11/3/2009						3,410						
11/4/2009						3,400						

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TABLE 4-2. GROUNDWATER EXTRACTION RATE AND PRODUCTION WELL FLUID LEVELS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Date	PROD_19			PROD_20			PROD_21			PROD_24		
	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)
11/5/2009						3,370						
11/6/2009						3,390						
11/7/2009						3,390						
11/8/2009						3,390						
11/9/2009						3,360						
11/10/2009						3,390						
11/11/2009						3,160						
11/12/2009				43.92	43.93	1,930						1,080
11/13/2009						1,930				68.17	68.37	980
11/14/2009						1,930						830
11/15/2009						1,930						830
11/16/2009						1,990						830
11/17/2009						1,030						960
11/18/2009						1,020						950
11/19/2009						2,100						850
11/20/2009				43.12	43.22	2,100				ND	68.20	840
11/21/2009			1,710									845
11/22/2009			1,710									845
11/23/2009			1,710									845
11/24/2009			1,960			975						
11/25/2009			1,965			975						
11/26/2009			1,965			975						
11/27/2009			1,965			975						
11/28/2009			1,965			975						
11/29/2009			1,965			975						
11/30/2009	ND	44.44	1,970	ND	42.55	970						

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TABLE 4-2. GROUNDWATER EXTRACTION RATE AND PRODUCTION WELL FLUID LEVELS
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Date	PROD_19			PROD_20			PROD_21			PROD_24		
	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)	Depth to LNAPL (feet)	Depth to Water (feet)	Extraction Rate (gpm)
12/1/2009			2,620									
12/2/2009			2,620									
12/3/2009			2,640						400			
12/4/2009			2,650						400			
12/5/2009			2,650						400			
12/6/2009			2,650						400			
12/7/2009			2,650						400			
12/8/2009			2,640						400			
12/9/2009			2,640						400			
12/10/2009			2,415						400			
12/11/2009			2,625						400			
12/12/2009			2,635						400			
12/13/2009			2,640						400			
12/14/2009			2,640						400			

NOTES:
gpm - gallons per minute
ND - Not detected
NR - Not recordable due to field conditions

TABLE 4-3. 2009 HIGH GRADE RECOVERY SUMMARY
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Production Well	High-Grade Pumping Start Date	High-Grade Pumping End Date	Cumulative LNAPL Recovered (gallons)	Average Daily LNAPL Recovery Rate (gpd)	Average Daily Groundwater Extraction Rate (gpd)	LNAPL Removal Efficiency (gallons/gallon)
PROD_19	11/20/09	12/14/09	955	40	3,399,200	85,389
PROD_20	8/19/09	11/30/09	24,015	233	4,108,065	17,619
PROD_21	12/3/09	12/14/09	358	128	NA	NA
PROD_24	11/12/09	11/24/09	169	14	1,282,200	90,882

NOTES:
gpd - gallons per day
gpm - gallons per minute
LNAPL Removal Efficiency - gallons of groundwater extracted per gallon of LNAPL recovered

TABLE 4-4. HIGH GRADE TRIGGER LEVELS, SOUTHWEST AREA
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Monitoring Well	Historical Low Groundwater Elevation (ft-amsl)	Date of Historical Low Groundwater Elevation	Drawdown 2005 Production Well PROD_20 (feet)	Drawdown 2006 Production Well PROD_19 (feet)	Drawdown 2007 Production Well PROD_19 (feet)	Drawdown 2009 Production Well PROD_20 (feet)	Initial High-Grade Trigger[1] (ft-amsl)	Frequency of High-Grade Occurrence (%)	Revised High-Grade Trigger (ft-amsl)[1]	Frequency of High-Grade Occurrence (%)
MW-20S	458.20	10/16/2009	3.6	4.2	4.2	5.2	464.8	92%	463.4	85%
MW-93S	460.66	10/16/2009	3.9	1.3	2.5	2.6	466.2	100%	464.6	88%
MW-96S	459.38	10/16/2009	3.6	2.4	3.5	3.2	465.9	100%	463.0	25%
MW-99S	459.09	10/1/2007	3.4	3.5	3.6	2.3	465.5	100%	462.7	25%

NOTES:

[1] - Initial high-grade trigger described in the *Remedy Implementation Plan for Final Groundwater Remedy, Chevron Cincinnati Facility* (Trihydro 2007a) and *Operations, Maintenance and Monitoring Plan for Final Groundwater Remedy, Chevron Cincinnati Facility* (Trihydro 2007b)

ft-amsl - feet above mean sea level

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TABLE 4-5. SUMMARY OF HSVE OPERATION AND ORGANIC CARBON RECOVERY
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Year	Days of Operation Line No. 1	Line No. 2	Line No. 3	Cumulative Days of Operation[1]	Organic Carbon Recovered (lbs)	Mass Removal Rate (lbs/day)
1999	38	0	0	38	120,000	3,158
2000	218	0	0	218	135,000	619
2001	30	29	198	253	42,500	168
2002	27	20	87	122	58,000	475
2003	0	0	9	9	2,200	244
2004	0	44	0	44	22,200	505
2005	33	42	40	55	14,500	264
2006	1	3	34	35	24,300	694
2007	70	17	85	164	78,850	481
2008	0	0	0	0	0	0
2009	23	43	28	63	34,000	540

NOTES:

[1] - Multiple lines may be operated simultaneously during HSVE system operation. The cumulative days of operation represents the number of days the system was operating and not the total operation summed from operation of each individual line

lbs - pounds

lbs/day - pounds per day

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TABLE 4-6. 2009 HSVE OPERATIONAL MONITORING DATA
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

			HSVE LINE 1							HSVE LINE 2							HSVE LINE 3							
Date	Time	Flow (scfm)	Vacuum (in-H_2O)	CH_4 (%)	CO_2 (%)	O_2 (%)	LEL (%)	Total Organic Vapor (ppm)	Lab Samples Collected (Yes/No)	Vacuum (in-H_2O)	CH_4 (%)	CO_2 (%)	O_2 (%)	LEL (%)	Total Organic Vapor (ppm)	Lab Samples Collected (Yes/No)	Vacuum (in-H_2O)	CH_4 (%)	CO_2 (%)	O_2 (%)	LEL (%)	Total Organic Vapor (ppm)	Lab Samples Collected (Yes/No)	Comments
10/16/09	8:45	1597	65.00	5.3%	6.6%	11.3%	99.9%	394	Y															
10/19/09	10:00	1600	65.00	4.3%	4.1%	15.1%	86.0%	469	N															
10/20/09	8:34	1604	63.00	4.0%	3.4%	15.8%	77.0%	442	N															
10/21/09	9:20	1600	62.00	5.2%	4.1%	15.5%	99.9%	532	N															
10/22/09	10:05	1587	63.00	4.4%	4.0%	15.3%	90.0%	478	N															
10/23/09	10:10	1550	60.00	5.3%	3.9%	15.3%	99.9%	420	N															
10/26/09	11:27	1550	60.00	4.2%	3.2%	16.4%	79.0%	420	N															
10/27/09	13:25	1550	62.00	1.5%	2.1%	17.3%	30.0%	277	N	62.00	1.5%	3.9%	15.8%	29.0%	224	N								Total Flow 1917 scfm
10/28/09	14:30	1550	57.00	1.6%	2.2%	17.3%	33.0%	303	N	57.00	2.2%	3.7%	16.2%	46.0%	356	N								
10/29/09	15:15	1550	60.00	0.9%	1.3%	18.9%	18.0%	502	Y															
11/2/09	14:00	1568	60.00	0.9%	1.3%	19.1%	19.0%	149	N															
11/3/09	8:30	1550	57.00	0.8%	1.2%	19.0%	17.0%	166	N															
11/4/09	9:00	1433															65.00	6.1%	7.1%	11.3%	99.9%	324	Y	Sampled Inf & Eff.
11/6/09	9:00	1550								62.00	2..6%	2.6%	18.0%	44.0%	430	Y	62.00	4.1%	6.2%	14.2%	81.0%	402	Y	Sampled Inf & Eff.
11/9/09	9:00	1550								60.00	3.8%	2.4%	18.3%	74.0%	564	N	60.00	4.1%	2.5%	17.7%	82.0%	482	N	
11/10/09	14:50	1550								58.00	4.6%	2.7%	17.8%	95.0%	612	N	58.00	3.9%	6.3%	13.7%	78.0%	394	N	
11/12/09	8:45	1550								58.00	3.8%	1.9%	18.3%	67.0%	521	N	58.00	3.5%	5.6%	13.6%	66.0%	369	N	
11/13/09	12:01	1550								58.00	4.7%	2.3%	17.6%	93.0%	535	N	58.00	3.4%	5.7%	13.6%	65.0%	318	N	
11/16/09	14:45	1550								57.00	4.8%	2.1%	17.6%	93.0%	478	N	57.00	2.3%	7.8%	6.8%	44.0%	231	N	Line 2 @ 70% Line 3 @ 20 %
11/18/09	14:55	1550								57.00	3.1%	1.7%	18.0%	62.0%	430	N	57.00	2.3%	8.2%	6.4%	45.0%	231	N	Line 2 @ 70% Line 3 @ 20 %
11/23/09	13:30	1550								67.00	4.3%	2.1%	17.5%	84.0%	435	N	67.00	3.0%	7.0%	10.8%	61.0%	262	N	Line 2 @ 54% Line 3 @ 25%
11/25/09	13:30	1550								67.00	4.3%	2.1%	17.8%	87.0%	395	N	67.00	3.3%	7.0%	11.0%	68.0%	308	N	Line 2 @54% Line 3 @ 25%
11/30/09	14:45	1550								67.00	4.4%	2.1%	17.9%	89.0%	500	Y	67.00	2.1%	7.9%	10.5%	44.0%	245	Y	Line 2 @54% Line 3 @ 25%
12/1/09	13:35	1505	67.00	0.0%	0.9%	18.9%	0.0%	18.6	N								67.00	3.2%	5.9%	13.6%	66.0%	167	N	Line 1 @ 30% Line 3 @ 60%
12/3/09	10:15	1505	67.00	0.0%	2.3%	17.4%	0.0%	27	N								67.00	2.3%	2.9%	17.4%	46.0%	270	N	Line 1 Off Line 3 On @ 10:30AM
12/4/09	12:40	1490															67.00	2.1%	2.5%	18.1%	43.0%	276	N	
12/7/09	10:30	1440															67.00	2.0%	2.2%	18.3%	40.0%	303	Y	
12/11/09	13:00	1464															67.00	1.5%	1.7%	18.5%	30.0%	200	N	
12/17/09	8:30	1450															68.00	1.4%	1.7%	18.7%	29.0%	115	N	
12/17/09	12:45	1647								63.00	1.1%	2.4%	16.4%	21.0%	245	N								
12/18/09	9:25	1488	65.00	0.1%	0.9%	19.0%	2.0%	43.5	N															System Shut Down at 14:10

NOTES:
CH_4 - methane
CO_2 - Ccrbon dioxide
in-H_2O- inches of water
LEL - lower explosive limit
O_2 - oxygen
ppm - parts per million
scfm - standard cubic feet per minute

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TABLE 4-7. 2009 HSVE INFLUENT AND EFFLUENT MONITORING SUMMARY
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

		October		November		December		Average	
		Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent
Benzene	mg/m^3	2400	553.4	1933	22.1	2800	2.6	2378	193
Toluene	mg/m^3	885	91.7	917	3.6	1000	2.6	934	33
Ethylbenzene	mg/m^3	1045	7.6	1063	3.3	1200	3.1	1103	4.7
m,p-Xylene	mg/m^3	1045	8.6	1063	3.8	1200	3.1	1103	5.2
o-Xylene	mg/m^3	1045	7.6	1063	3.3	1200	3.1	1103	4.7
NMOC	mg/m^3	2,650,000	2230	3,500,000	1444	2,800,000	110	2,983,333	1261
Methane	%	0.475	0.01611	0.050	0	0.21	0.0001	0	0
Flow Rate	cfm	1574		1533		1440		1515	

										2009 Totals	
										Influent	Effluent
Organic	lbs/hr	35.6	0.691	22.2	0.016	23.2	0.006	27.0	0.2	81.0	0.7
Compound	lbs/day	854.9	16.587	531.6	0.376	556.8	0.144	648	5.7	1943	17.1
	tons	6.4	0.124	8.0	0.006	5.0	0.001	6.5	0.04	19.4	0.13

NOTES:
For purposes of calculating operational averages, the laboratory detection limit was used when the analyte was not detected (ND).
2009 totals assume continuous operation between start-up on 10/15/09 and shutdown on 12/18/09.
ND - Analyte not detected at laboratory detection limit
NMOC - Non-methane organic carbon

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TABLE 5-1. SOIL VAPOR FIELD SCREENING RESULTS FOR GULF PARK
SECOND 2009 SEMIANNUAL MONITORING EVENT
CHEVRON CINCINNATI FACILITY, HOOVEN, OHIO

Location ID	Oxygen, System Inactive (%)	Oxygen, System Active (%)	Carbon Dioxide, System Inactive (%)	Carbon Dioxide, System Active (%)	Methane, System Inactive (%)	Methane, System Active (%)	Total Organic Vapor, System Inactive (ppmv)	Total Organic Vapor, System Active (ppmv)
VP1-25S	18.1	20.8	0.1	0.0	0.0	0.0	0.0	0.0
VP1-25D	16.9	NS	0.6	NS	0.0	NS	1.6	NS
VP1-50S	17.7	21.0	0.2	0.0	0.0	0.0	0.0	0.0
VP1-50D	NS	NS	NS	NS	NS	NS	NS	NS
VP2-25S	0.7	21.1	1.1	0.0	1.0	0.0	24.5	0.0
VP2-50S	1.8	20.8	14.9	0.0	7.3	0.0	405	0.0
VP3-35S	14.9	21.2	0.1	0.0	0.0	0.0	0.0	0.0
VP3-35D	14.4	NS	0.3	NS	0.0	NS	0.0	NS
VP4-25S	22.0	20.8	0.0	0.0	0.0	0.0	2.7	0.0
VP4-25D	0.4	NS	0.7	NS	1.1	NS	78.9	NS
VP6-35S	1.2	20.8	3.5	0.0	1.7	0.0	28.7	0.0

NOTES:
% - percent
ppmv - parts per million by volume
NS - not sampled due to low soil gas permeability or submersion of the sample point below the water table