

**Environmental
Resources
Management**

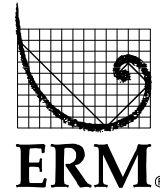
CityCentre Four
840 West Sam Houston
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October 2, 2013

Mr. Mark Riggle
Project Manager
Voluntary Cleanup Section
Texas Commission on Environmental Quality
Mail Code 221
12118 North IH 35, Building D
Austin, Texas 78753

Project No. 0194630

Subject: First Half 2013 Monitoring Data Transmittal
Former Cameron Iron Works Facility, Houston, Texas
VCP No. 221



Dear Mr. Riggle:

On behalf of Cameron International Corporation (Cameron), Environmental Resources Management (ERM) is providing the First Half 2013 Data Transmittal for the Former Cameron Iron Works Facility (the Facility) in Houston, Texas to the Texas Commission on Environmental Quality (TCEQ) for review and consideration. This report presents a summary of the ground water monitoring results during the First Half of 2013. A summary table (Table 1, Attachment 1) has been created to convey this information, as well as the current response action for each area.

The semiannual ground water and surface water sampling event was conducted between May 3 and May 10, 2013. A total of 123 ground water monitor wells were gauged and 115 were sampled during this event. A total of six surface water locations were sampled in accordance with the Response Action Plan (RAP) and RAP Addenda on May 13, 2013. Based on a review of these results, the concentration trends of constituents of concern (COCs) were generally consistent with the Second Half of 2012 data across the majority of the on-site and off-site areas with some exceptions. The exceptions are discussed in detail below.

Evaluation of Plume Movement

Cameron continues to address elevated concentrations of constituents of concern (COCs) at selected well locations where upward trends were previously identified in association with a Texas Department of Transportation (TxDOT) dewatering system at the intersection of I-10 and 610 Loop. This dewatering system was first described in the *First Half 2011 Monitoring Data Transmittal* and on August 17, 2012, ERM received permission from TxDOT to measure the flow from the dewatering system. The discharge was measured following a five day period without rainfall to

isolate the dewatering system's influent to only ground water with no contribution from surface runoff or storm water. At that time, the dewatering system was extracting more than 120 gallons per minute (gpm) of ground water and this system is a significant factor in the on-site and off-site plume movement observed to date. The dewatering system will capture some of the affected ground water at some point in the future. A more significant consequence is the continued easterly migration of affected ground water. ERM continues to evaluate the adequacy of the monitor well network to assess the full extent of affected ground water. A total of seven affected property notification letters were sent to property owners located in the eastern and southern portions of Pinewood Estates and northern Stablewood areas in September 2013. The appropriate notifications will continue to be made in accordance with TCEQ requirements.

In accordance with the TCEQ letter dated June 25, 2013, Cameron is preparing a RAP addendum to address the observed plume movement caused by the dewatering system.

Evaluation of Analytical Results from the First Half 2013

The ground water analytical results collected during the First Half of 2013 were compared with the response action obligations outlined in the RAP. The boundary wells are referred to as "trigger wells" because of their position on the plume boundary and purpose to detect the potential for plume movement. Table 1 indicates which trigger wells require a response action and the proposed response action for each. The ground water analytical results for the trigger wells are presented in Table 2, and the analytical results for the non-trigger wells are presented in Table 3. Trend graphs showing the concentrations of select COCs versus time for 10 trigger wells are provided in Attachment 2. The laboratory reports and data usability summaries will be provided in the 2013 Annual Ground Water Monitoring Report and Field Activities Summary.

The reported surface water concentrations, summarized on Table 4, are below both the critical PCLs and 80% of the critical PCLs as established in the *Human Health and Ecological Risk Assessment for Surface Water and Sediment*, dated June 19, 2003.

Northern (On-site) Area

The ground water extraction system is operating along the southern boundary of the former facility, just north of Interstate 10 (Figure 1). Several areas near the southern boundary continue to respond well to the response action with decreasing COC concentration trends apparent in MW-16R, MW-52, MW-110, MW-111, MW-67 and MW-113. A review of the data indicates that COC concentrations are remaining generally stable to slightly decreasing at levels above their PCLs. The ground water samples from MW-59 have reported the site COCs below the PCLs over the last five monitoring events. This monitor well is within the capture zone of the facility's ground water treatment system. Cameron proposes to move MW-59 from the quarterly to the semiannual sampling schedule.

Upward trends in COC concentrations have been observed in KMW-14 for the past two years after reporting COCs as *Not Detected* since 2000. The ground water flow direction near KMW-

14 appears to be influenced by the dewatering system as upgradient affected ground water migrates southeast toward the dewatering system. Over the past six sampling events, concentrations above the detection limits, but below the PCLs of 1,1-dichloroethane (1,1-DCA) and, in the most-recent sampling event, 1,1-dichloroethene (1,1-DCE), have been reported in MW-03(S) located on the Awty International School property. This area also appears to be influenced by the dewatering system as upgradient affected ground water migrates southeast toward the dewatering system. Cameron proposes to move MW-03(S) from the semiannual to quarterly sampling schedule.

Eastern Area

In the First Half 2013 sampling event, MW-147 reported 1,1-DCE above its PCL and the PCL exceedence was confirmed in a ground water re-sample collected on June 20, 2013. Upward concentration trends continue in MW-146. These monitor wells are influenced by the dewatering system and will remain on the quarterly sampling schedule.

The increasing concentrations of 1,1-DCE and vinyl chloride (VC) above their PCLs in MW-84 were reported since 2009 and prompted an expansion of the treatment system in this area. This area has responded well to the permanganate treatments conducted upgradient of MW-84 in July 2011 and March 2012. A review of the most-recent data show nearly a 97% reduction in the concentration of 1,1-DCE in MW-84 since October 2010 and VC has been reported as *Not Detected* over the past two sampling events. 1,1-DCE remains above its PCL (reported at 0.017 mg/L, PCL of 0.007 mg/L) and MW-84 will remain on the quarterly sampling schedule.

The concentrations of 1,1-DCE in MW-134 have decreased steadily and has reported concentrations of 1,1-DCE below the PCL since November 2012. The concentrations at MW-134 are influenced by the dewatering system and MW-134 will remain on the quarterly sampling schedule.

The concentrations of 1,1-DCE remained generally stable and above the PCL in MW-174. A permanganate treatment was conducted up gradient of MW-174 on March 23, 2012. This area will continue to be monitored for the presence of permanganate and MW-174 will remain on the quarterly sampling schedule.

Western Area

The western area generally remains within its historical footprint with many of the monitoring wells displaying stable to decreasing trends. Of the 29 monitor wells in this area, 10 reported COC concentrations greater than their PCLs with 19 monitor wells reporting site COCs below PCLs or as *Not Detected*.

The concentration of trichloroethene (TCE) in MW-122 remained steady at levels slightly above the PCL in the First Half of 2013. MW-122 will remain on the quarterly sampling schedule.

Southern Area

The concentrations of PCE in MW-125 have remained generally stable. Permanganate treatment was conducted in both upgradient and downgradient wells in July 2011. This area will continue to be monitored for the presence of permanganate and MW-125 will remain on the quarterly sampling schedule.

The increasing concentrations of 1,1-DCE at MW-169 are being evaluated as part of an overall response action for the facility.

MW-93 was not sampled due to the presence of permanganate. MW-88, MW-90 and MW-91 were sampled in the First Half of 2013 due to the minimally apparent presence of permanganate at these wells (visually as a very light pinkish color). A review of the oxidation reduction potential (ORP) readings and ground water color in some areas appear to indicate the residual permanganate has been consumed. An injection gallery survey will be conducted and the data from this survey will be used to plan and refortify the permanganate injection galleries.

The ground water treatment system on the Paraffine Partners Property adjacent to Stablewood has reduced concentrations and the extent of affected ground water in the area. Recovery wells EW-2, EW-3, EW-4 and EW-5 were turned off in September 2012. During the First Half of 2013, as ground water levels were returning to pre-pumping conditions, increasing trends in some COCs (tetrachloroethene, PCE) were observed in MW-175 and MW-176 and EW-4 was turned on. MW-175 and MW-176 will be sampled for a period of time to assess the need for remediation and optimal pumping levels. The proposed monitoring schedule is quarterly and the frequency will be adjusted back to semiannually as appropriate.

Conclusions

Ground water concentrations were monitored at 115 monitor wells in the First Half of 2013 to assess the effectiveness of the remedy at controlling affected ground water.

The dewatering project at the I-610/I-10 Interchange is continuing to influence concentration trends in the off-site plumes causing movement of affected ground water into previously unaffected areas. Ground water samples collected from MW-146, MW-147 and MW-169 reported continued PCL exceedences of 1,1-DCE in the First Half of 2013 indicating continued easterly migration of affected ground water influenced by the dewatering system. A total of seven affected property notification letters were sent to property owners located in the eastern and southern portions of Pinewood Estates and northern Stablewood areas in September 2013.

At the former facility (the on-site area), remediation is occurring along the southern boundary of the former facility. Downward COC concentration trends are observed along the western plume boundary upgradient from the treatment system in MW-52, MW-59 and MW-07R. Along the southern boundary, MW-111 has reported COCs as *Not Detected* over the past four sampling events and MW-67 has reported COCs as *Not Detected* since 2003.

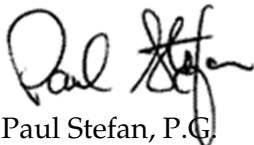
The northeastern portion of the former facility is being influenced by the dewatering system. The concentrations of COCs in KMW-14 continue to show increasing trends with 1,1-DCE, cis-1,2-dichloroethene, TCE and VC reporting concentrations above their PCLs in the First Half of 2013. This area is currently being developed for residential use. The potential impact to the monitor well network is being monitored as infrastructure construction progresses. The impacts will be managed with the guidance of the TCEQ.

The next scheduled ground water monitoring event occurred in August 2013, when select trigger wells were sampled as outlined in the Response Action Plan.

Please contact Mr. Ted Fasting of Cameron International Corporation at (713) 513-3325 or me at (281) 600-1000 with any questions or comments.

Sincerely,

Environmental Resources Management



Paul Stefan, P.G.
Principal Partner

PAS/hmh
Attachments

cc: Marsha Hill, Texas Commission on Environmental Quality, Region X II
Ted Fasting, Cameron International Corporation
Bruce Himmelreich, Cameron International Corporation, (without attachment)

Tables
Attachment 1

October 2, 2013
Project No. 0194630

Environmental Resources Management
CityCentre Four
840 West Sam Houston Parkway North, Suite 600
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(281) 600-1000

TABLE 1

Summary of Response Action Plan Implementation
First Half 2013 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Well ⁽¹⁾	COCs elevated above MQL	COCs elevated above PCL	Need for Additional Notification (Yes or No)	In-situ Treatment (Yes or No)	Sampling Frequency
MW-74	1,1-dichloroethane		no (a)	no	Quarterly
MW-74	1,1-dichloroethene	1,1-dichloroethene	no (a)	no	Quarterly
MW-74	cis-1,2-dichloroethene		no (a)	no	Quarterly
MW-74	vinyl chloride	vinyl chloride	no (a)	no	Quarterly
MW-84	1,1-dichloroethane		no (a)	yes (c)	Quarterly
MW-84	1,1-dichloroethene	1,1-dichloroethene	no (a)	yes (c)	Quarterly
MW-84	Vinyl chloride		no (a)	yes (c)	Quarterly
MW-122	1,1-dichloroethane		no (a)	no	Quarterly
MW-122	1,1-dichloroethene		no (a)	no	Quarterly
MW-122	cis-1,2-dichloroethene		no (a)	no	Quarterly
MW-122	trichloroethene	trichloroethene	no (a)	no	Quarterly
MW-125	tetrachloroethene	tetrachloroethene	no (a)	yes (c)	Quarterly
MW-134	1,1-dichloroethene		no (a)	yes (c)	Quarterly
MW-145 ⁽²⁾	1,1-dichloroethane		no (a)	yes (c)	Quarterly
MW-145 ⁽²⁾	1,1-dichloroethene		no (a)	yes (c)	Quarterly
MW-146 ⁽²⁾	1,1-dichloroethane		no (a)	yes (c)	Quarterly
MW-146 ⁽²⁾	1,1-dichloroethene	1,1-dichloroethene	no (a)	yes (c)	Quarterly
MW-146 ⁽²⁾	cis-1,2-dichloroethene		no (a)	yes (c)	Quarterly
MW-147 ⁽³⁾	1,1-dichloroethane		yes	no	Quarterly
MW-147 ⁽³⁾	1,1-dichloroethene	1,1-dichloroethene	yes	no	Quarterly
MW-169 ⁽²⁾	1,1-dichloroethane		no (a)	no	Quarterly
MW-169 ⁽²⁾	1,1-dichloroethene	1,1-dichloroethene	no (a)	no	Quarterly
MW-174	1,1-dichloroethane		no (a)	yes (c)	Quarterly
MW-174	1,1-dichloroethene	1,1-dichloroethene	no (a)	yes (c)	Quarterly
MW-174	cis-1,2-dichloroethene		no (a)	yes (c)	Quarterly
MW-174	vinyl chloride		no (a)	yes (c)	Quarterly

NOTES:

COCs = Chemicals of Concern

MQL = Method Quantitation Limit

⁽¹⁾ - Quarterly trigger well list as provided in TCEQ letter dated March 21, 2012.

⁽²⁾ - Trigger well added following evaluation of First Half of 2012 data.

⁽³⁾ - Trigger well added following evaluation of First Half of 2013 data.

(a) Properties in the vicinity of the affected ground water have been previously notified.

(c) Injection wells located in this area were injected with sodium permanganate in March 2012. This area is being gauged regularly for the presence of permanganate. Additional permanganate will be injected as needed to reduce concentration levels to the PCL.

(d) Properties in the vicinity of the affected ground water have been notified.

(e) MW-169 lies within the capture zone EW-1 of the Stablewood Remediation System.

TABLE 2

Summary of Monitor Well Ground Water Data for Trigger Wells
First Half 2013 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Constituent	SDL	Critical PCLs (a)	Location:	MW-17R	MW-59	MW-71	MW-72	MW-74	MW-77	MW-80	MW-81	MW-84
			Depth: (b)	26.4	27	27	29	28	30	32.5	27	33
			Date:	5/6/2013	5/8/2013	5/8/2013	5/8/2013	5/6/2013	5/7/2013	5/7/2013	5/8/2013	5/8/2013
1,1-Dichloroethane	0.00050	4.9		ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	0.089	ND (0.00050)	0.0076	ND (0.00050)	0.0082
1,1-Dichloroethene	0.00060	0.0070		ND (0.00060)	ND (0.00060)	0.0029 J	ND (0.00060)	0.019	ND (0.00060)	0.047	ND (0.00060)	0.017
1,2-Dichloroethane	0.00050	0.0050		ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)
cis-1,2-Dichloroethene	0.0010	0.070		ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	0.0021 J	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)
Tetrachloroethene	0.0010	0.0050		ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)
Trichloroethene	0.0010	0.0050		ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)
Vinyl Chloride	0.00050	0.0020		ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	0.0048	ND (0.00050)	0.0012 J	ND (0.00050)	ND (0.00050)

Constituent	SDL	Critical PCLs (a)	Location:	MW-85R	MW-86	MW-95	MW-97	MW-98	MW-99	MW-117	MW-122	MW-123
			Depth: (b)	30	33.5	25	BAILED	BAILED	34	27	29	29
			Date:	5/6/2013	5/6/2013	5/3/2013	5/8/2013	5/7/2013	5/7/2013	5/7/2013	5/7/2013	5/6/2013
1,1-Dichloroethane	0.00050	4.9		ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	0.00066 J	ND (0.00050)
1,1-Dichloroethene	0.00060	0.0070		ND (0.00060)	ND (0.00060)	ND (0.00060)	0.0032 J	ND (0.00060)	ND (0.00060)	ND (0.00060)	0.006	ND (0.00060)
1,2-Dichloroethane	0.00050	0.0050		ND (0.00050)	0.00068 J	ND (0.00050)	ND (0.00050)	ND (0.00050)	0.0006 J	ND (0.00050)	ND (0.00050)	ND (0.00050)
cis-1,2-Dichloroethene	0.0010	0.070		ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	0.0025 J	ND (0.0010)
Tetrachloroethene	0.0010	0.0050		ND (0.0010)	ND (0.0010)	ND (0.0010)	0.0042 J	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)
Trichloroethene	0.0010	0.0050		ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	0.011	ND (0.0010)
Vinyl Chloride	0.00050	0.0020		ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)

Constituent	SDL	Critical PCLs (a)	Location:	MW-125	MW-131	MW-134	MW-139	MW-145	MW-146	MW-168	MW-169	MW-174
			Depth: (b)	BAILED	25	26	26.5	25.5	30	34	36	34
			Date:	5/6/2013	5/7/2013	5/6/2013	5/8/2013	5/8/2013	5/8/2013	5/7/2013	5/7/2013	5/7/2013
1,1-Dichloroethane	0.00050	4.9		ND (0.00050)	ND (0.00050)	ND (0.00050)	0.0038 J	0.003 J	0.02	ND (0.00050)	0.0017 J	0.051
1,1-Dichloroethene	0.00060	0.0070		ND (0.00060)	ND (0.00060)	0.0014 J	0.0053	0.0019 J	0.031	ND (0.00060)	0.055	0.12
1,2-Dichloroethane	0.00050	0.0050		ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)
cis-1,2-Dichloroethene	0.0010	0.070		ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	0.0054	ND (0.0010)	ND (0.0010)	0.0064
Tetrachloroethene	0.0010	0.0050		0.010	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)
Trichloroethene	0.0010	0.0050		ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)
Vinyl Chloride	0.00050	0.0020		ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	0.0013 J

NOTES:

The reported concentrations are in mg/L.

0.0088 = exceedance of TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Ground Water critical PCLs.

ND (0.00050) = Not Detected at the sample detection limit given in parentheses.

SDL = Sample Detection Limit.

(a) TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Ground Water PCLs, Table 3, table for TRRP Rule dated April 2008.

(b) The sample depths are reported in feet below ground surface.

(c) Not sampled due to permanganate in well.

J = Estimated data, the reported sample concentration is approximated.

NS = Not sampled.

TABLE 3

Summary of Monitor Well Ground Water Data
First Half 2013 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Constituent	Critical PCLs (a)	Location:	KMW-01	KMW-07	KMW-13	KMW-14	MW-01	MW-02(C)	MW-02(S)	MW-03(S)	MW-02R	MW-07R
		Depth: (b)	22.5	24	26	GRAB	25		25	25	23	27
		Date:	5/8/2013	5/9/2013	5/9/2013	5/9/2013	5/8/2013		5/6/2013	5/6/2013	5/8/2013	5/8/2013
1,1-Dichloroethane	4.9		NA	NA	NA	NA	NA	P&A'd	ND (0.00050)	0.012	NA	NA
1,1-Dichloroethene	0.0070		0.0044 J	ND (0.00060)	ND (0.00060)	0.10	0.0056	P&A'd	ND (0.00060)	0.0013 J	0.024	ND (0.00060)
1,2-Dichloroethane	0.0050		NA	NA	NA	NA	NA	P&A'd	ND (0.00050)	ND (0.00050)	NA	NA
cis-1,2-Dichloroethene	0.070		ND (0.0010)	ND (0.0010)	ND (0.0010)	0.16	ND (0.0010)	P&A'd	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)
Tetrachloroethene	0.0050		ND (0.0010)	ND (0.0010)	ND (0.0010)	0.0035 J	ND (0.0010)	P&A'd	ND (0.0010)	ND (0.0010)	0.0012 J	ND (0.0010)
Trichloroethene	0.0050		ND (0.0010)	ND (0.0010)	ND (0.0010)	0.026	ND (0.0010)	P&A'd	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)
Vinyl Chloride	0.0020		ND (0.00050)	0.0011 J	ND (0.00050)	0.02	ND (0.00050)	P&A'd	ND (0.00050)	ND (0.00050)	0.0015 J	ND (0.00050)

Constituent	Critical PCLs (a)	Location:	MW-15R	MW-16R	MW-35	MW-43R	MW-50R	MW-52	MW-54	MW-56	MW-58	MW-60
		Depth: (b)	33.5	26	25	24	23	25	25	30	25	34
		Date:	5/6/2013	5/3/2013	5/9/2013	5/8/2013	5/8/2013	5/8/2013	5/9/2013	5/9/2013	5/9/2013	5/8/2013
1,1-Dichloroethane	4.9		0.0075	0.0033 J	NA	NA	NA	NA	NA	NA	NA	ND (0.00050)
1,1-Dichloroethene	0.0070		0.041	0.0018 J	0.019	0.020	0.17	0.031	0.61	ND (0.00060)	ND (0.00060)	ND (0.00060)
1,2-Dichloroethane	0.0050		0.0010 J	ND (0.00050)	NA	NA	NA	NA	NA	NA	NA	0.00063 J
cis-1,2-Dichloroethene	0.070		ND (0.0010)	0.0010 J	0.0075	ND (0.0010)	0.021	ND (0.0010)	21	ND (0.0010)	ND (0.0010)	ND (0.0010)
Tetrachloroethene	0.0050		0.0081	ND (0.0010)	ND (0.0010)	ND (0.0010)	0.010	ND (0.0010)	0.25	ND (0.0010)	ND (0.0010)	ND (0.0010)
Trichloroethene	0.0050		0.0015 J	ND (0.0010)	ND (0.0010)	ND (0.0010)	0.020	ND (0.0010)	2.1	ND (0.0010)	ND (0.0010)	ND (0.0010)
Vinyl Chloride	0.0020		ND (0.00050)	ND (0.00050)	0.021	0.00087 J	0.13	0.00074 J	0.13	ND (0.00050)	ND (0.00050)	ND (0.00050)

Constituent	Critical PCLs (a)	Location:	MW-61	MW-62	MW-63	MW-64	MW-65	MW-66	MW-67	MW-70	MW-73	MW-75R
		Depth: (b)	23	26.5	27	25	25	27	28	27	27	34.5
		Date:	5/8/2013	5/9/2013	5/9/2013	5/8/2013	5/7/2013	5/8/2013	5/8/2013	5/3/2013	5/6/2013	5/3/2013
1,1-Dichloroethane	4.9		ND (0.00050)	NA	NA	NA	NA	NA	NA	0.076	0.011	0.0045 J
1,1-Dichloroethene	0.0070		ND (0.00060)	ND (0.00060)	0.0043 J	ND (0.00060)	0.0023 J	0.11	ND (0.00060)	0.17	0.085	0.0088
1,2-Dichloroethane	0.0050		ND (0.00050)	NA	NA	NA	NA	NA	NA	0.0024 J	0.00058 J	ND (0.00050)
cis-1,2-Dichloroethene	0.070		ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	0.0027 J	0.065	ND (0.0010)	0.033	0.037 J	0.0012 J
Tetrachloroethene	0.0050		ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	0.045	ND (0.0010)	0.038	0.0083	0.0017 J
Trichloroethene	0.0050		ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	0.0052	ND (0.0010)	0.032	0.0045 J	0.0012 J
Vinyl Chloride	0.0020		ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	0.0011 J	0.039	ND (0.00050)	0.0059	ND (0.00050)	ND (0.00050)

NOTES:

The reported concentrations are in mg/L.

0.028 = exceedance of TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Groundwater critical PCLs.

NA = Not Analyzed.

NS = Not Sampled.

ND (0.00050) = Not Detected at the Sample Quantitation Limit (SQL) given in parentheses.

(a) TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Ground Water PCLs, Table 3, table for TRRP Rule dated March 25, 2009.

(b) The sample depths are reported in feet below ground surface.

(c) Not sampled due to permanganate in well.

(d) Monitor well was inaccessible due to debris and was not sampled.

J = Estimated data, the reported sample concentration is approximated due to exceedance of QC requirements.

TABLE 3 (Cont'd)

Summary of Monitor Well Ground Water Data
First Half 2013 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Constituent	Critical PCLs (a)	Location:	MW-76	MW-78	MW-79	MW-82	MW-83	MW-87	MW-88	MW-89	MW-90	MW-91
		Depth: (b)	31	27.5	33.4	31	31.5	33	37	BAILED	BAILED	BAILED
		Date:	5/8/2013	5/8/2013	5/7/2013	5/7/2013	5/8/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013
1,1-Dichloroethane	4.9		0.0045 J	0.0011 J	0.041	0.030	0.018	0.0021 J	0.0016 J	0.0043 J	0.0054	0.0094
1,1-Dichloroethene	0.0070		0.016	0.0015 J	0.079	0.091	0.038	0.034	0.0062	0.020	0.028	0.046
1,2-Dichloroethane	0.0050		ND (0.00050)	ND (0.00050)	0.00088 J	ND (0.00050)	0.00082 J	ND (0.00050)	ND (0.00050)	0.00064 J	0.0007 J	0.00087 J
cis-1,2-Dichloroethene	0.070		0.0012 J	0.0029 J	0.053	0.013	0.021	ND (0.0010)	0.005 J	0.0013 J	0.0020 J	0.0023 J
Tetrachloroethene	0.0050		ND (0.0010)	0.0050	0.41	0.13	0.22	ND (0.0010)	0.13	ND (0.0010)	0.060	0.077
Trichloroethene	0.0050		ND (0.0010)	0.0017 J	0.10	0.019	0.041	ND (0.0010)	0.014	0.0070	0.006	0.009
Vinyl Chloride	0.0020		ND (0.00050)	ND (0.00050)	0.0082	0.0023	0.0038	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)

Constituent	Critical PCLs (a)	Location:	MW-92	MW-93 (c)	MW-94	MW-96R	MW-99	MW-100	MW-101	MW-102	MW-106	MW-107
		Depth: (b)	BAILED		25	35	34	32.5	33	BAILED	BAILED	BAILED
		Date:	5/7/2013		5/8/2013	5/7/2013	5/7/2013	5/6/2013	5/6/2013	5/7/2013	5/7/2013	5/7/2013
1,1-Dichloroethane	4.9		ND (0.00050)	NS	ND (0.00050)	0.0014 J	ND (0.00050)	0.0042 J	0.0058	ND (0.00050)	ND (0.00050)	0.0021 J
1,1-Dichloroethene	0.0070		0.0016 J	NS	ND (0.00060)	0.0060	ND (0.00060)	0.0056	0.020	ND (0.00060)	0.0018 J	0.018
1,2-Dichloroethane	0.0050		ND (0.00050)	NS	ND (0.00050)	ND (0.00050)	0.00060 J	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)
cis-1,2-Dichloroethene	0.070		0.0011 J	NS	ND (0.0010)	ND (0.0010)	ND (0.0010)	0.0037 J	0.0029 J	ND (0.0010)	0.0012 J	ND (0.0010)
Tetrachloroethene	0.0050		0.19	NS	ND (0.0010)	ND (0.0010)	ND (0.0010)	0.0038 J	0.035	0.060	0.23	0.16
Trichloroethene	0.0050		0.0057	NS	ND (0.0010)	ND (0.0010)	ND (0.0010)	0.0021 J	0.0077	ND (0.0010)	0.0040 J	0.0050 J
Vinyl Chloride	0.0020		ND (0.00050)	NS	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)

Constituent	Critical PCLs (a)	Location:	MW-108	MW-109	MW-110	MW-111	MW-112	MW-113	MW-114	MW-115	MW-116	MW-118
		Depth: (b)	27	26	27	26	27	27	34	35	27	29
		Date:	5/7/2013	5/7/2013	5/7/2013	5/7/2013	5/7/2013	5/7/2013	5/3/2013	5/3/2013	5/7/2013	5/8/2013
1,1-Dichloroethane	4.9		NA	NA	NA	NA	NA	NA	0.023	ND (0.00050)	0.0023 J	0.0099
1,1-Dichloroethene	0.0070		0.45	0.037	0.019	ND (0.00060)	0.063	0.0018 J	0.11	0.11	0.013	0.060
1,2-Dichloroethane	0.0050		NA	NA	NA	NA	NA	NA	0.0019 J	0.0041 J	ND (0.00050)	0.00058 J
cis-1,2-Dichloroethene	0.070		0.0055	0.19	0.030	ND (0.0010)	0.055	ND (0.0010)	0.021	ND (0.0010)	0.0020 J	0.0035 J
Tetrachloroethene	0.0050		0.0064	0.010	0.0031 J	ND (0.0010)	ND (0.0010)	ND (0.0010)	0.045	ND (0.0010)	0.0016 J	0.0081
Trichloroethene	0.0050		0.0097	0.017	0.0085	ND (0.0010)	0.0016 J	ND (0.0010)	0.025	0.0029 J	0.0031 J	0.0045 J
Vinyl Chloride	0.0020		0.010	0.014	0.0041	ND (0.00050)	ND (0.00050)	ND (0.00050)	0.0026	ND (0.00050)	ND (0.00050)	ND (0.00050)

NOTES:

The reported concentrations are in mg/L.

0.028 = exceedance of TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Groundwater critical PCLs.

NA = Not Analyzed.

NS = Not Sampled.

ND (0.00050) = Not Detected at the Sample Quantitation Limit (SQL) given in parentheses.

(a) TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Ground Water PCLs, Table 3, table for TRRP Rule dated March 25, 2009.

(b) The sample depths are reported in feet below ground surface.

(c) Not sampled due to permanganate in well.

(d) Monitor well was inaccessible due to debris and was not sampled.

J = Estimated data, the reported sample concentration is approximated due to exceedance of QC requirements.

TABLE 3 (Cont'd)

Summary of Monitor Well Ground Water Data
First Half 2013 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Constituent	Critical PCLs (a)	Location:	MW-119	MW-120	MW-121	MW-124	MW-126	MW-127	MW-128	MW-129	MW-130	MW-132
		Depth: (b)	29	28	30	29	26	32	BAILED	BAILED	27	27.9
		Date:	5/8/2013	5/7/2013	5/6/2013	5/8/2013	5/6/2013	5/3/2013	5/3/2013	5/3/2013	5/6/2013	5/6/2013
1,1-Dichloroethane	4.9		ND (0.00050)	0.00063 J	ND (0.00050)	0.012	ND (0.00050)	ND (0.00050)	ND (0.00050)	0.010	ND (0.00050)	ND (0.00050)
1,1-Dichloroethene	0.0070		0.00062 J	0.00093 J	0.0025 J	0.052	ND (0.00060)	ND (0.00060)	0.0017 J	0.011	ND (0.00060)	ND (0.00060)
1,2-Dichloroethane	0.0050		ND (0.00050)	ND (0.00050)	ND (0.00050)	0.0041 J	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)
cis-1,2-Dichloroethene	0.070		ND (0.0010)	ND (0.0010)	ND (0.0010)	0.023	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)
Tetrachloroethene	0.0050		ND (0.0010)	0.0065	ND (0.0010)	0.11	ND (0.0010)	ND (0.0010)	ND (0.0010)	0.0023 J	ND (0.0010)	ND (0.0010)
Trichloroethene	0.0050		ND (0.0010)	ND (0.0010)	ND (0.0010)	0.026	ND (0.0010)	ND (0.0010)	0.0033 J	ND (0.0010)	ND (0.0010)	ND (0.0010)
Vinyl Chloride	0.0020		ND (0.00050)	ND (0.00050)	ND (0.00050)	0.0012 J	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)

Constituent	Critical PCLs (a)	Location:	MW-133	MW-135	MW-140	MW-141	MW-142	MW-143	MW-144	MW-147	MW-149	
		Depth: (b)	27	27	26	30	33.5	26	27	31	27	
		Date:	5/6/2013	5/8/2013	5/7/2013	5/7/2013	5/7/2013	5/7/2013	5/7/2013	5/8/2013	6/20/2013	5/8/2013
1,1-Dichloroethane	4.9		0.0011 J	ND (0.00050)	0.00084 J	0.019	0.0044 J	0.00070 J	0.015	0.00084 J	ND (0.00050)	ND (0.00050)
1,1-Dichloroethene	0.0070		0.0066	ND (0.00060)	0.0018 J	0.037	0.012	0.0028 J	ND (0.00060)	0.032	0.036	ND (0.00060)
1,2-Dichloroethane	0.0050		ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)
cis-1,2-Dichloroethene	0.070		ND (0.0010)	ND (0.0010)	0.0044 J	0.055	0.0038 J	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)
Tetrachloroethene	0.0050		ND (0.0010)	ND (0.0010)	0.0076	0.27	0.029	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	0.002 J
Trichloroethene	0.0050		ND (0.0010)	ND (0.0010)	0.0024 J	0.065	0.0064	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	0.0012 J
Vinyl Chloride	0.0020		ND (0.00050)	ND (0.00050)	0.00064 J	0.0080	0.00090 J	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)

Constituent	Critical PCLs (a)	Location:	MW-160	MW-161	MW-162	MW-163	MW-166	MW-167	MW-170	MW-171	MW-172	MW-173
		Depth: (b)	29	30	32.5	26	BAILED	BAILED	25	25	25	BAILED
		Date:	5/7/2013	5/6/2013	5/8/2013	5/6/2013	5/8/2013	5/7/2013	5/7/2013	5/7/2013	5/6/2013	5/6/2013
1,1-Dichloroethane	4.9		ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	0.047	0.035	0.0013 J	ND (0.00050)	ND (0.00050)
1,1-Dichloroethene	0.0070		ND (0.00060)	0.0014 J	ND (0.00060)	ND (0.00060)	0.0015 J	0.25	0.16	0.0012 J	ND (0.00060)	ND (0.00060)
1,2-Dichloroethane	0.0050		ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	0.0012 J	0.0014 J	ND (0.00050)	ND (0.00050)	ND (0.00050)
cis-1,2-Dichloroethene	0.070		ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	0.0011 J	0.016	ND (0.0010)	ND (0.0010)	ND (0.0010)
Tetrachloroethene	0.0050		ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	0.014	ND (0.0010)	ND (0.0010)	ND (0.0010)
Trichloroethene	0.0050		ND (0.0010)	0.0035 J	ND (0.0010)	ND (0.0010)	ND (0.0010)	ND (0.0010)	0.025	ND (0.0010)	ND (0.0010)	ND (0.0010)
Vinyl Chloride	0.0020		ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	ND (0.00050)	0.0034	0.0012 J	ND (0.00050)	ND (0.00050)	ND (0.00050)

NOTES:

The reported concentrations are in mg/L.

0.028 = exceedance of TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Groundwater critical PCLs.

NA = Not Analyzed.

NS = Not Sampled.

ND (0.00050) = Not Detected at the Sample Quantitation Limit (SQL) given in parentheses.

(a) TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Ground Water PCLs, Table 3, table for TRRP Rule dated March 25, 2009.

(b) The sample depths are reported in feet below ground surface.

(c) Not sampled due to permanganate in well.

(d) Monitor well was inaccessible due to debris and was not sampled.

J = Estimated data, the reported sample concentration is approximated due to exceedance of QC requirements.

TABLE 3 (Cont'd)

Summary of Monitor Well Ground Water Data
First Half 2013 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Constituent	Critical PCLs (a)	Location:	MW-175	MW-176	MW-177
		Depth: (b)	BAILED	BAILED	BAILED
		Date:	5/7/2013	5/8/2013	5/8/2013
1,1-Dichloroethane	4.9		ND (0.00050)	ND (0.00050)	ND (0.00050)
1,1-Dichloroethene	0.0070		0.0023 J	ND (0.00060)	ND (0.00060)
1,2-Dichloroethane	0.0050		ND (0.00050)	ND (0.00050)	ND (0.00050)
cis-1,2-Dichloroethene	0.070		ND (0.0010)	ND (0.0010)	ND (0.0010)
Tetrachloroethene	0.0050		0.041	0.0086	ND (0.0010)
Trichloroethene	0.0050		0.0016 J	ND (0.0010)	ND (0.0010)
Vinyl Chloride	0.0020		ND (0.00050)	ND (0.00050)	ND (0.00050)

NOTES:

The reported concentrations are in mg/L.

0.028 = exceedance of TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Groundwater critical PCLs.

NA = Not Analyzed.

NS = Not Sampled.

ND (0.00050) = Not Detected at the Sample Quantitation Limit (SQL) given in parentheses.

(a) TCEQ Texas Risk Reduction Program (TRRP) Tier 1 Residential Class 2 Ground Water PCLs, Table 3, table for TRRP Rule dated March 25, 2009.

(b) The sample depths are reported in feet below ground surface.

(c) Not sampled due to permanganate in well.

(d) Monitor well was inaccessible due to debris and was not sampled.

J = Estimated data, the reported sample concentration is approximated due to exceedance of QC requirements.

TABLE 4

Summary of Surface Water Data
First Half 2013 Monitoring Data Transmittal

Former Cameron Iron Works Facility
Houston, Texas

Constituent	Critical	80% Critical	Location:	SWD-12	SWD-14	SWD-15
	PCLs (a)	PCL (a)		Date:	5/13/2013	5/13/2013
1,1-Dichloroethane	5.13	4.10		ND (0.00050)	0.00085 J	0.0014 J
1,1-Dichloroethene	0.06	0.05		0.0011 J	0.0024 J	0.031
1,2-Dichloroethane	0.554	0.443		ND (0.00050)	ND (0.00050)	ND (0.00050)
cis-1,2-Dichloroethene	9.36	7.49		ND (0.0010)	ND (0.0010)	0.0012 J
Tetrachloroethene	0.790	0.632		ND (0.0010)	ND (0.0010)	ND (0.0010)
Trichloroethene	1.110	0.888		0.0011 J	0.0019 J	0.0041 J
Vinyl Chloride	0.0336	0.0269		ND (0.00050)	ND (0.00050)	0.00054 J

Constituent	Critical	80% Critical	Location:	SWD-17	SWD-18	SWD-20
	PCLs (a)	PCL (a)		Date:	5/13/2013	5/13/2013
1,1-Dichloroethane	5.13	4.10		0.00051 J	ND (0.00050)	ND (0.00050)
1,1-Dichloroethene	0.06	0.05		0.016	0.0024 J	ND (0.00060)
1,2-Dichloroethane	0.554	0.443		ND (0.00050)	ND (0.00050)	ND (0.00050)
cis-1,2-Dichloroethene	9.36	7.49		ND (0.0010)	ND (0.0010)	ND (0.0010)
Tetrachloroethene	0.790	0.632		0.0015 J	0.0036 J	ND (0.0010)
Trichloroethene	1.110	0.888		0.0016 J	ND (0.0010)	ND (0.0010)
Vinyl Chloride	0.0336	0.0269		ND (0.00050)	ND (0.00050)	ND (0.00050)

NOTES:

The reported concentrations are in mg/L.

ND (0.00050) = Not Detected at the Reporting Limit given in parentheses.

J = Estimated data, the reported sample concentration is approximated due to exceedance of QC requirements.

U = Not detected, the SQL is estimated

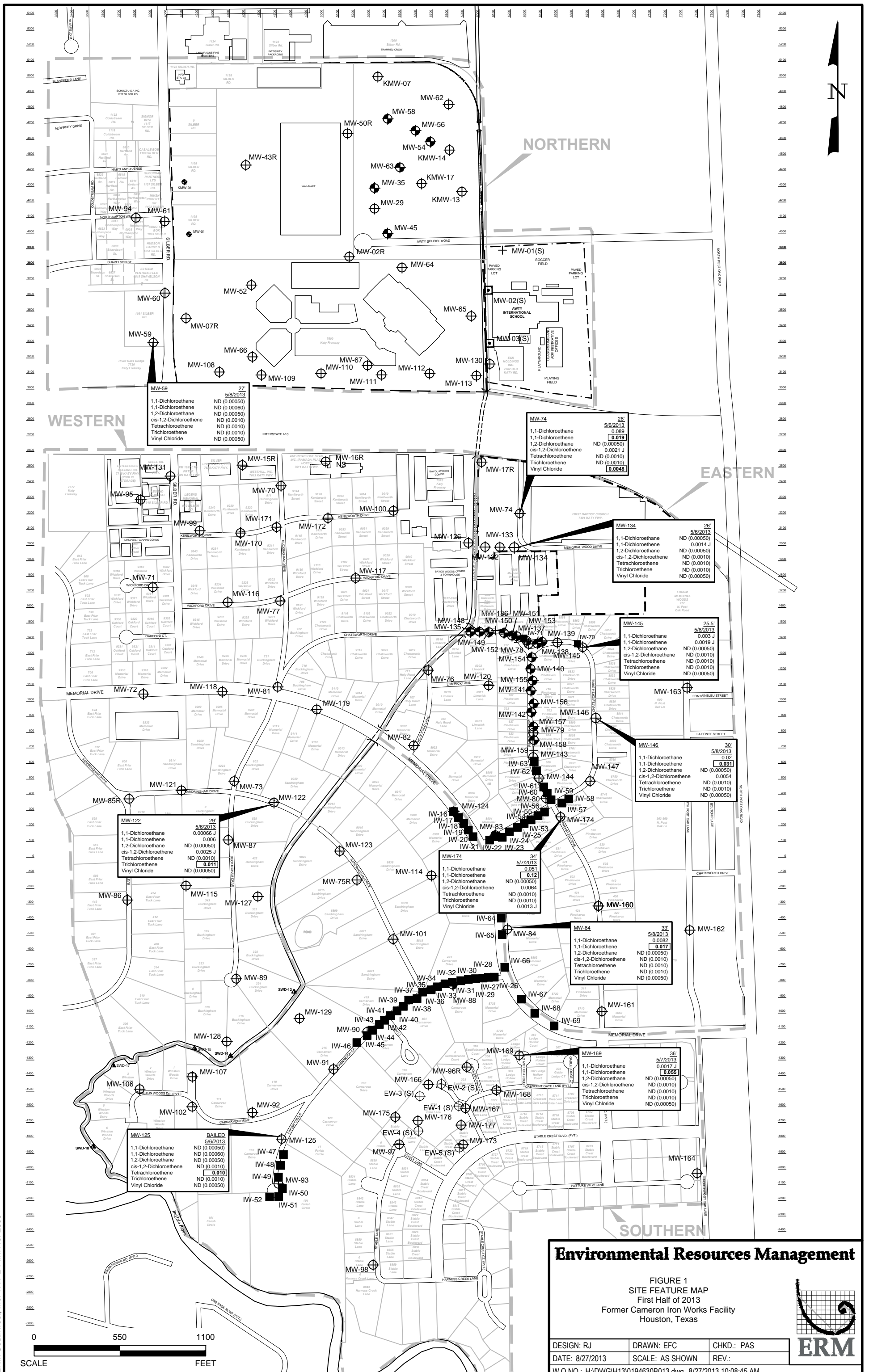
(a) Taken from the critical PCLs calculated in the *Human Health Ecological Risk Assessment for Surface Water and Sediment*, dated June 2003.

SWD = Surface Water Harris County Flood Control Ditch.

Figures
Attachment 2

October 2, 2013
Project No. 0194630

Environmental Resources Management
CityCentre Four
840 West Sam Houston Parkway North, Suite 600
Houston, Texas 77024-3920
(281) 600-1000



MW-59 27
5/8/2013
1,1-Dichloroethane ND (0.00050)
1,1-Dichloroethane ND (0.00050)
1,2-Dichloroethane ND (0.00050)
cis-1,2-Dichloroethane ND (0.0010)
Tetrachloroethene ND (0.0010)
Trichloroethene ND (0.0010)
Vinyl Chloride ND (0.00050)

MW-74 28
5/6/2013
1,1-Dichloroethane 0.085
1,1-Dichloroethane 0.019
1,2-Dichloroethane ND (0.00050)
cis-1,2-Dichloroethane 0.0021 J
Tetrachloroethene ND (0.0010)
Trichloroethene ND (0.0010)
Vinyl Chloride 0.0048

MW-134 26
5/6/2013
1,1-Dichloroethane ND (0.00050)
1,1-Dichloroethane 0.0014 J
1,2-Dichloroethane ND (0.00050)
cis-1,2-Dichloroethane ND (0.0010)
Tetrachloroethene ND (0.0010)
Trichloroethene ND (0.0010)
Vinyl Chloride ND (0.00050)

MW-145 25.5
5/8/2013
1,1-Dichloroethane 0.003 J
1,1-Dichloroethane 0.0019 J
1,2-Dichloroethane ND (0.00050)
cis-1,2-Dichloroethane ND (0.0010)
Tetrachloroethene ND (0.0010)
Trichloroethene ND (0.0010)
Vinyl Chloride ND (0.00050)

MW-146 30
5/8/2013
1,1-Dichloroethane 0.02
1,1-Dichloroethane 0.031
1,2-Dichloroethane ND (0.00050)
cis-1,2-Dichloroethane 0.0054
Tetrachloroethene ND (0.0010)
Trichloroethene ND (0.0010)
Vinyl Chloride ND (0.00050)

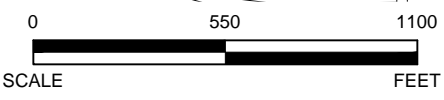
MW-122 29
5/6/2013
1,1-Dichloroethane 0.00066 J
1,1-Dichloroethane 0.006
1,2-Dichloroethane 0.0025 J
cis-1,2-Dichloroethane ND (0.0010)
Tetrachloroethene ND (0.0010)
Trichloroethene ND (0.0010)
Vinyl Chloride ND (0.00050)

MW-174 34
5/7/2013
1,1-Dichloroethane 0.12
1,1-Dichloroethane ND (0.00050)
1,2-Dichloroethane ND (0.00050)
cis-1,2-Dichloroethane ND (0.0010)
Tetrachloroethene ND (0.0010)
Trichloroethene ND (0.0010)
Vinyl Chloride 0.0013 J

MW-84 33
5/6/2013
1,1-Dichloroethane 0.082
1,1-Dichloroethane 0.017
1,2-Dichloroethane ND (0.00050)
cis-1,2-Dichloroethane ND (0.0010)
Tetrachloroethene ND (0.0010)
Trichloroethene ND (0.0010)
Vinyl Chloride ND (0.00050)

MW-169 36
5/7/2013
1,1-Dichloroethane 0.0017 J
1,1-Dichloroethane 0.055
1,2-Dichloroethane ND (0.00050)
cis-1,2-Dichloroethane ND (0.0010)
Tetrachloroethene ND (0.0010)
Trichloroethene ND (0.0010)
Vinyl Chloride ND (0.00050)

MW-125 BAILED
5/6/2013
1,1-Dichloroethane ND (0.00050)
1,1-Dichloroethane ND (0.00060)
1,2-Dichloroethane ND (0.00050)
cis-1,2-Dichloroethane ND (0.0010)
Tetrachloroethene ND (0.0010)
Trichloroethene ND (0.0010)
Vinyl Chloride ND (0.00050)

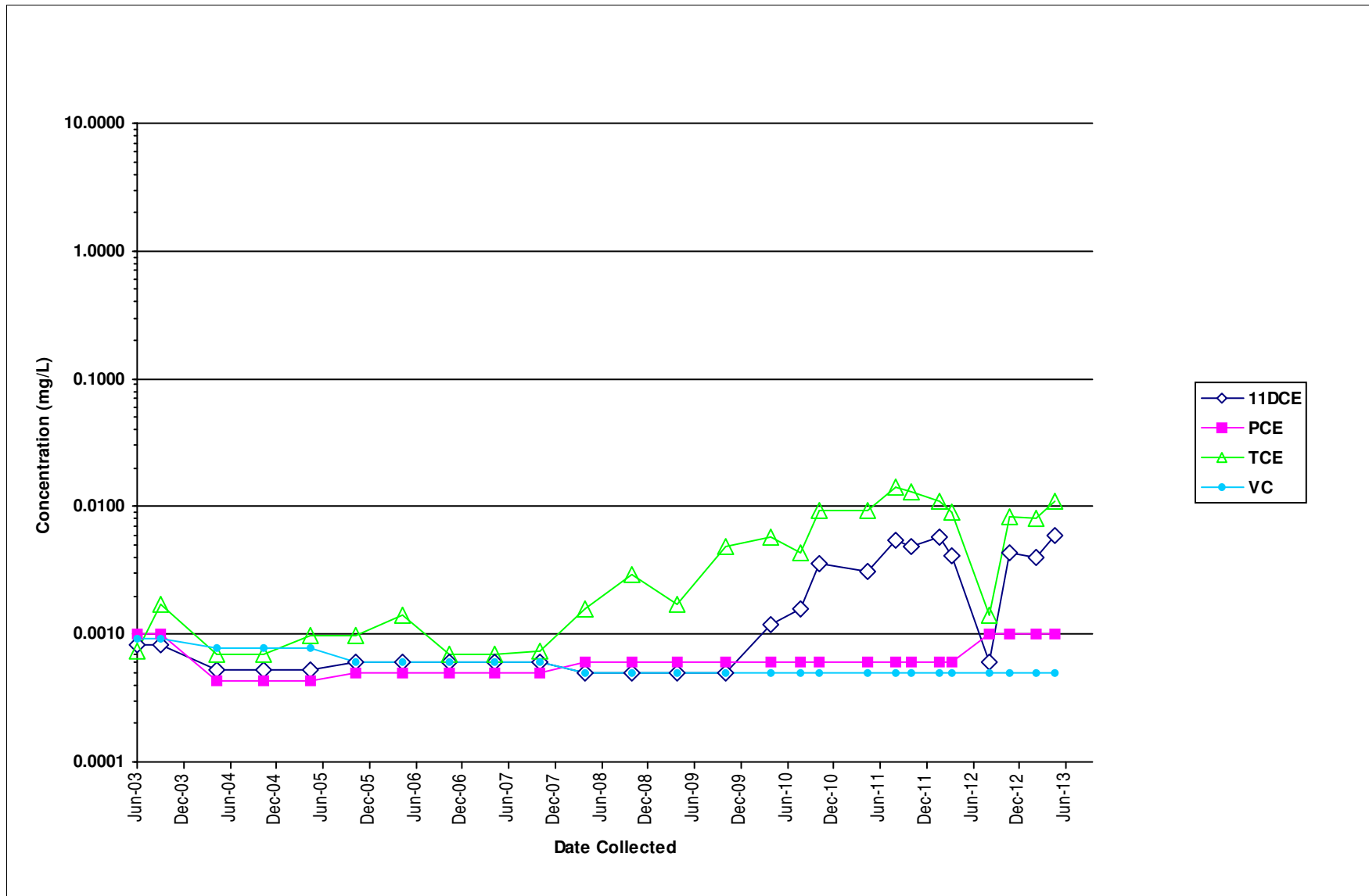


Ground Water Progress Graph

Former Cameron Iron Works Facility
Houston, Texas

Plume Area: Western

Client Sample ID: MW-122

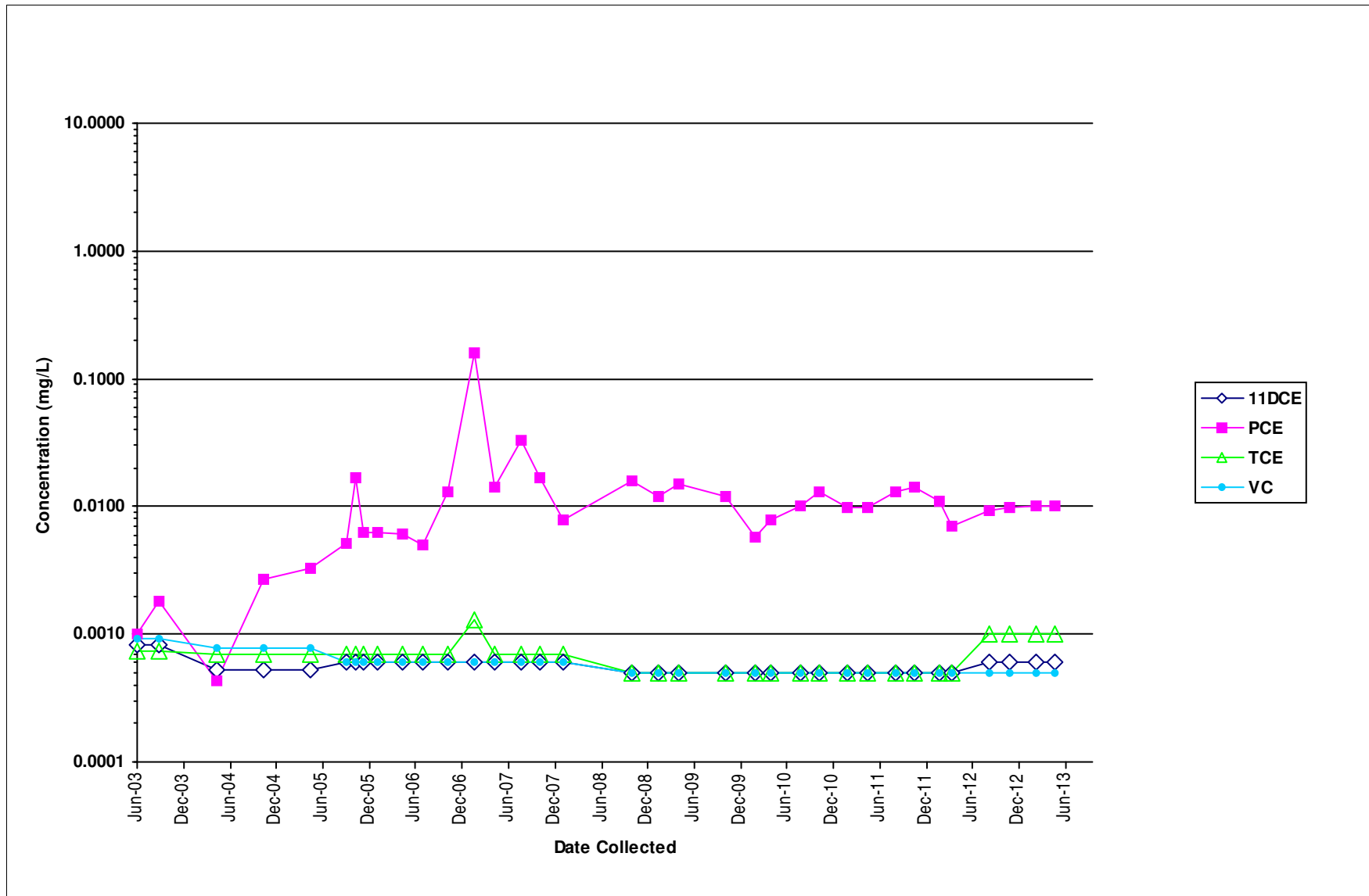


Ground Water Progress Graph

Former Cameron Iron Works Facility
Houston, Texas

Plume Area: Southern

Client Sample ID: MW-125

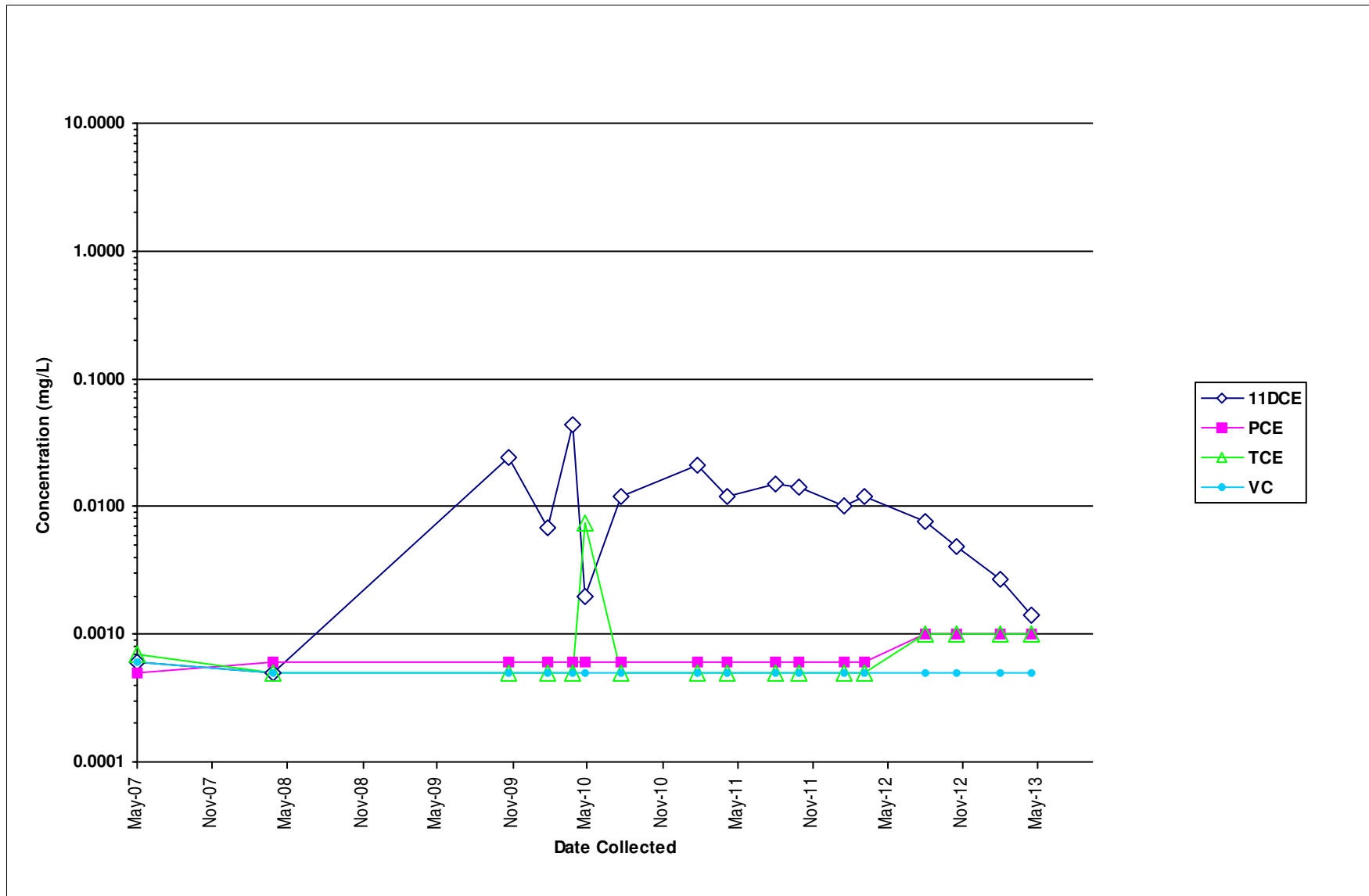


Ground Water Progress Graph

Former Cameron Iron Works Facility
Houston, Texas

Plume Area: Eastern

Client Sample ID: MW-134

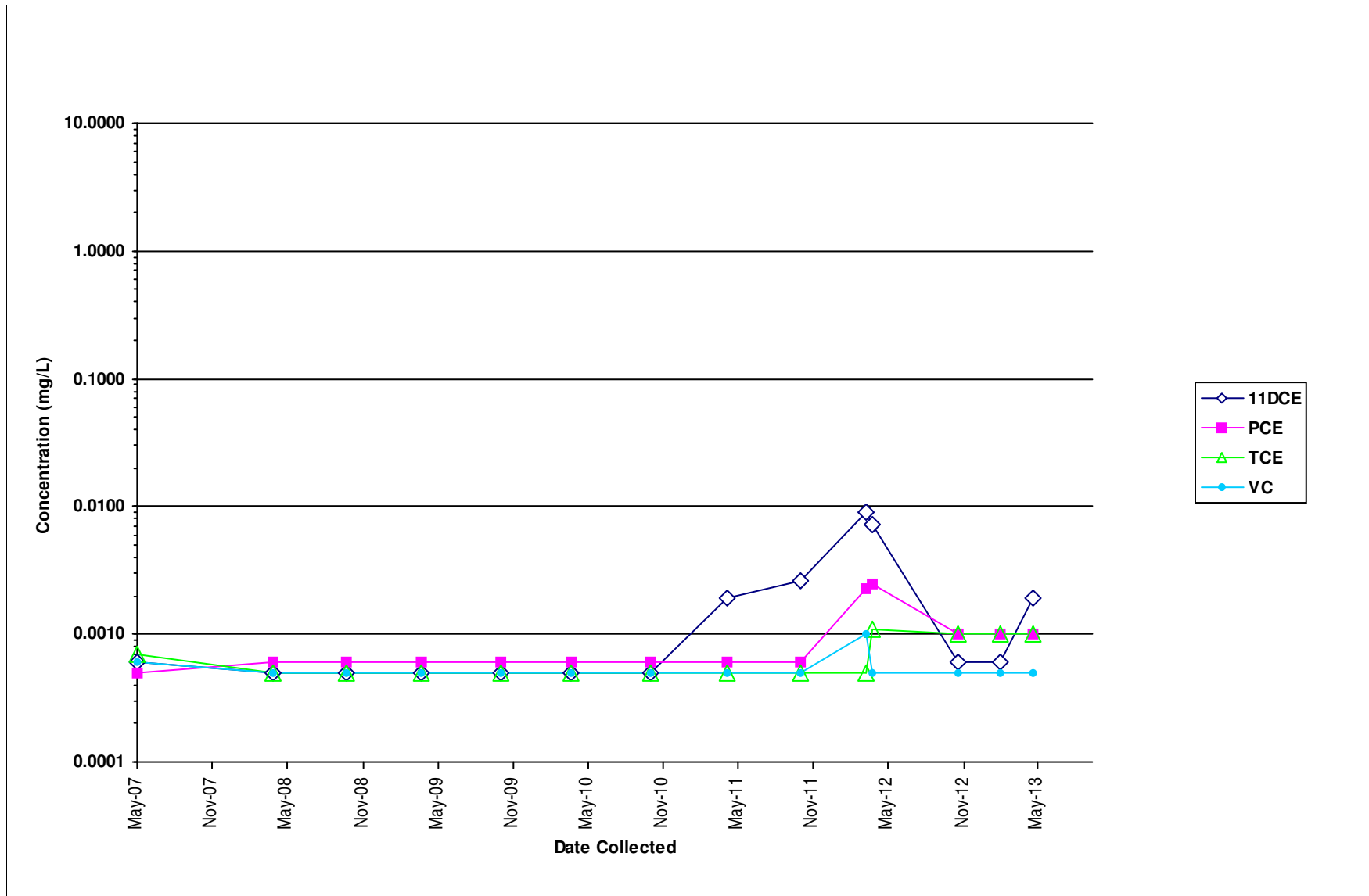


Ground Water Progress Graph

Former Cameron Iron Works Facility
Houston, Texas

Plume Area: Eastern

Client Sample ID: MW-145

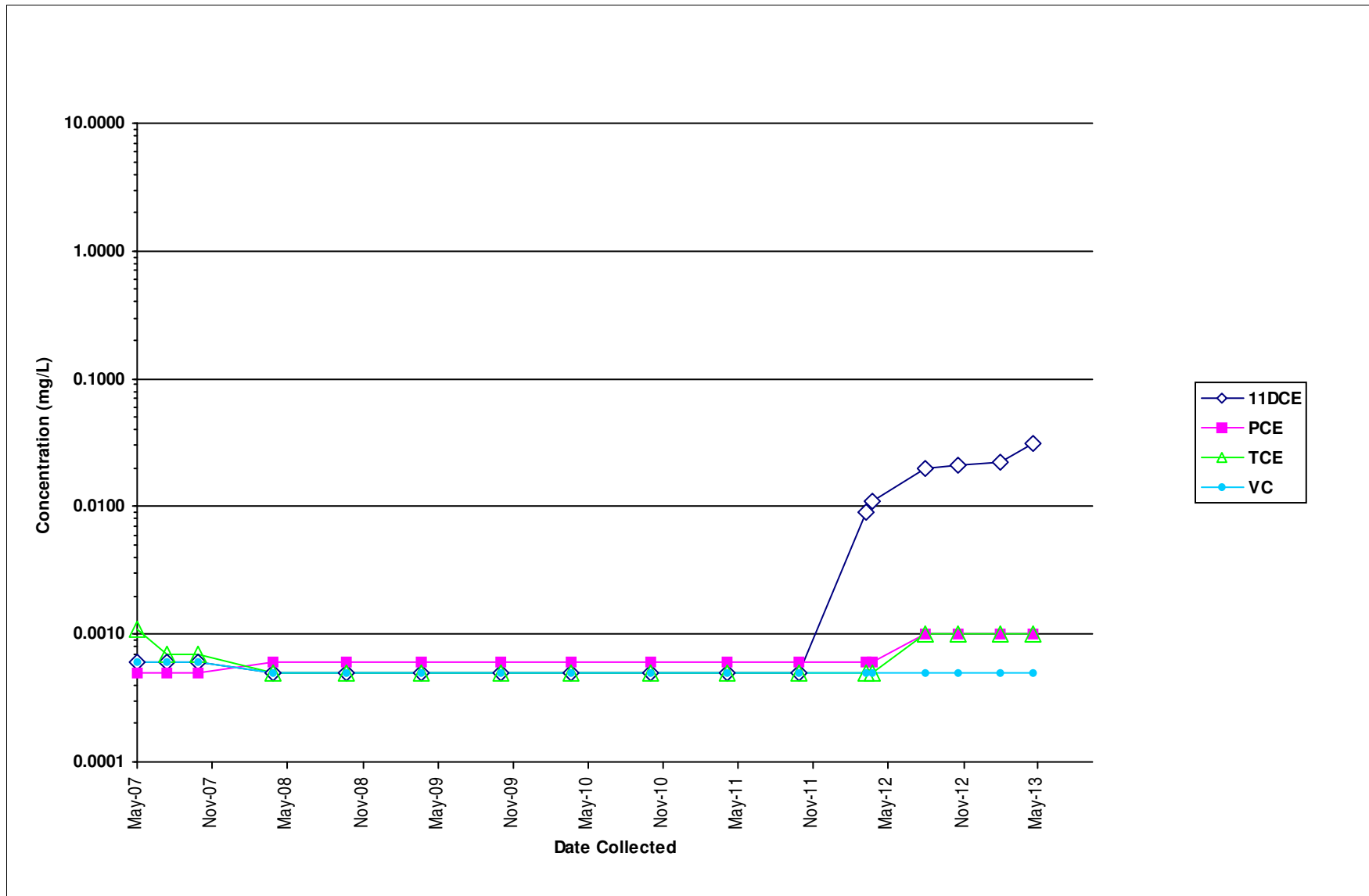


Ground Water Progress Graph

Former Cameron Iron Works Facility
Houston, Texas

Plume Area: Eastern

Client Sample ID: MW-146

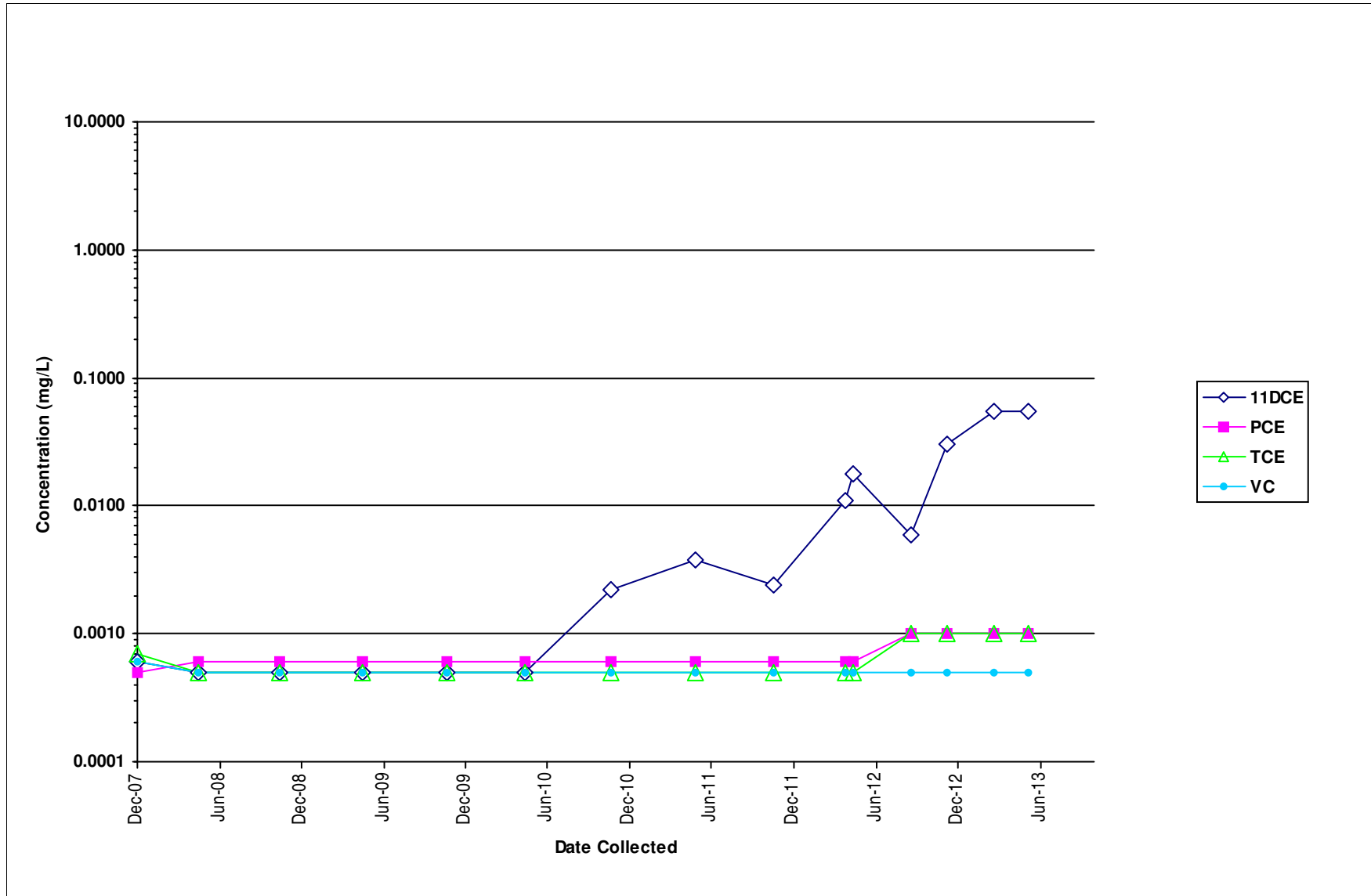


Ground Water Progress Graph

Former Cameron Iron Works Facility
Houston, Texas

Plume Area: Southern

Client Sample ID: MW-169

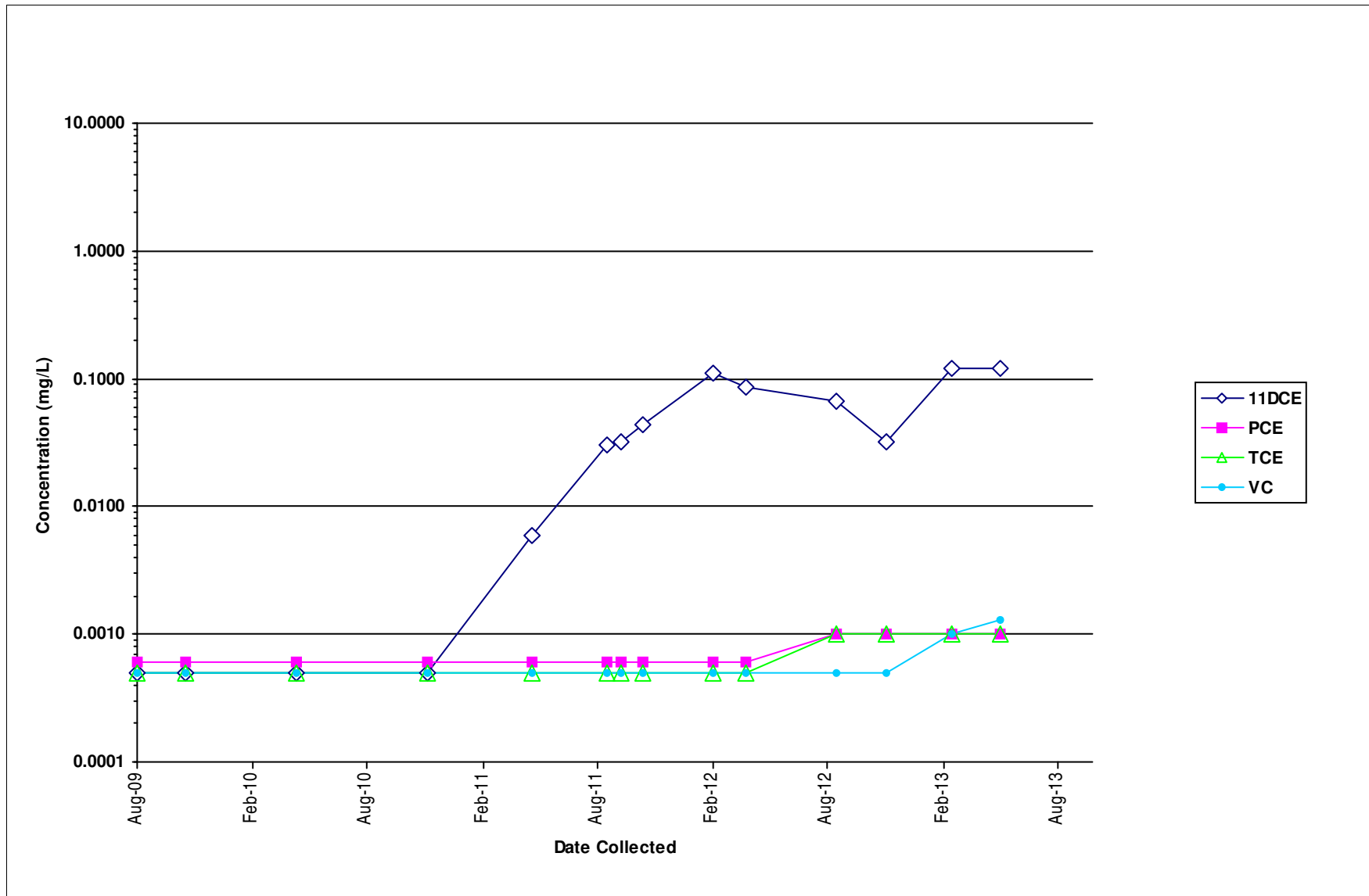


Ground Water Progress Graph

Former Cameron Iron Works Facility
Houston, Texas

Plume Area: Eastern

Client Sample ID: MW-174

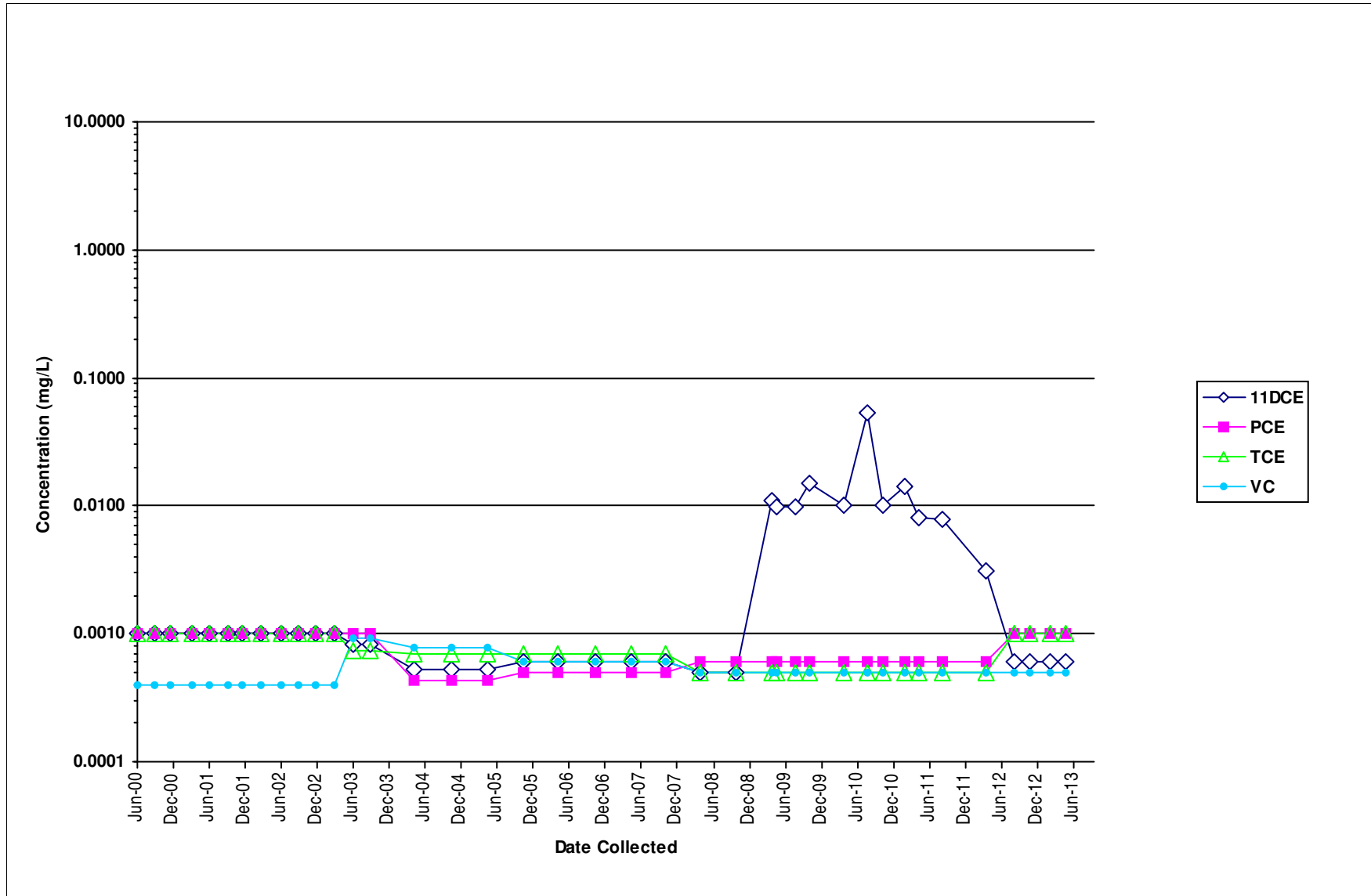


Ground Water Progress Graph

Former Cameron Iron Works Facility
Houston, Texas

Plume Area: Northern

Client Sample ID: MW-59

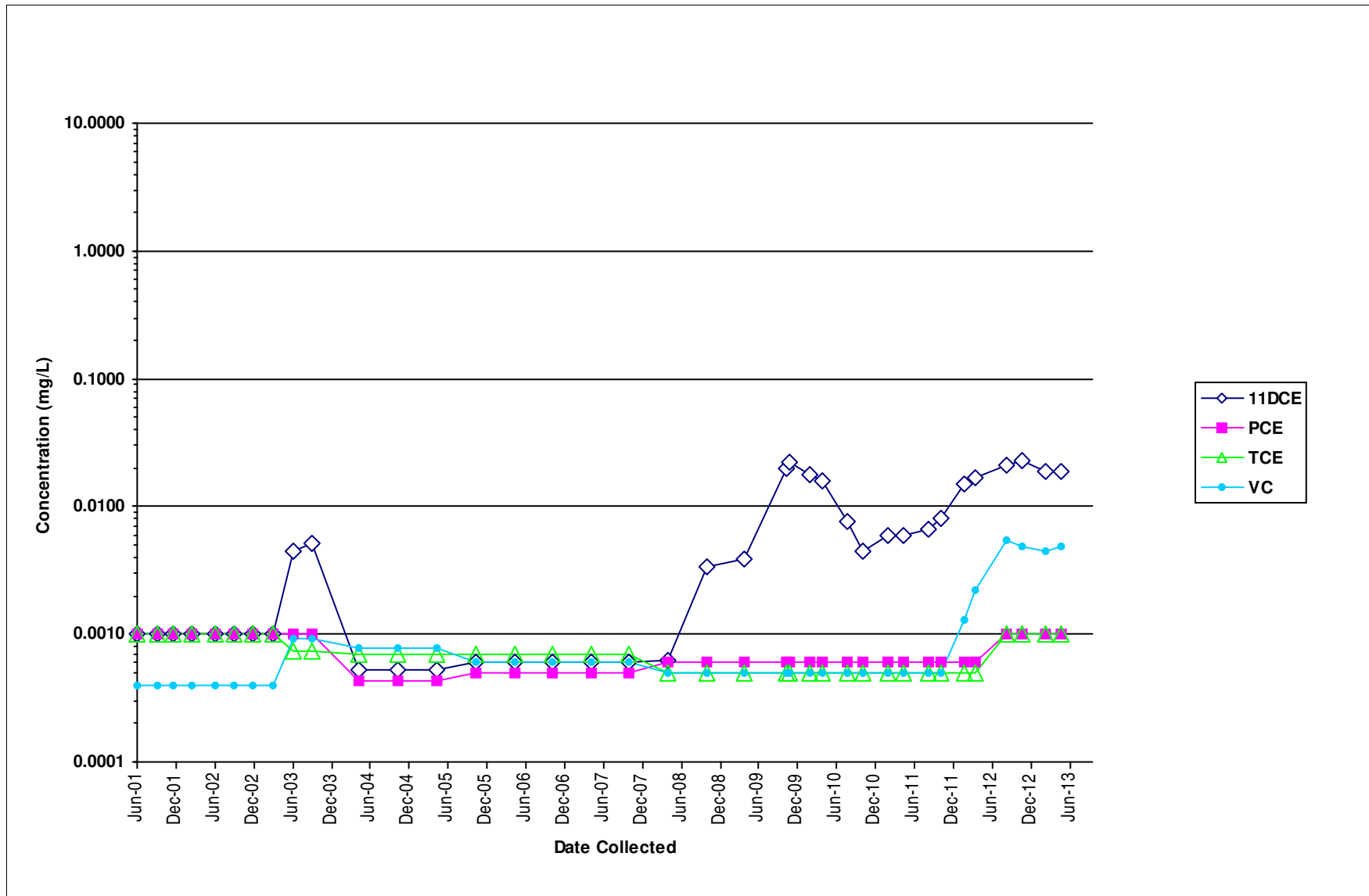


Ground Water Progress Graph

Former Cameron Iron Works Facility
Houston, Texas

Plume Area: Eastern

Client Sample ID: MW-74



Ground Water Progress Graph

Former Cameron Iron Works Facility
Houston, Texas

Plume Area: Eastern

Client Sample ID: MW-84

