



TechLaw
Quality & Integrity

Progress Report
to the
Community Monitor Committee
November 21, 2005

Outline

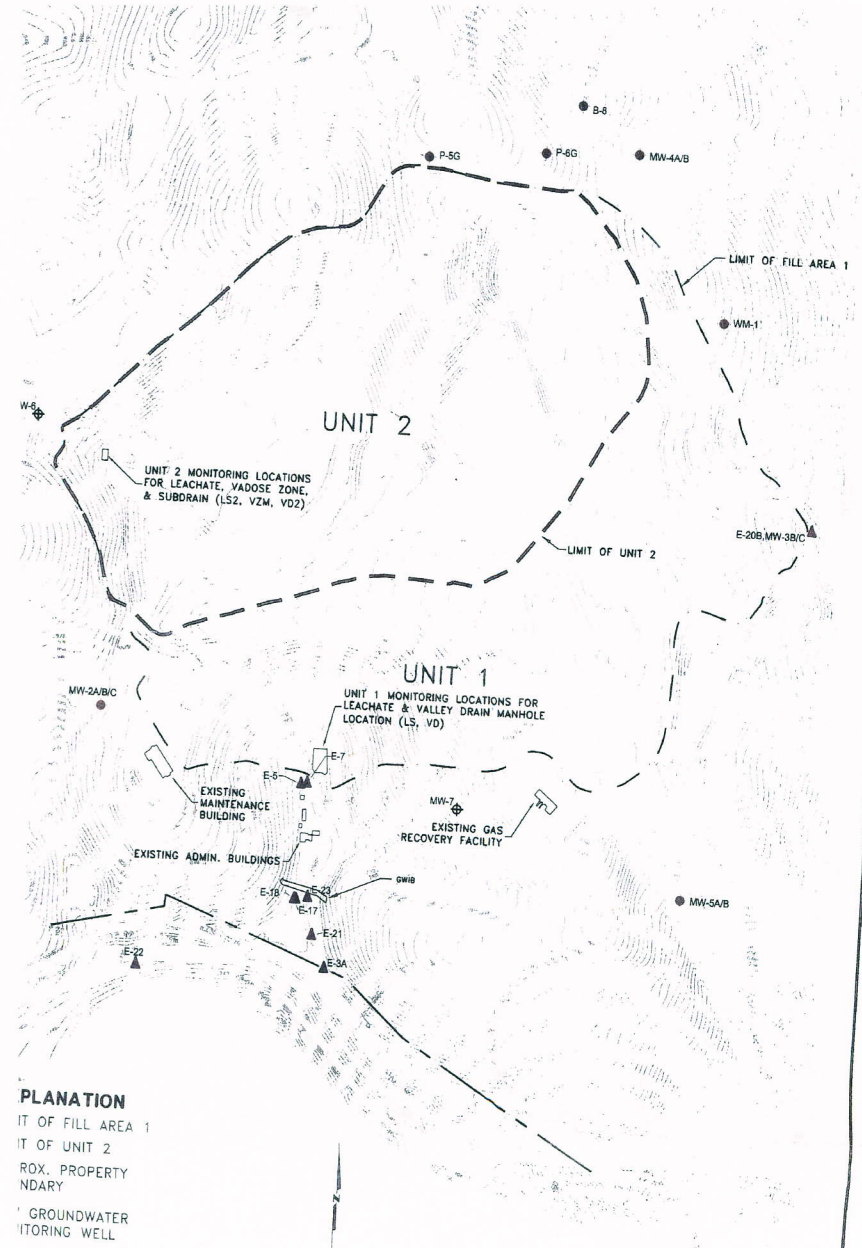
- **Documents Reviewed**
- **Landfill Inspection 9/27/05**
- **Landfill Inspection 10/14/05**
- **Alternate Daily Cover**
- **Groundwater Interceptor Barrier**

Documents Reviewed

- **Results of BAAQMD Source Test**
- **Monthly Tonnage Reports**
- **First Semiannual 2005 Groundwater Monitoring Report**
- **Waste Acceptance Limitations**

First Semiannual 2005 Groundwater Monitoring Report

- Leachate Seeps
- Groundwater Monitoring
- Leachate and GWIB Monitoring
- Results



Waste Acceptance Limitations

- **Sludge, Inert Waste and Special Waste Outside Alameda and San Francisco**
- **Sludge, Inert Waste and Special Waste Outside 9 Bay Area Counties**
- **Self-haul from Contra Costa**

Sludges, Inert Waste and Special Waste Limits – Outside Nine Bay Area Counties

Year	Tonnage Disposed	Agreement Tonnage Limitation	Banked Tonnage Carry-over unused/ (overlimit)	Banked Y-O-Y Tonnage Running Total	Adjusted Tonnage Limitation	Tonnage variance Under limit/ (over limit)
1999	8,586.09	12,000	3,413.91	-	12,000	3,413.91
2000	2,263.28	12,000	9,736.72	3,413.91	12,000	9,736.72
2001	2,252.85	7,500	5,247.15	13,150.63	12,000	9,747.15
2002	5,225.96	7,500	2,274.04	18,397.78	12,000	6,774.04
2003	11,079.41	7,500	(3,579.41)	20,671.82	12,000	920.59
2004	7,659.98	7,500	(159.98)	17,092.41	12,000	4,340.02
2005	2,493.55	7,500	5006.45	16,932.43	12,000	9,506.45

Landfill Inspection 9/27

- **Reviewed Documentation Maintained at Landfill**
- **Environmental Controls**
- **Truck Traffic**
- **Tour with Ken Lewis - ADC Types and Uses**











Landfill Inspection 10/14

- **Reviewed Documentation Maintained at Landfill**
- **Environmental Controls**
- **Truck Traffic**
- **Tour with Karen Moroz - Use of ADC**





Alternate Daily Cover

- **Materials Approved at ALRRF**
- **Requirements for Applying**
- **Types Being Used at ALRRF**
- **Measure D**

Groundwater Interceptor Barrier Abandonment

- **GWIB Monitoring Results, 2005**
- **Downgradient Wells Monitoring Results**
- **Comparison of Monitoring Results with MCLs**
- **Historic Trends for Selected Contaminants**

E-07		
ANALYTE	RESULT	MCL
Carbon disulfide	1.2J	--
Chlorobenzene	0.25J	--
1,1-Dichloroethane	5.0	5.0
cis-1,2-Dichloroethene	3.8J	6.0
Dichlorodifluoromethane	6.2J	--
Dichlorofluoromethane	8.8J	--
Diethyl ether (Ethyl ether)	4.0J	--
Methylene chloride	0.44J,B	--
Tetrahydrofuran	1.9J	--
Tetrachloroethene	0.40J	5.0
Trichloroethene	1.0J	5.0
Vinyl chloride	0.4J	0.5

E-05		
ANALYTE	RESULT	MCL
Chlorobenzene	0.19J	--
1,1-Dichloroethane	0.40J	5.0
Diethyl ether (Ethyl ether)	0.46J	--
Methylene chloride	0.39J,B	--

LS		
ANALYTE	RESULT	MCL
Acetone	2.7J	--
Benzene	3.0J	1.0
Chlorobenzene	3.5J	--
1,2-Dichlorobenzene	0.91J	600
1,3-Dichlorobenzene	0.96J	--
1,4-Dichlorobenzene	13.0J	5.0
1,1-Dichloroethane	1.0J	5.0
cis-1,2-Dichloroethene	2.8J	6.0
Dichlorofluoromethane	0.36J	--
trans-1,2-Dichloroethene	0.29J	10.0
Dichloropropane	0.25J	--
Ethylbenzene	1.2J	300
Diethyl ether (Ethyl ether)	3.6J	--
Naphthalene	1.1J	--
Tetrahydrofuran	18	--
Toluene	0.54J	150
1,2,4-Trichlorobenzene	0.22J	5.0
Trichloroethene	0.17J	5.0
Vinyl chloride	1.1J	0.5
Xylenes (total)	4.7J	1750

GWIB		
ANALYTE	RESULT	MCL
1,1-Dichloroethane	0.79J	5.0

WELL ID	Analyte	Result	MCL
E-17	Methylene chloride	0.63J,B	--
E-18	Methylene chloride	0.65J,B	--

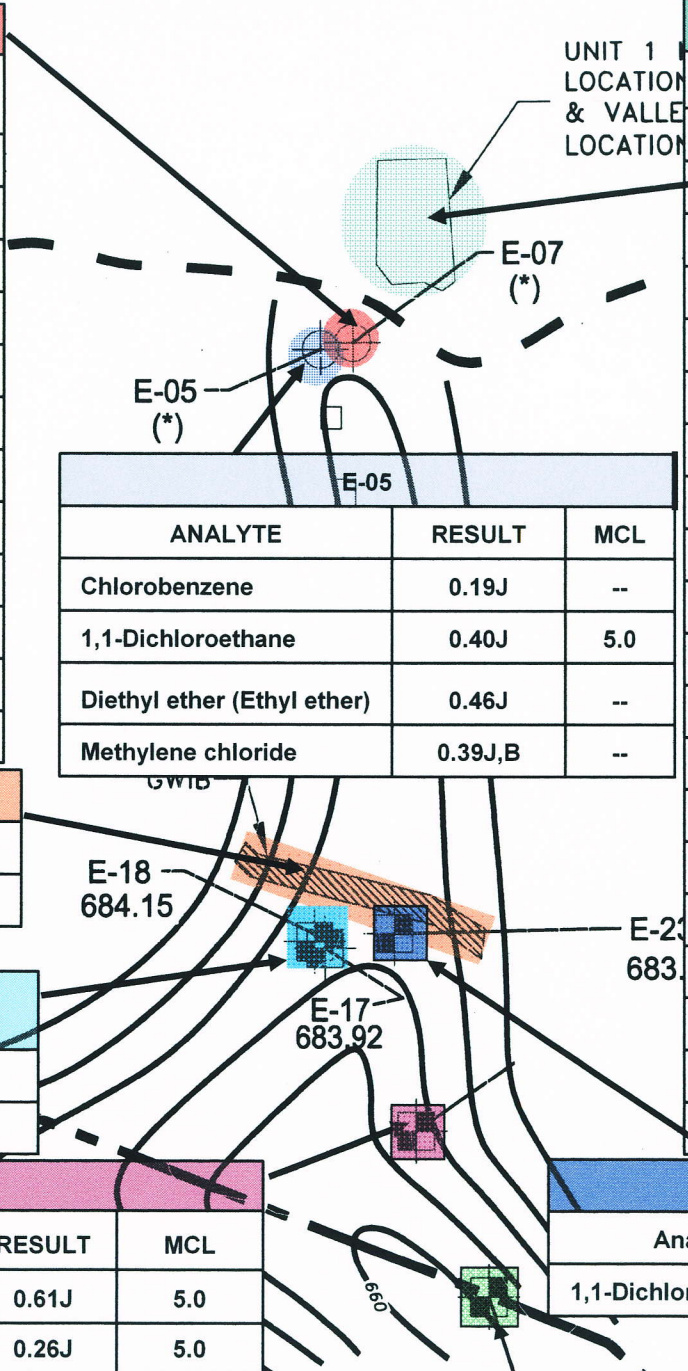
E-2		
ANALYTE	RESULT	MCL
1,1-Dichloroethane	0.61J	5.0
Tetrachloroethene	0.26J	5.0

E-23		
Analyte	Result	MCL
1,1-Dichloroethane	0.25J	5.0

WELL ID	Analyte	Result	MCL
E-22	Methylene chloride	13.53	--

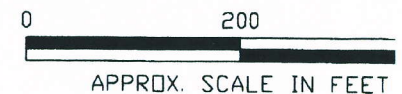
E-22		
Analyte	Result	MCL
Methylene chloride	0.57J,B	--

E-03A		
Analyte	Result	MCL
1,1-Dichloroethane	0.29J	5.0



1ST QUARTER 2005

(SCS ENGINEERS, 2005)



E-07 RESULTS FROM FEBRUARY 2005		
ANALYTE	RESULT	MCL
Chlorobenzene	0.42J	--
1,4-Dichlorobenzene	0.3J	5.0
1,1-Dichloroethane	2.3J	5.0
cis-1,2-Dichloroethene	1.3J	6.0
Dichlorodifluoromethane	3.7J	--
Dichlorofluoromethane	3.9J	--
Diethyl ether (Ethyl ether)	2.1J	--
Tetrachloroethene	0.78J	5.0
Trichloroethene	0.67J	5.0

E-05 RESULTS FROM FEBRUARY 2005		
ANALYTE	RESULT	MCL
Chlorobenzene	0.19J	--
1,1-Dichloroethane	0.40J	5.0
Diethyl ether (Ethyl ether)	0.46J	--
Methylene chloride	0.39J,B	--

GWIB RESULTS FROM FEBRUARY 2005		
ANALYTE	RESULT	MCL
Carbon Tetrachloride	0.36J	0.5
1,1-Dichloroethane	0.49J	5.0

UNIT 1 MONITORING
LOCATIONS FOR LEACHATE
& VALLEY DRAIN MANHOLE
LOCATION (LS, VD)

LS RESULTS FROM FEBRUARY 2005		
ANALYTE	RESULT	MCL
Benzene	1.7J	1.0
2-Butanone	3.1J	--
Carbon disulfide	0.32J	--
Chlorobenzene	1.8J	--
1,2-Dichlorobenzene	0.64J	600
1,3-Dichlorobenzene	0.58J	--
1,4-Dichlorobenzene	7.1J	5.0
1,1-Dichloroethane	0.51J	5.0
cis-1,2-Dichloroethene	1.7J	6.0
Ethylbenzene	3.1J	300
Diethyl ether (Ethyl ether)	3.0J	--
Naphthalene	1.8J	--
Tetrahydrofuran	22	--
Toluene	1.8J	--
Vinyl chloride	1.1J	0.5
Xylenes (total)	4.7J	1750

E-21		
ANALYTE	RESULT	MCL
1,1-Dichloroethane	0.61J	5.0
Tetrachloroethene	0.26J	5.0

E-22
713.53
NON-DETECT

E-03A		
Analyte	Result	MCL
1,1-Dichloroethane	0.29J	5.0

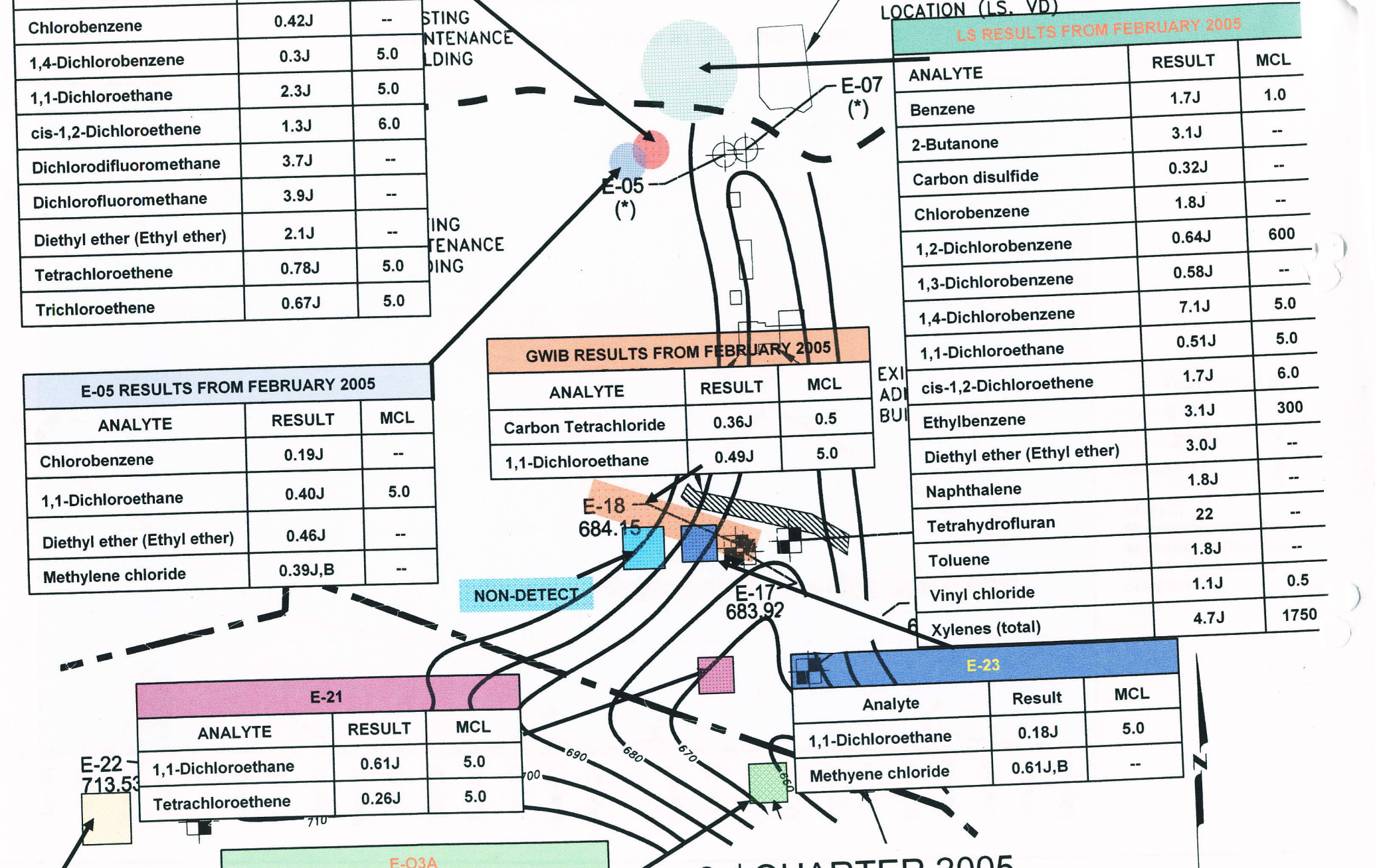
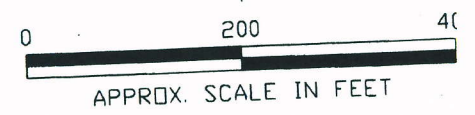
E-23		
Analyte	Result	MCL
1,1-Dichloroethane	0.18J	5.0
Methylene chloride	0.61J,B	--

NON-DETECT

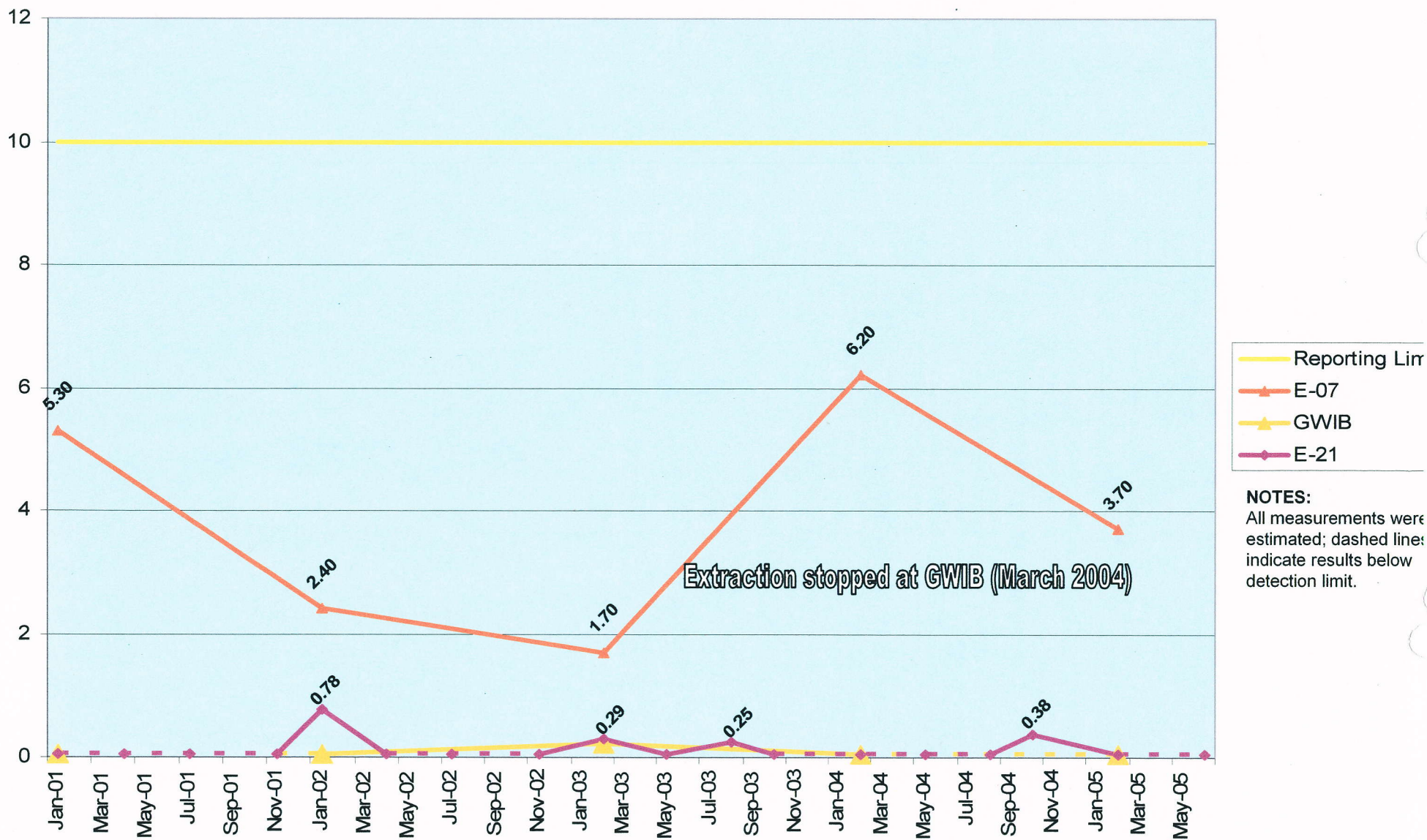
E-18
684.15

E-17
683.92

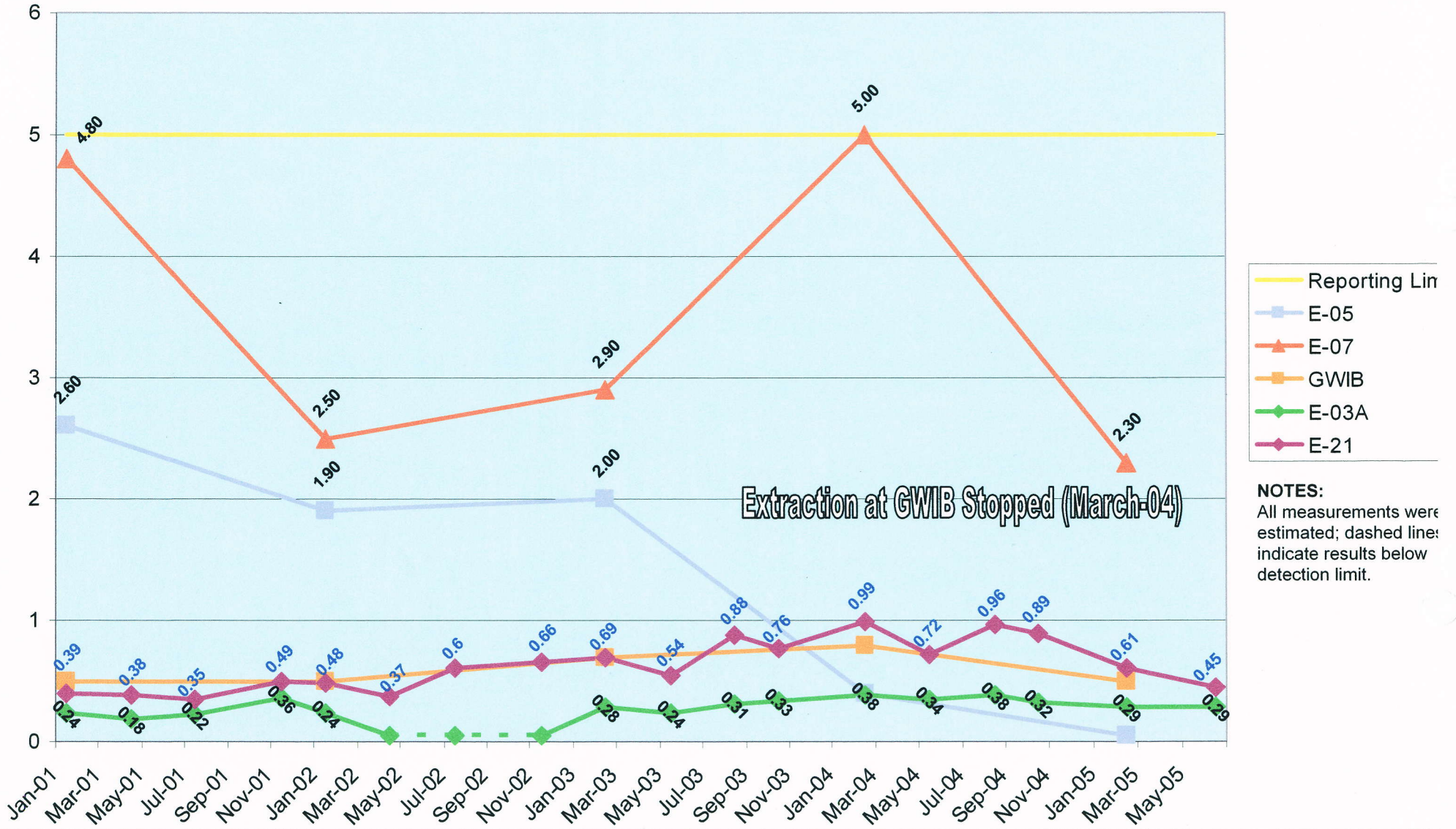
2nd QUARTER 2005
(SCS ENGINEERS, 2005)
664.5



Dichlorodifluoromethane in Groundwater

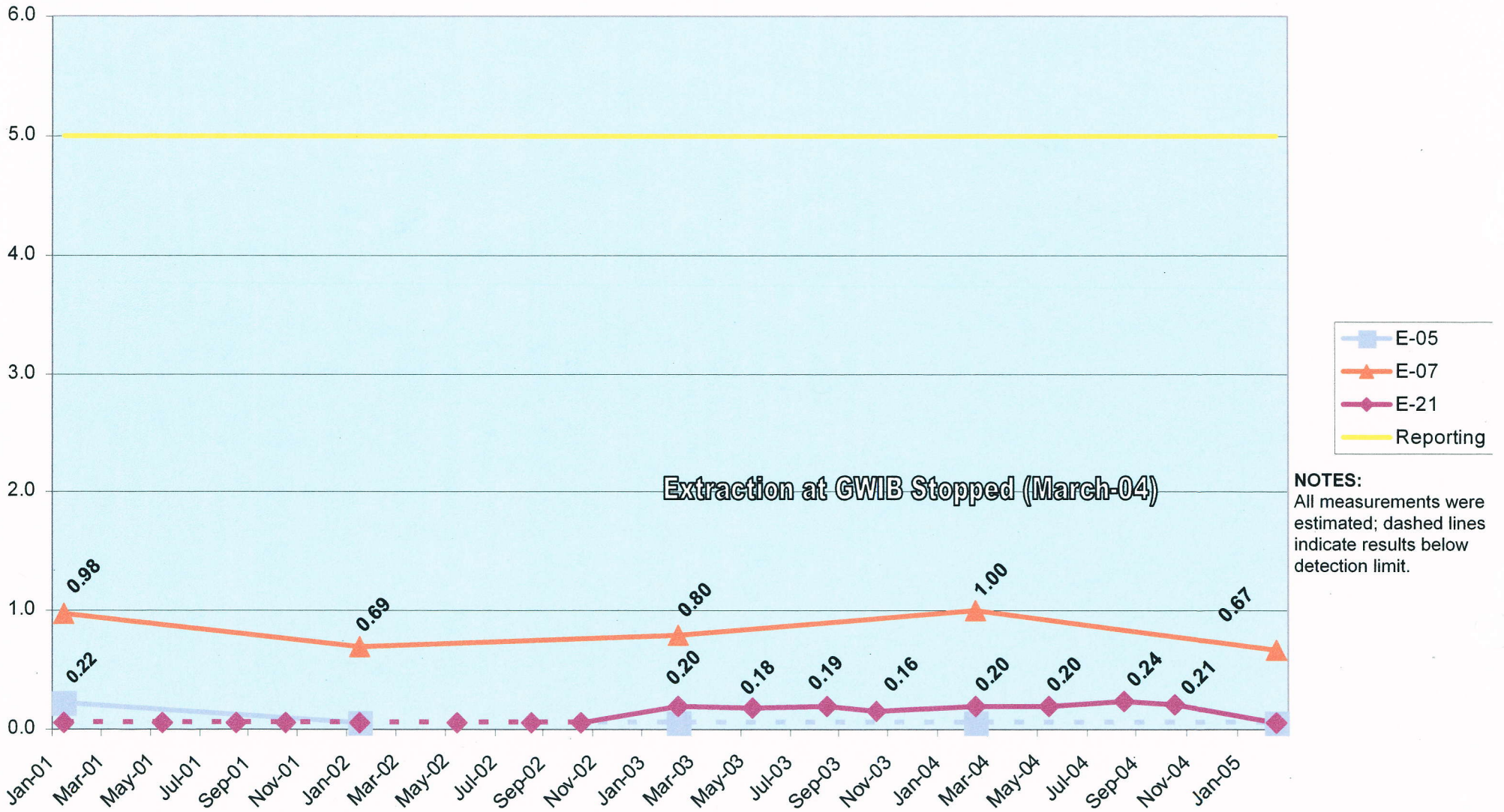


1,1-Dichloroethane in Groundwater



NOTES:
 All measurements were estimated; dashed lines indicate results below detection limit.

Trichloroethene in Groundwater



Extraction at GWIB Stopped (March-04)

NOTES:
All measurements were estimated; dashed lines indicate results below detection limit.

Figure 3. Change in VOC Concentration with Time, E-05, Altamont LF

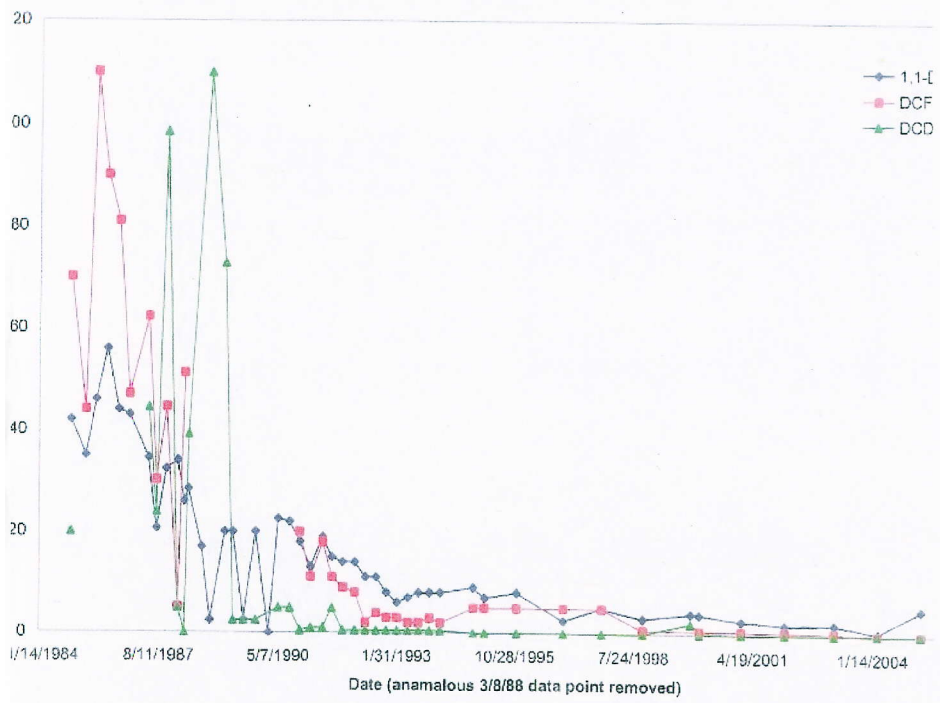


Figure 4. Change in VOC Concentrations with Time, E-07, Altamont

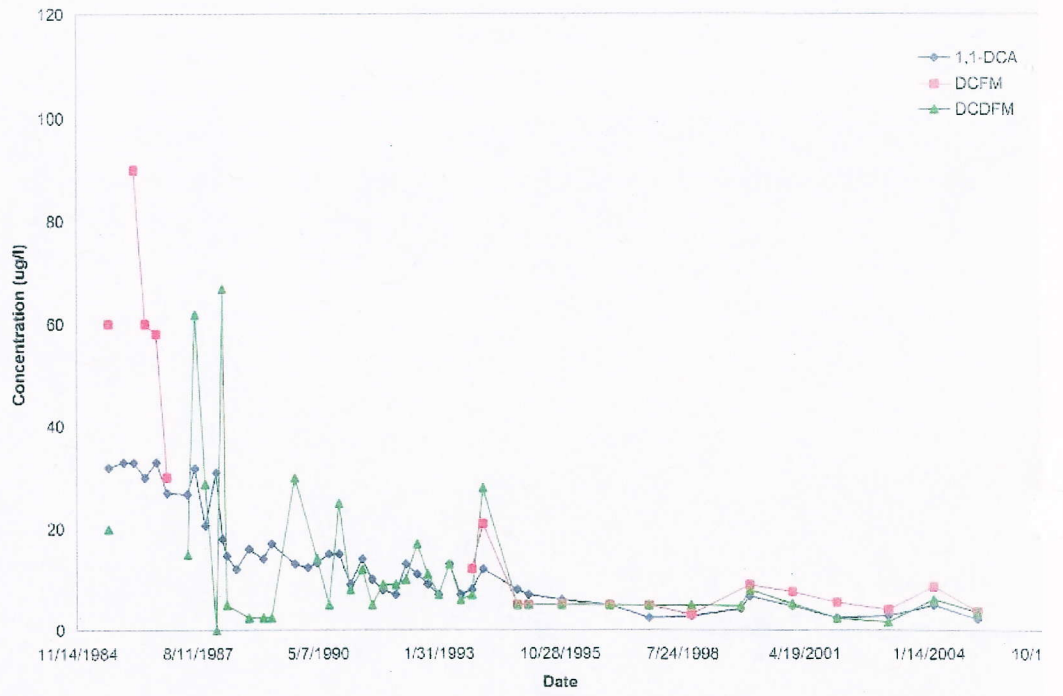


Figure 2. Change in VOC Concentrations, 21C1 and E-18 (after 1986), Altamont LF

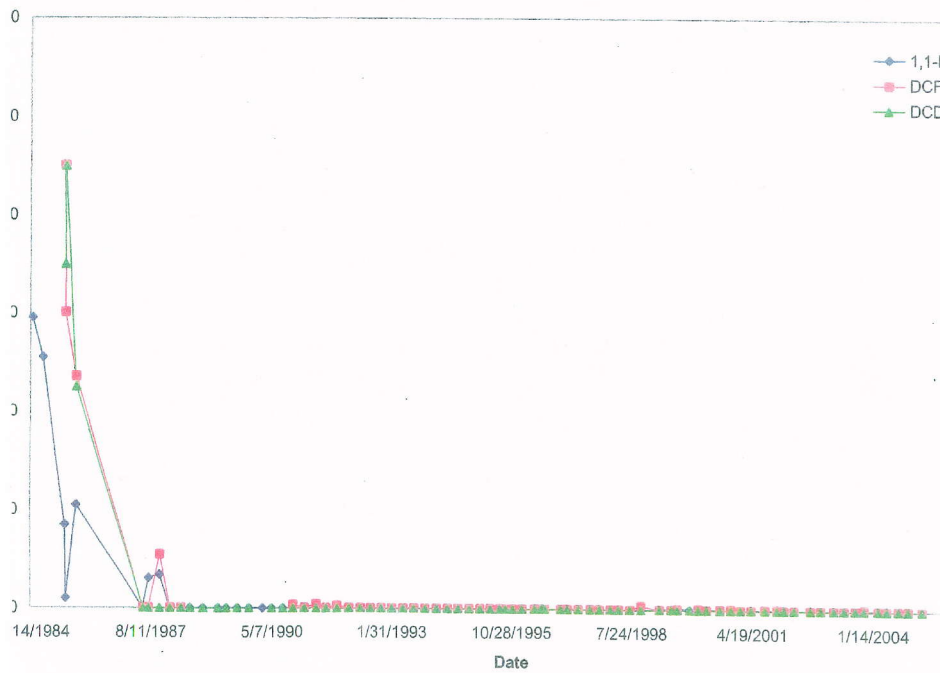
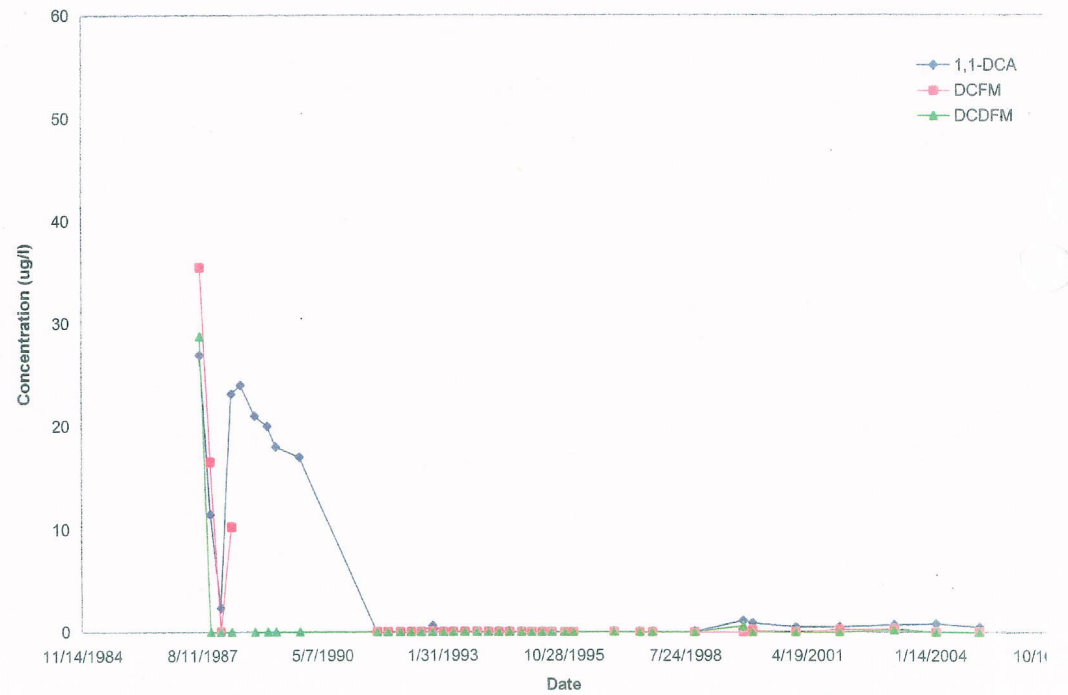


Figure 10. Historical VOC Detections, GWIB, Altamont LF



Future Work

- **Conduct Landfill Inspections**
- **Review Documents**
- **Respond to CMC Requests**