CONESTOGA-ROVERS
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ANALYTICAL RESULTS AND QA/QC REVIEW
SEMI-ANNUAL GROUNDWATER SAMPLING
102ND STREET LANDFILL
NIAGARA FALLS, NEW YORK
NOVEMBER 2008

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1.0 INTRODUCTION

Groundwater samples were collected in support of the Operation and Maintenance Program at the 102nd Street Landfill (Site) in Niagara Falls, New York. The samples were collected in November 2008 and delivered to CompuChem in Cary, North Carolina for analysis. Samples were analyzed for Site-Specific Parameter List (SSPL) volatile organic compounds (VOCs), SSPL semi-volatile organic compounds (SVOCs), SSPL pesticides, total mercury, and total arsenic. A sampling and analysis summary is presented in Table 1. The analytical results are summarized in Table 2 and the analytical methods used are summarized in Table 3. Copies of the Chain of Custody documents are included in Attachment A.

The final sample results and supporting quality assurance/quality control (QA/QC) results were reported by the laboratory in accordance with the requested deliverables. The QA/QC criteria by which these data were assessed are outlined in the analytical methods used and the following guidance documents:

i) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", October 1999; and

ii) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", February 1994.

All data were reviewed for the QA/QC information detailed in Section 2.0 by Paul McMahon of CRA, Inc.

A graphical presentation of the concentration of chemical constituents versus time for wells PCM-03, PCM-04, and PCM-05 is located in Attachment B.

2.0 QA/QC REVIEW

Holding Times

The sample holding time criteria are specified in Table 3. All holding time criteria were met. Most samples were properly preserved and received chilled. One metals sample was received at the laboratory at a pH slightly above the required preservation. The associated sample results were qualified as estimated (see Table 4).

Surrogate Spike Recoveries -VOCs/SVOCs/Pesticides

All samples and blanks analyzed for VOCs, SVOCs, and pesticides were spiked with surrogate compounds prior to sample extraction and/or analysis. Most surrogate spike recoveries were acceptable per the "Guidelines", indicating good analytical efficiency. A poor acid surrogate recovery was reported for one sample; all associated sample results were non-detect and were rejected (see Table 5). Low benzene hexachloride (BHC) surrogate recoveries were reported for two samples. All associated sample results were qualified as estimated (see Table 5).

Laboratory Method Blank Analyses

Method blanks were extracted and/or analyzed with the investigative samples for all parameters. All methods blanks were non-detect for the analytes of interest except for 1,2,3-trichlorobenzene in one blank. All associated sample results were non-detect, and were not impacted.

Matrix Spike/Matrix Spike Duplicate/Duplicate (MS/MSD/Duplicate) Analyses

One sample was selected for MS/MSD analyses as specified in Table 1. The metals analyses were also performed in duplicate. All recoveries and most relative percent differences (RPDs) were acceptable, demonstrating good analytical accuracy and precision. One slightly high SVOC RPD recovery was reported. The associated sample result was non-detect and was not impacted by the indicated variability.

Blank Spike (BS) Analyses

BS and/or laboratory control samples (LCSs) were analyzed for all parameters. Some analyses were performed in duplicate. Most recoveries and RPDs were acceptable, indicating good analytical accuracy and precision. A high 2-chlorotoluene RPD was reported. The associated sample results were non-detect and were not impacted by the indicated variability.

Field Duplicate Analysis

One field duplicate sample was submitted "blind" to the laboratory for analyses as summarized in Table 1.

All field duplicate results showed acceptable reproducibility outside of estimated regions of detection, indicating good laboratory and sampling protocol precision.

Trip Blanks

Three trip blanks were collected for the program. The trip blanks were analyzed for VOCs, and all results were non-detect.

Rinse Blank Analysis

One rinse blank was collected for the program as detailed in Table 1. All rinse blank results were non-detect.

3.0 CONCLUSION

Based on this QA/QC review, the data presented in Table 2 are acceptable with the noted exceptions and qualifications.

TABLES

TABLE 1

SAMPLE COLLECTION AND ANALYSIS SUMMARY
SEMI-ANNUAL GROUNDWATER SAMPLING
102ND STREET LANDFILL
NIAGARA FALLS, NEW YORK
NOVEMBER 2008

				Analysis/Parameters					
Sample ID	*Location I.D.* [1]	*Collection Date*	*Collection Time*	*BHCs*	*VOCs*	*Metals*	*SVOCs*	*Depth to Water* [2] *(ft. BTOC)*	*Comment*
PCM-08-1108	PCM-08	11/10/08	11:30	X	X	X	X	9.26	
PCBM-03-1108	PCBM-03	11/10/08	11:00	X	X	X	X	16.15	
PCM-101108	PCM-10	11/10/08	13:45	X	X	X	X	13.16	
PCM-01-1108	PCM-01	11/10/08	15:00	X	X	X	X	11.88	
TRP102-111008	-	11/10/08	-		X			-	Trip Blank
PCBM-01-1108	PCBM-01	11/11/08	10:30	X	X	X	X	13.20	MS/MSD/Duplicate
PCBM-02-1108	PCBM-02	11/11/08	14:00	X	X	X	X	12.39	
PCM-12-1108	PCBM-02	11/11/08	14:30	X	X	X	X	12.39	Duplicate of PCBM-02-1108
PCM-021108	PCM-02	11/11/08	11:00	X	X	X	X	11.39	
PCM-03-1108	PCM-03	11/11/08	11:45	X	X	X	X	13.70	
PCM-04-1108	PCM-04	11/11/08	13:00	X	X	X	X	12.39	
PCM-05-1108	PCM-05	11/11/08	14:30	X	X	X	X	12.28	
RIN102-1108-1108	-	11/11/08	16:00	X	X	X	X	-	Rinse Blank
TRP102-111108	-	11/11/08	-		X			-	Trip Blank
PCM-7R-1108	PCM-07R	11/12/08	8:45	X	X	X	X	12.64	
TRP102-111208	-	11/12/08	-		X			-	Trip Blank

Notes:

(1) Wells PCM-06 and PCM-09 were dry.

(2) Niagara River water level for November 2008 was 564.46 feet.

- Not applicable.

BHCs Benzene Hexachlorides.

ft. BTOC Feet Below Top of Casing.

MS Matrix Spike.

MSD Matrix Spike Duplicate.

SVOCs Semi-Volatile Organic Compounds.

VOCs Volatile Organic Compounds.

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMI-ANNUAL GROUNDWATER SAMPLING
1O2nd STREET LANDFILL
NIAGARA FALLLS, NEW YORK
NOVEMBER 2008

Parameters	Units	Sample Location: PCBM-01 Sample ID: PCBM-01-1108 Sample Date: 11/11/2008	Sample Location: PCBM-02 Sample ID: PCBM-02-1108 Sample Date: 11/11/2008	Sample Location: PCBM-02 Sample ID: PCM-12-1108 Sample Date: 11/11/2008 Duplicate	Sample Location: PCBM-03 Sample ID: PCBM-03-1108 Sample Date: 11/10/2008	Sample Location: PCM-01 Sample ID: PCM-01-1108 Sample Date: 11/10/2008	Sample Location: PCM-02 Sample ID: PCM-02-1108 Sample Date: 11/11/2008	Sample Location: PCM-03 Sample ID: PCM-03-1108 Sample Date: 11/11/2008	Sample Location: PCM-04 Sample ID: PCM-04-1108 Sample Date: 11/11/2008	Sample Location: PCM-05 Sample ID: PCM-05-1108 Sample Date: 11/11/2008
Volatile Organic Compounds										
1,2,3-Trichlorobenzene	µg/L	0.50 U	0.50 U	2.5 U	0.50 U	0.50 U	0.50 U	130 U	360 U	3.6 U
1,2,4-Trichlorobenzene	µg/L	0.50 U	0.50 U	2.5 U	0.50 U	0.50 U	0.50 U	130 U	360 U	3.6 U
1,2-Dichlorobenzene	µg/L	0.50 U	0.50 U	2.5 U	0.50 U	0.50 U	0.50 U	87 J	360 U	3.6 U
1,4-Dichlorobenzene	µg/L	0.50 U	0.50 U	2.5 U	0.50 U	0.50 U	0.20 J	380	400	3.6 U
2-Chlorotoluene	µg/L	0.50 U	0.50 U	2.5 U	0.10 J	0.50 U	0.50 U	130 U	360 U	3.6 U
Benzene	µg/L	0.50 U	0.50 U	2.5 U	0.50 U	0.50 U	0.13 J	73 J	360 U	5.5
Chlorobenzene	µg/L	0.50 U	0.50 U	2.5 U	0.50 U	0.50 U	0.19 J	4000	11000	110
Semi-volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	R
2,4,5-Trichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	R
2,4-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	12	0.88 J	R
2,5-Dichlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	22	5.0 U	R
2-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	13	10	R
4-Chlorophenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	29	30	R
Phenol	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.58 J	5.0 U	R
Pesticides										
alpha-BHC	µg/L	0.01 J	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 U	1.0 U	0.25 U	0.050 U
beta-BHC	µg/L	0.050 U	0.031 J	0.050 U	0.050 U	0.050 UJ	0.050 U	5.6	0.25 U	0.050 U
delta-BHC	µg/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 U	1.1	1.1	0.050 U
gamma-BHC (Lindane)	µg/L	0.050 U	0.050 U	0.050 U	0.050 U	0.050 UJ	0.050 U	1.0 U	0.25 U	0.050 U
Metals										
Arsenic	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 UJ	10.0 U	10.0 U	10.0 U	10.0 U
Mercury	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 UJ	0.20 U	0.20 U	0.20 U	0.20 U

TABLE 2

ANALYTICAL RESULTS SUMMARY
SEMI-ANNUAL GROUNDWATER SAMPLING
102nd STREET LANDFILL
NIAGARA FALLLS, NEW YORK
NOVEMBER 2008

		Sample Location:	*PCM-07R*	*PCM-08*	*PCM-10*
		Sample ID:	*PCM-7R-1108*	*PCM-08-1108*	*PCM-101108*
		Sample Date:	*11/12/2008*	*11/10/2008*	*11/10/2008*
Parameters	*Units*				
Volatile Organic Compounds					
1,2,3-Trichlorobenzene	µg/L		0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	µg/L		0.21 J	0.50 U	0.50 U
1,2-Dichlorobenzene	µg/L		0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	µg/L		0.50 U	0.50 U	0.50 U
2-Chlorotoluene	µg/L		0.79	2.8	0.50 U
Benzene	µg/L		0.50 U	0.50 U	0.50 U
Chlorobenzene	µg/L		0.50 U	0.50 U	0.50 U
Semi-volatile Organic Compounds					
1,2,4,5-Tetrachlorobenzene	µg/L		5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	µg/L		5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L		5.0 U	5.0 U	5.0 U
2,5-Dichlorophenol	µg/L		5.0 U	5.0 U	5.0 U
2-Chlorophenol	µg/L		5.0 U	5.0 U	5.0 U
4-Chlorophenol	µg/L		5.0 U	5.0 U	5.0 U
Phenol	µg/L		5.0 U	5.0 U	5.0 U
Pesticides					
alpha-BHC	µg/L		0.11	0.014 J	0.064 J
beta-BHC	µg/L		0.19	0.072	0.19 J
delta-BHC	µg/L		0.062	0.050 U	0.016 J
gamma-BHC (Lindane)	µg/L		0.11	0.050 U	0.050 UJ
Metals					
Arsenic	µg/L		10.0 U	10.0 U	10.0 U
Mercury	µg/L		0.20 U	0.20 U	0.20 U

Notes:

J	Estimated concentration.
R	Rejected.
U	Not present at or above the associated value.
UJ	Estimated reporting limit.

TABLE 3

ANALYTICAL METHOD SUMMARY
SEMI-ANNUAL GROUNDWATER SAMPLING
102ND STREET LANDFILL
NIAGARA FALLS, NEW YORK
NOVEMBER 2008

Analyses	*Methodology* [1]	*Holding Time to Extraction (Days)*	*Holding Time to Analyses (Days)*
VOCs	SW-846 8260B	-	14
SVOCs	SW-846 8270C	7	40
Pesticides	SW-846 8081A	7	40
Arsenic	SW-846 6010B	-	180
Mercury	SW-846 7470A	-	28

Notes:

(1) Referenced from "Test Methods for Evaluating Solid Waste", USEPA OSW, 3rd Edition, 1986 and subsequent revisions.

SVOCs Semi-Volatile Organic Compounds.

VOCs Volatile Organic Compounds.

TABLE 4

QUALIFIED SAMPLE RESULTS DUE TO INADEQUATE PRESERVATION
SEMI-ANNUAL GROUNDWATER SAMPLING
102ND STREET LANDFILL
NIAGARA FALLS, NEW YORK
NOVEMBER 2008

Parameter	*Sample ID*	*pH Upon Receipt at Laboratory*	*Required pH*	*Analyte*	*Sample Result*	*Units*	*Qualifier*
Metals	PCM-01-1108	3	<2	Arsenic	10.0 U	µg/L	UJ
				Mercury	0.20 U	µg/L	UJ

Notes:
U Non-detect at the associated value.
UJ Estimated reporting limit.

TABLE 5
QUALIFIED SAMPLE RESULTS DUE TO OUTLYING SURROGATE RECOVERIES
SEMI-ANNUAL GROUNDWATER SAMPLING
102ND STREET LANDFILL
NIAGARA FALLS, NEW YORK
NOVEMBER 2008

Parameter	*Surrogate*	*Surrogate Recovery (percent)*	*Control Limits (percent)*	*Sample ID*	*Analytes*	*Sample Results*	*Units*	*Qualifier*
SVOCs	Phenol-d5	5	10-110	PCM-05-1108	Phenol	5.0 U	µg/L	R
					2,4-Dichlorophenol	5.0 U	µg/L	R
					2-Chlorophenol	5.0 U	µg/L	R
					2,4,5-Trichlorophenol	5.0 U	µg/L	R
					4-Chlorophenol	5.0 U	µg/L	R
					2,5-Dichlorophenol	5.0 U	µg/L	R
BHCs	Decachlorobiphenyl	22	43-144	PCM-01-1108	alpha-BHC	0.050 U	µg/L	UJ
					beta-BHC	0.050 U	µg/L	UJ
					delta-BHC	0.050 U	µg/L	UJ
					gamma-BHC (Lindane)	0.050 U	µg/L	UJ
BHCs	Decachlorobiphenyl	23	43-144	PCM-101108	alpha-BHC	0.064	µg/L	J
					beta-BHC	0.19	µg/L	J
					delta-BHC	0.016 J	µg/L	J
					gamma-BHC (Lindane)	0.050 U	µg/L	UJ

Notes:
J Estimated.
R Rejected.
U Non-detect at the associated value.
SVOCs Semi-Volatile Organic Compounds.

ATTACHMENT A

CHAIN OF CUSTODY DOCUMENTS

CHAIN OF CUSTODY RECORD

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Miller Springs Remediation Occidental Chemical	SHIP TO (LABORATORY NAME): **CompuChem** **501 Madison Avenue** **Cary, NC 27513**	REFERENCE NUMBER: **102nd SEMI-ANNUAL** **Sampling** **919-379-4089**
FACILITY LOCATION: **102ND STREET**	SAMPLER(S) (PRINT NAME) **DT/SG**	SIGNATURE Shawn Maidner

SAMPLE RESULTS REPORTING TO:

Paul McMahan Fax: (716) 297-6150 Phone: (716)297-2150
Mailing Address: CRA 2055 Niagara Falls Blvd. Suite 3
NIAGARA FALLS, NY 14304
NT Facility Fax (716) 693-4681 Phone: (716) 693-4616

DATE	TIME	SAMPLE NO.	COMPOSITE	GRAB	OTHER	CONTAINER TYPE	CONTAINERS NO. of	VOA 40mL	SVOC AL	BHC AL	ARSEN/MERC 500mL	Arsenic pH				PRESERVED	Received at 0.2°C, 1.0°C REMARKS
11/10/08	11:30	PCM-08-1108		X		*	6	3	1	1	1	<2		08110 86-01		-	ALL SAMPLES STORED
"	11:00	PCBM-03-1108		X		*	8	3	2	2	1	<2			-02	HCL	AND SHIPPED IN COOLER(S)
"	13:45	PCM-101108		X		*	8	3	2	2	1	<2			-03		WITH ICE/ICE PACKS AND
"	15:00	PCM-01-1108		X		*	8	3	2	2	1	3		√	-04		KEPT AT 4c
		for all sample IDs, the containers have a suffix of "-0908" instead of "-1108"															BNA 1 Ltr. AG
																	VOA 40ML HCL
																	SVOC 1 Ltr. AG
																	ARSENIC 1 Ltr. P HNO3
																	MERCURY 1 Ltr. P
11/10/08		TRP102-111008			X	40 mL G	1							08110 86-05			
		TOTAL NUMBER OF CONTAINERS					31										

RELINQUISHED BY: Shawn Maidner	DATE 11/10/08	TIME 1630	RECEIVED BY: [illegible]	DATE 11/11/08	TIME 0935
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME

BOTTLE TYPES : G = GLASS ; AG = AMBER GLASS ; P = HPDE (PLASTIC) ; SAG = SILANIZED AMBER GLASS

METHOD OF SHIPMENT : SAMPLE TEAM: DT/SG CHAIN OF CUSTODY NO: 102nd1110081

for PCBM-03-1108, received two AL for parameter BNA, none for BHC

CHAIN OF CUSTODY RECORD

Cooler Temps: 2.3°, 0.6°, 0.2°, 1.4°C

Miller Springs Remediation Occidental Chemical	SHIP TO (LABORATORY NAME): **CompuChem** **501 Madison Avenue** **Cary, NC 27513**	REFERENCE NUMBER: **102nd SEMI-ANNUAL Sampling** **919-379-4089**	SAMPLE RESULTS REPORTING TO: **Paul McMahan** Fax: (716) 297-6150 Phone: (716)297-2150 **Mailing Address:** CRA 2055 Niagara Falls Blvd. Suite 3 NIAGARA FALLS, NY 14304 **NT Facility** Fax (716) 693-4681 Phone: (716) 693-4616
FACILITY LOCATION: **102ND STREET**	SAMPLER(S) (PRINT NAME) **DT/SG**	SIGNATURE Shaun Gardner	

DATE	TIME	SAMPLE NO.	COMPOSITE	GRAB	OTHER	CONTAINER TYPE	CONTAINERS NO. of	VOA 40 ml	SVOC AL	BHC AL	ARSENIC/MERC 500	Arsenic/Hg pH					PRESERVED	REMARKS
11/11/08	10:30	PCBM-01-1108		X		*	24	9	6	6	3	<2	0811086-06				-	ALL SAMPLES STORED
"	14:00	PCBM-02-1108		X		*	8	3	2	2	1	<2	-07				HCL	AND SHIPPED IN COOLER(S)
"	11:00	PCM-021108		X		*	8	3	2	2	1	<2	-08					WITH ICE/ICE PACKS AND
"	11:55	PCM-03-1108		X		*	8	3	2	2	1	<2	-09					KEPT AT 4c
"	13:00	PCM-04-1108		X		*	8	3	2	2	1	<2	-10					
"	14:30	PCM-12-1108		X		*	8	3	2	2	1	<2	-11					
"	1430	PCM-05-1108		X		*	8	3	2	2	1	<2	-12					
"	16:00	RIN102-1108-1108		X		*	8	3	2	2	1	<2	-13					
																		BNA 1 Ltr. AG
																		VOA 40ML HCL
																		SVOC 1 Ltr. AG
																		ARSENIC 1 Ltr. P HNO3
																		MERCURY 1 Ltr. P
11/11/08		TRP102-111108			X	40 mL G	1						0811086-14					
		trip blk vial label has "TRP4102-111108" CD 11/12/08																
		TOTAL NUMBER OF CONTAINERS					81											

RELINQUISHED BY: Shaun Gardner	DATE 11/11/08	TIME 1600	RECEIVED BY: Diane Byrd	DATE 11/12/08	TIME 1010
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME

BOTTLE TYPES : G = GLASS ; AG = AMBER GLASS ; P = HPDE (PLASTIC) ; SAG = SILANIZED AMBER GLASS

METHOD OF SHIPMENT : FED EX | SAMPLE TEAM: DT/SG | CHAIN OF CUSTODY NO: 102nd1111081

all container labels end in "-0908" CD 11/12/08

CHAIN OF CUSTODY RECORD

Rec'd @ 0.6°C

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Miller Springs Remediation Occidental Chemical	SHIP TO (LABORATORY NAME): **CompuChem** **501 Madison Avenue** **Cary, NC 27513**	REFERENCE NUMBER: **102nd SEMI-ANNUAL** **Sampling** **919-379-4089**
FACILITY LOCATION: **102ND STREET**	SAMPLER(S) (PRINT NAME) **DT/SG**	SIGNATURE Shaun Gardner

SAMPLE RESULTS REPORTING TO:

Paul McMahan Fax: (716) 297-6150 Phone: (716)297-2150

Mailing Address: CRA 2055 Niagara Falls Blvd. Suite 3, NIAGARA FALLS, NY 14304

NT Facility Fax (716) 693-4681 Phone: (716) 693-4616

DATE	TIME	SAMPLE NO.	COMPOSITE	GRAB	OTHER	CONTAINER TYPE	CONTAINERS NO. of	VOA 40ml	SVOC AL	BHC AL	ARSEN/MERC 500	Arsenic/Merc. pH					PRESERVED	REMARKS
11/12/08	8:45	PCM-7R-1108		X		*	7	3	1	2	1	<2		08N086-15			-	ALL SAMPLES STORED
																	HCL	AND SHIPPED IN COOLER(S)
																		WITH ICE/ICE PACKS AND
																		KEPT AT 4c
																		BNA 1 Ltr. AG
																		VOA 40ML HCL
																		SVOC 1 Ltr. AG
																		ARSENIC 1 Ltr. P HNO3
																		MERCURY 1 Ltr. P
11/12/08		TRP102-111208			X	40 mL G	1							08N086-16				
		TOTAL NUMBER OF CONTAINERS					8											

Program Complete

RELINQUISHED BY: Shaun Gardner	DATE 11/12/08	TIME 1200	RECEIVED BY: Diane Lynch	DATE 11/13/08	TIME 0915
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME

BOTTLE TYPES : G = GLASS ; AG = AMBER GLASS ; P = HPDE (PLASTIC) ; SAG = SILANIZED AMBER GLASS

METHOD OF SHIPMENT : FED EX | SAMPLE TEAM: DT/SG | CHAIN OF CUSTODY NO: 102nd1112081

"All sample labels end in -908" DB 11/13/08

PCM-7R-1108 - SVOC AL and Arsenic/Merc. 500ml plastic both have some ice floating in sample. DB 11/13/08

ATTACHMENT B

GRAPHICAL PRESENTATION
CHEMICAL CONCENTRATION VERSUS TIME

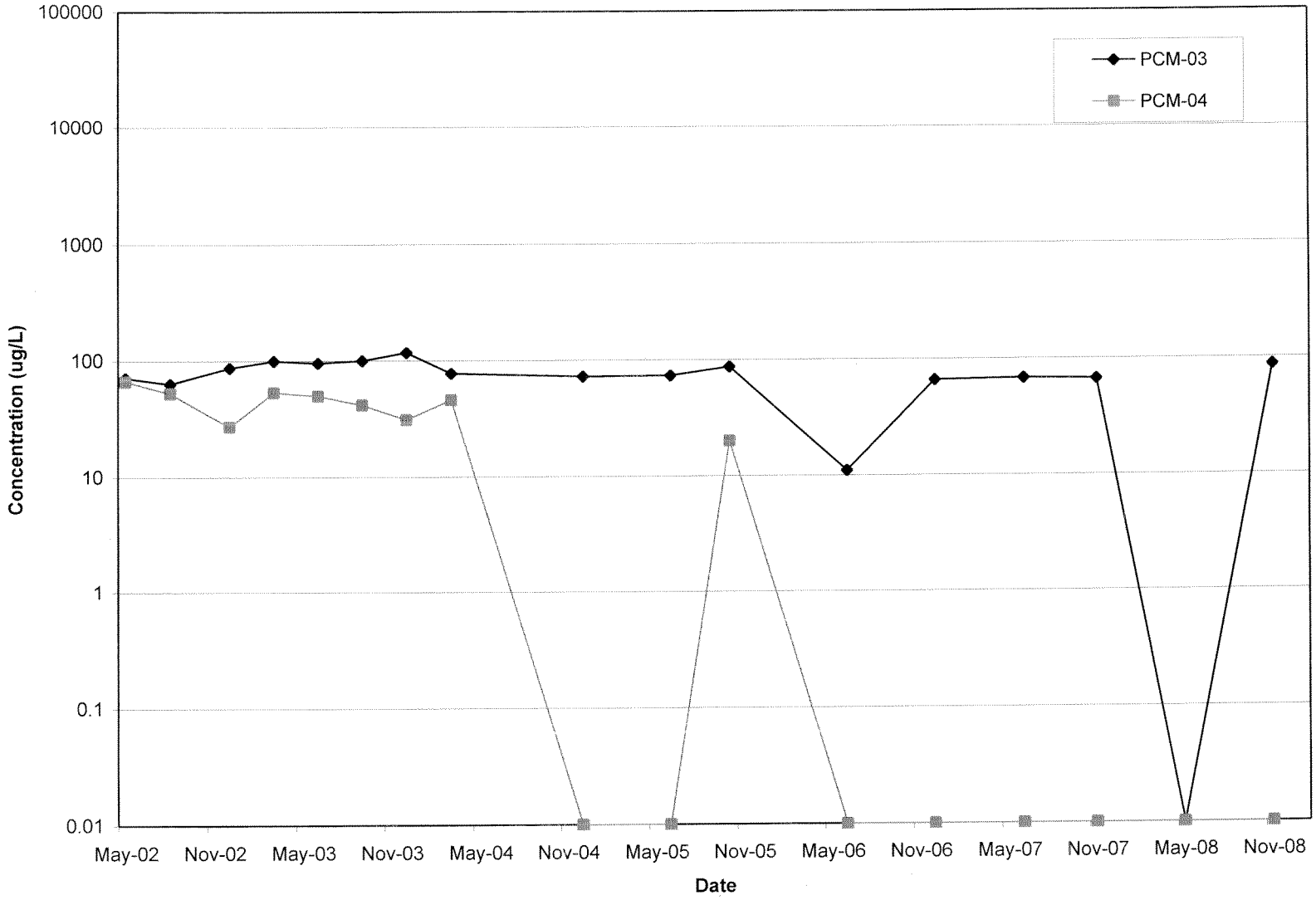

figure 1

CONCENTRATION OF 1,2-DICHLOROBENZENE vs. TIME
102ND STREET LANDFILL

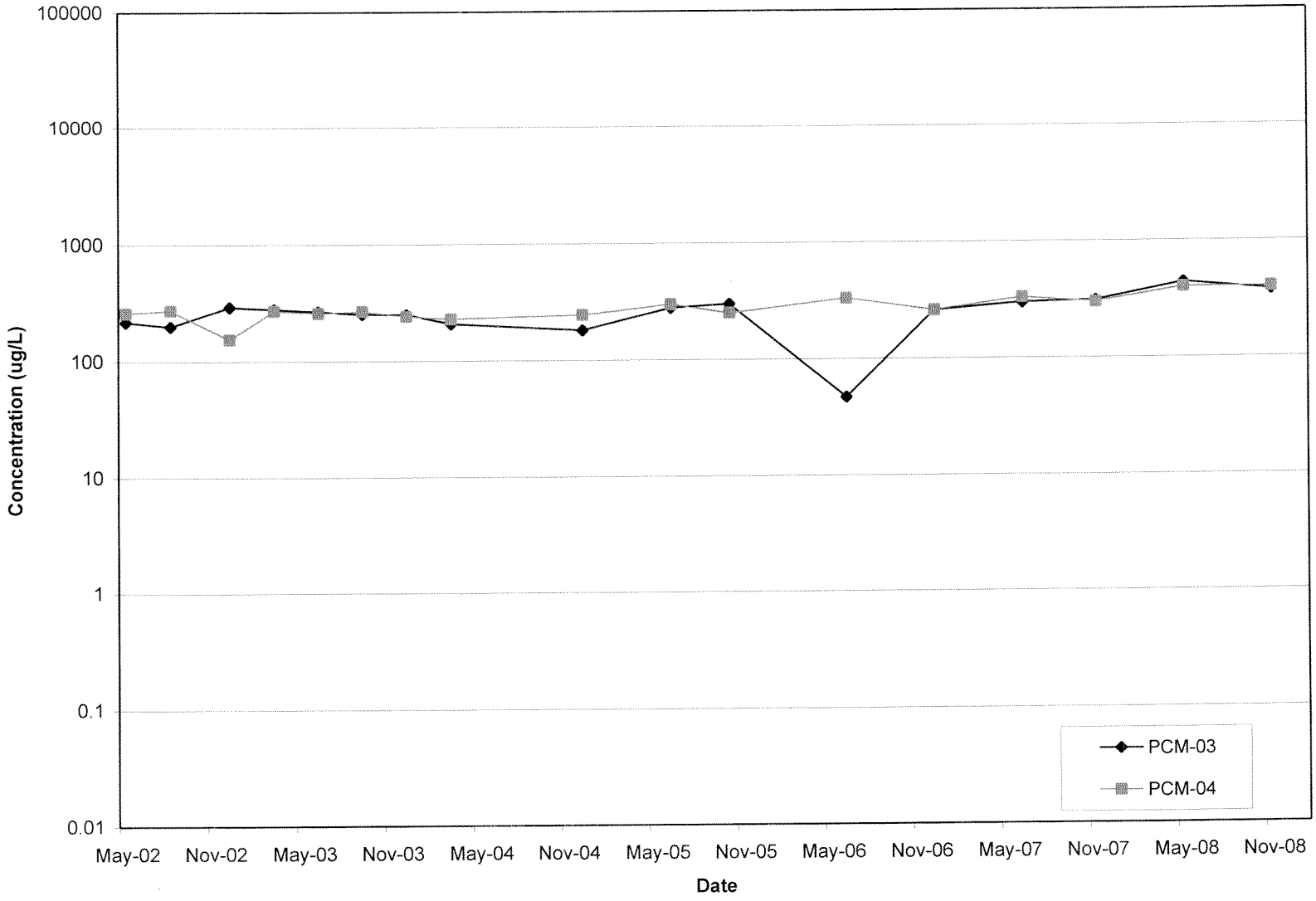

figure 2

CONCENTRATION OF 1,4-DICHLOROBENZENE vs. TIME
102ND STREET LANDFILL

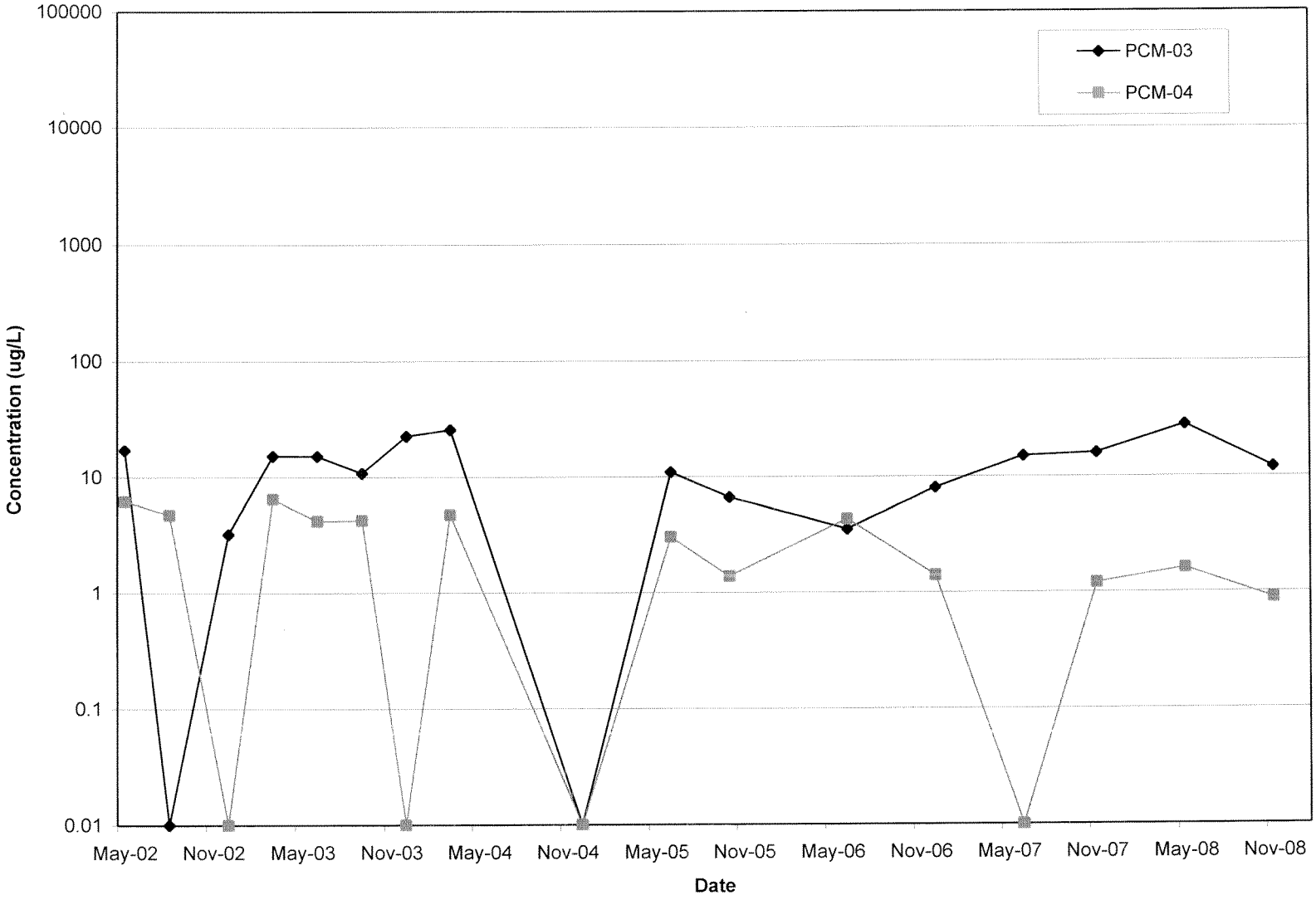

figure 3
CONCENTRATION OF 2,4-DICHLOROPHENOL vs. TIME
102ND STREET LANDFILL

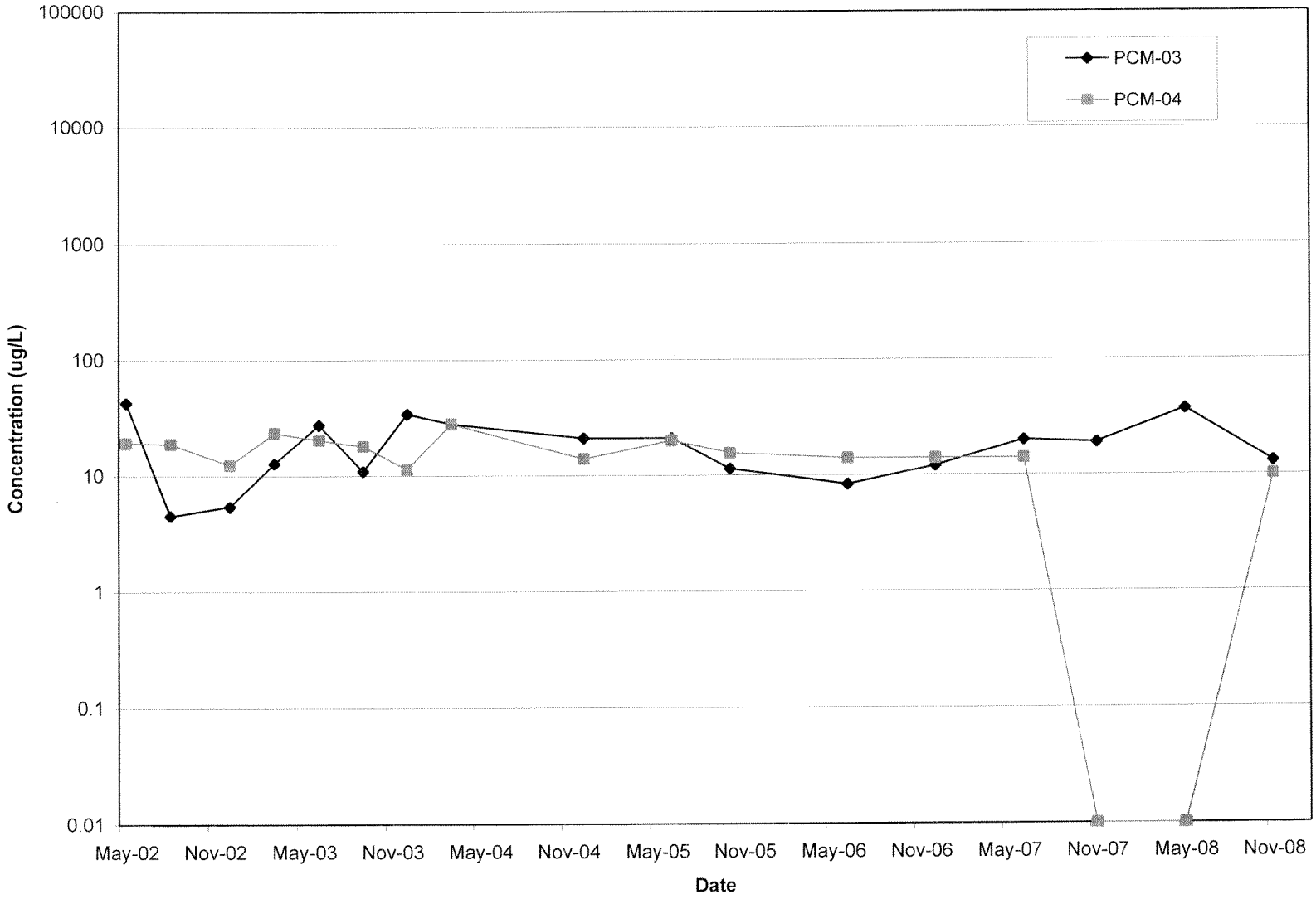

figure 4
CONCENTRATION OF 2-CHLOROPHENOL vs. TIME
102ND STREET LANDFILL

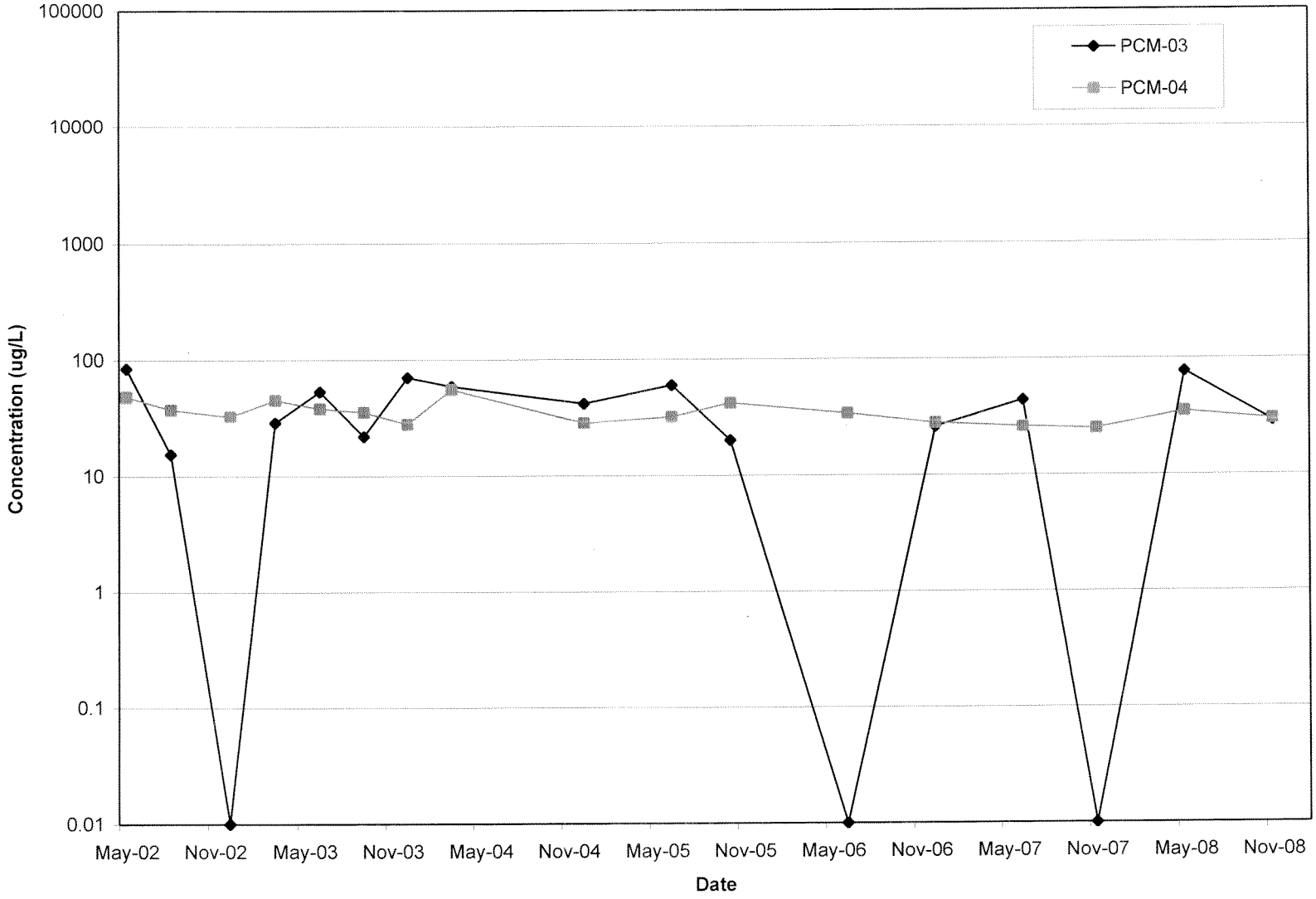

figure 5
CONCENTRATION OF 4-CHLOROPHENOL vs. TIME
102ND STREET LANDFILL

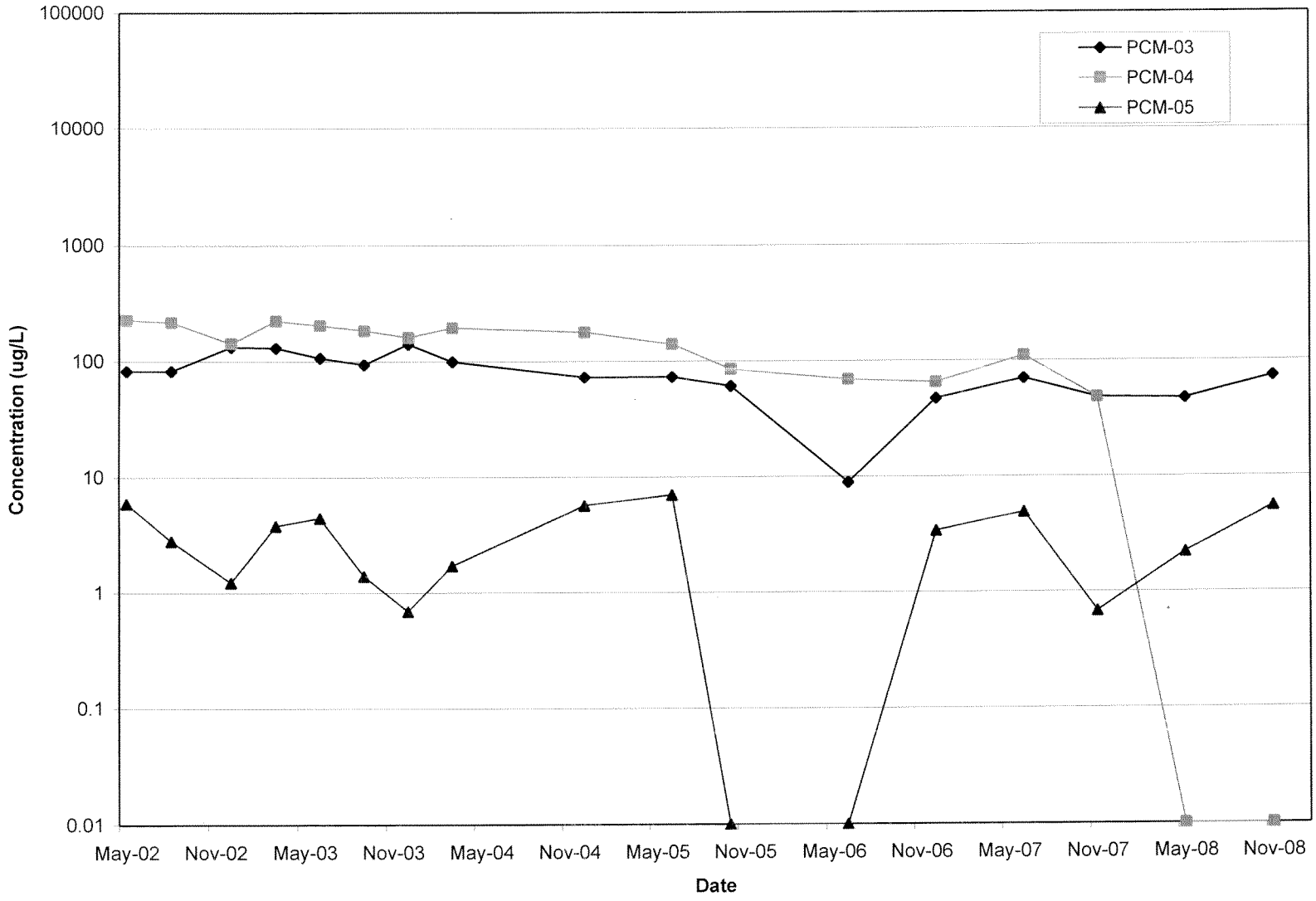

figure 6
CONCENTRATION OF BENZENE vs. TIME
102ND STREET LANDFILL

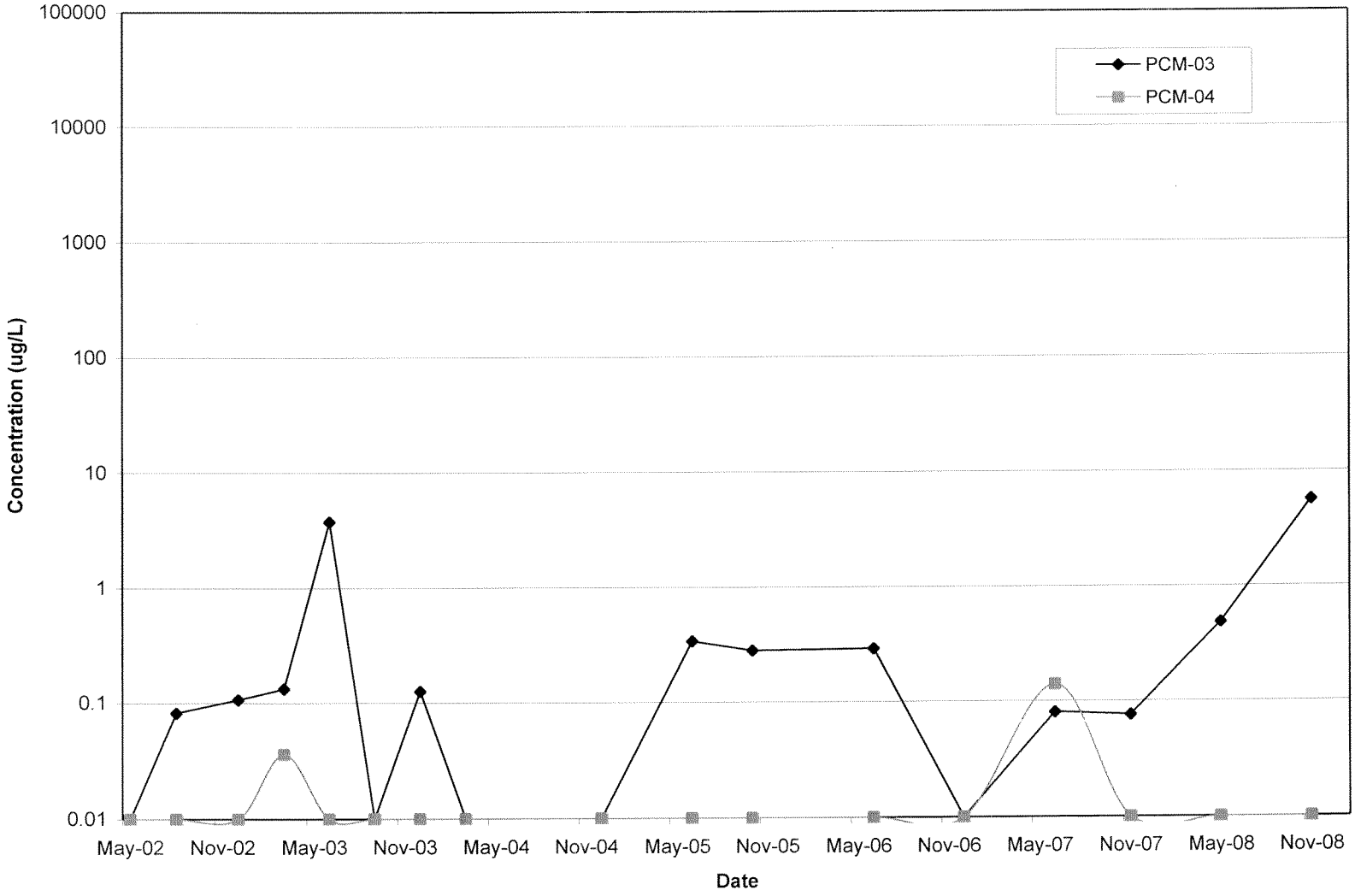

figure 7
CONCENTRATION OF BETA-BHC vs. TIME
102ND STREET LANDFILL

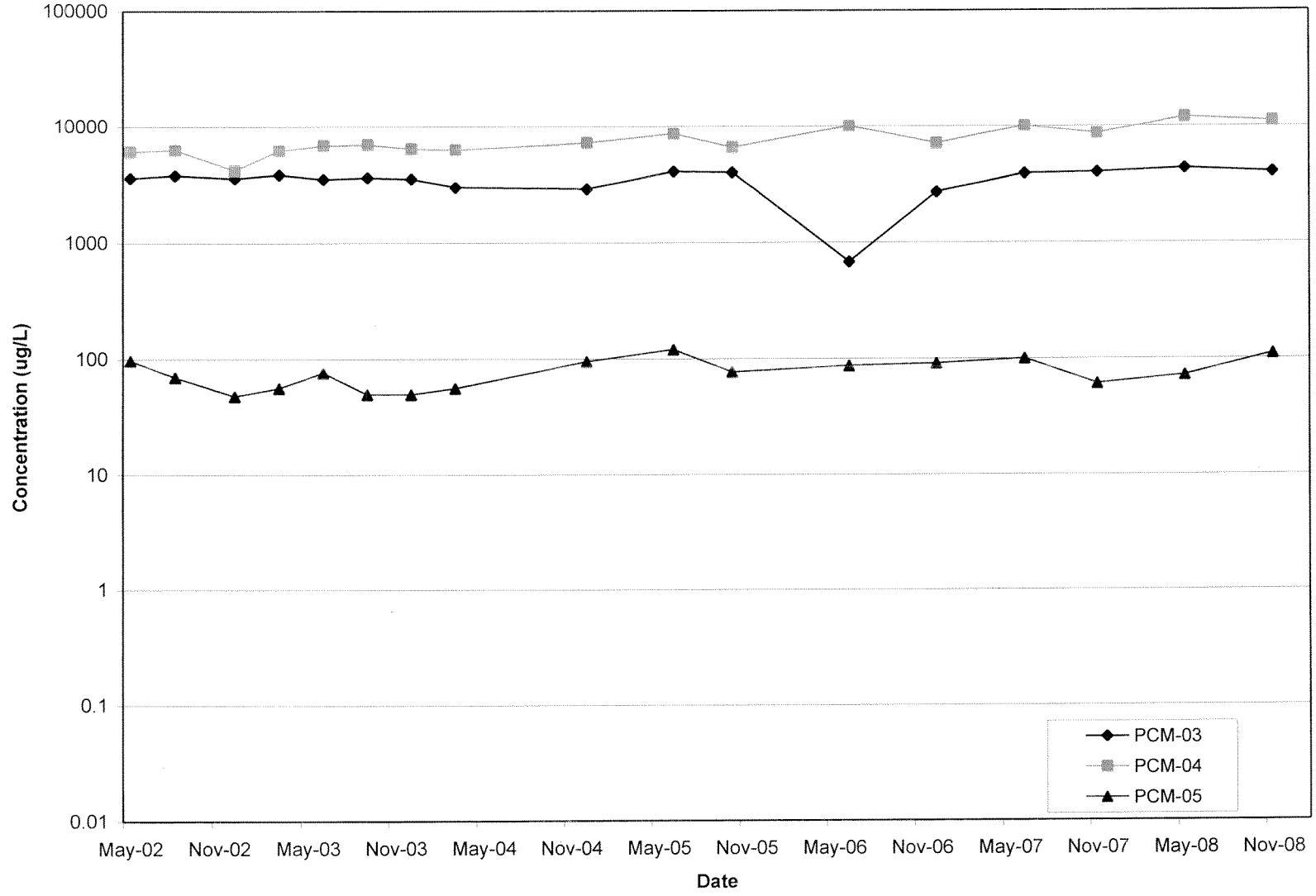

figure 8
CONCENTRATION OF CHLOROBENZENE vs. TIME
102ND STREET LANDFILL

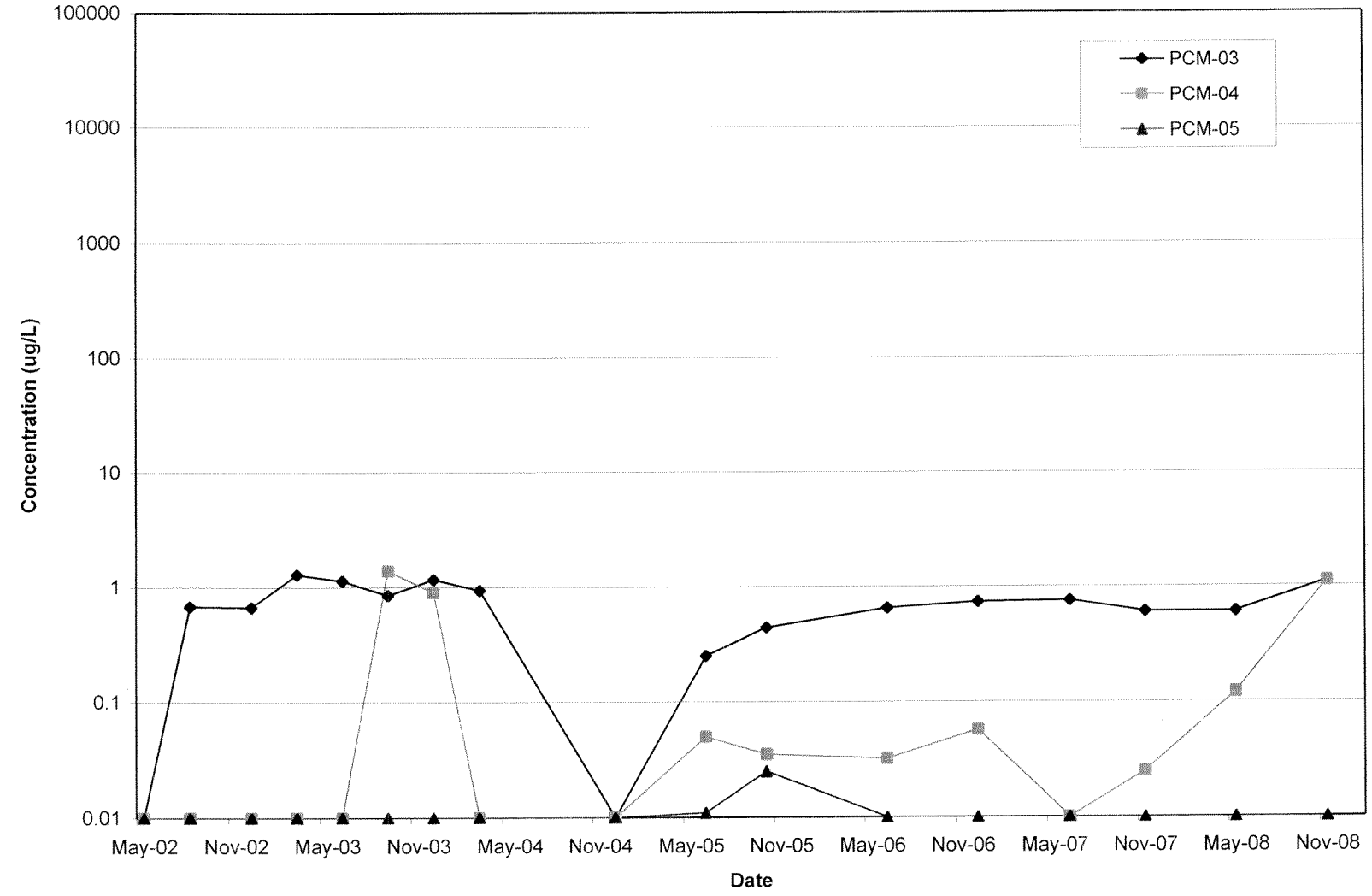

figure 9
CONCENTRATION OF DELTA-BHC vs. TIME
102ND STREET LANDFILL

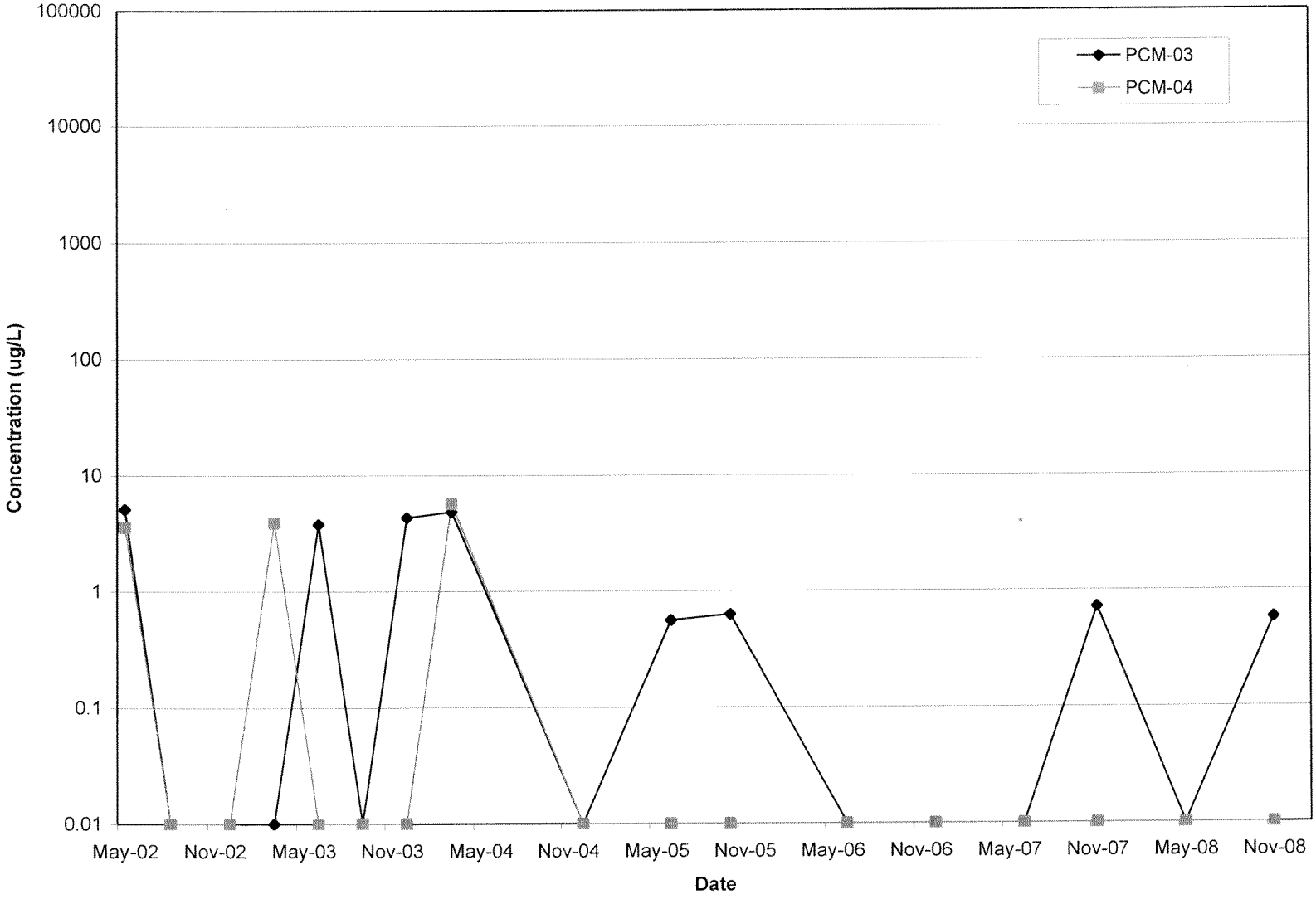

figure 10
CONCENTRATION OF PHENOL vs. TIME
102ND STREET LANDFILL