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Clayton GROUP SERVICES

October 31, 2005

Mr. Amir Gholami
Hazardous Materials Specialist
ALAMEDA COUNTY ENVIROMENTAL HEALTH
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Clayton Project No.70-04578.00

Subject: **Third Quarter 2005 Groundwater Monitoring Results**
Former Lemoine Sausage Factory
630 29th Avenue
Oakland, California

Dear Mr. Gholami:

Clayton Group Services is pleased to present the results of the Third Quarter 2005 groundwater monitoring event performed at 630 29th Avenue in Oakland, California.

If you have any comments or questions regarding the report, please do not hesitate to contact me at (925) 426-2626.

Sincerely,

Timothy G. Bodkin, C.E.G., R.E.A.
Senior Project Manager
Environmental Services
San Francisco Regional Office

TGB/jvw

cc: Bob Pender, AIG Technical Services
Donna Profitt, Bank of America
Richard Tong, U.S. Laboratories

THIRD QUARTER 2005 GROUNDWATER MONITORING REPORT for the Former Lemoine Sausage Facility 630 29th Avenue Oakland, California

Clayton Project No. 70-04578.00
October 31, 2005

Prepared by:
CLAYTON GROUP SERVICES, INC.
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B. Third Quarter 2005- Certified Analytical Data Sheets and Chain-of-Custody Documentation

1.0 INTRODUCTION

Clayton Group Services, Inc., (Clayton) has prepared the following Third Quarter 2005 Groundwater Monitoring Report for the former Lemoine Sausage Facility located at 630 29th Avenue in Oakland, California (Figure 1). The groundwater monitoring was performed pursuant to a request from Alameda County Environmental Health (ACEH) in their letter dated June 19, 1999. Groundwater monitoring is required due to past releases from a former gasoline underground storage tank (UST) previously located beneath the sidewalk adjacent to the subject property.

The purpose of the groundwater monitoring is to document groundwater flow conditions and water quality beneath the site. Depth to groundwater measurements were obtained and groundwater samples were collected and analyzed for total petroleum hydrocarbons as gasoline (TPH-g) and associated compounds, including benzene, toluene, ethylbenzene and total xylenes (BTEX), and volatile organic compounds (VOCs), including the former gasoline fuel additive, 1,2-dichloroethane (1,2-DCA).

As directed by the ACEH, groundwater monitoring is being performed on a quarterly basis. This Third Quarter 2005 Groundwater Monitoring Report documents field activities, and presents data used to determine the groundwater elevation, gradient, and groundwater quality at the site.

2.0 SITE DESCRIPTION AND HISTORY

A single 1,000-gallon gasoline UST and associated plumbing/piping were formerly located beneath the sidewalk along 7th Street immediately east of the subject building. The associated fuel dispenser was located in a "cubby hole" near the building's roll-up door. The UST and associated piping were removed on November 21, 1996 and confirmation soil samples were collected. A petroleum hydrocarbon sheen was noted on groundwater that collected in the tank excavation. Petroleum hydrocarbons were detected in the confirmation soil samples collected at the time of the UST removal.

Subsequent groundwater investigations were performed to define the vertical and lateral extent of petroleum hydrocarbons in groundwater. Ten (10) groundwater monitoring wells were installed and screened within the first-encountered water bearing zone to monitor groundwater conditions around the site. First-encountered water beneath the site predominantly occurs within low permeability clayey and sandy silts. Groundwater analytical results also have revealed concentrations of VOCs in monitoring wells located to the south and southwest of the former UST location. This source of the VOCs, which has not been identified, is most likely related to an off-site source.

3.0 FIELD ACTIVITIES

Groundwater level measurements were obtained at the each of the monitoring wells with the exception of Wells MW-3 through MW-5. Groundwater samples were collected from ten (10) existing monitoring wells (MW-1, MW-2, and MW-6 through MW-13).

3.1. GROUNDWATER LEVEL MEASUREMENTS

On September 13, 2005, depth to water measurements were obtained in the monitoring wells to calculate groundwater elevations and to estimate the groundwater flow direction and gradient. The wells were opened and allowed to stabilize prior to measuring the groundwater levels. The depth to water in each well was measured using an electronic well sounder. Groundwater depths were measured from the surveyed reference elevation represented as a V-notch at the top of the casing (TOC). Groundwater elevations were calculated by subtracting the measured depth to water from the TOC elevation at each monitoring well.

3.2. GROUNDWATER PURGING

Prior to groundwater sample collection at each monitoring well, between three (3) and four (4) well casing volumes of standing water were removed with the exception of Wells MW-1 and MW-2. Monitoring wells MW-1 and MW-2 were not purged because of being constructed with ¾-inch diameter PVC well casings and the wells not containing sufficient water. Monitoring Wells MW-6 through MW-13 was constructed with 2-inch diameter PVC well casings. Wells MW-6 through MW-13 were purged by hand bailing with 1-liter plastic disposable bailers.

The purge volume from each monitoring well was determined by multiplying the nominal cross-sectional area of the well casing by the water column within each well casing. The water column height in each well was determined by subtracting the depth to water from the total well casing depth. Water quality parameters (pH, specific conductivity, and temperature) were measured and recorded onto field sampling data sheets. Water quality parameter measurements were taken prior to purging and after removing each well casing volume of water from each monitoring well.

Water level measurements and well purging and sampling data for the Third Quarter 2005 monitoring event were recorded on Field Sampling Data Sheets presented in Appendix A. Groundwater purged from monitoring wells during sampling was stored onsite in sealed 55-gallon drums meeting U.S. Department of Transportation (USDOT) regulations and labeled with identifying information.

3.3 GROUNDWATER SAMPLING

Before groundwater sampling commenced, each monitoring well was allowed to recharge to at least 80% of the pre-purged standing water volume. Groundwater samples for laboratory analyses were retrieved using either a peristaltic pump with polytubing or a new disposable bailer. Groundwater samples were poured into appropriate laboratory-supplied containers. Sample containers were sealed, labeled with identifying project information, logged onto a chain-of-custody document, and temporarily stored in a chilled ice-chest for transport to the laboratory.

3.4 LABORATORY ANALYSES

Groundwater samples were analyzed by Curtis and Tompkins, Ltd., Analytical Laboratories of Berkeley, California, a State of California certified laboratory. The

samples were analyzed by the following United States Environmental Protection Agency (USEPA) approved analytical methods:

- USEPA Method 8015B for TPH-g
- USEPA Method 8021B for BTEX
- USEPA Method 8260B for VOCs

Certified analytical data sheets and chain-of-custody documentation for the Third Quarter 2005 groundwater sampling event are presented in Appendix B.

4.0 FINDINGS

4.1. GROUNDWATER FLOW CONDITIONS

A groundwater elevation map was generated by contouring lines of equal groundwater elevation between the known groundwater elevation data points. Groundwater depths ranged between 6.03 and 10.58 feet below the tops of well casings. Groundwater elevations ranged between 7.06 and 10.91 feet mean sea level. The direction of groundwater flow is inferred to be to the west-southwest at a gradient of 0.154 feet per foot (ft/ft). Historical depth to water measurements and groundwater elevation data are presented in Table 1. The Third Quarter 2005 groundwater elevation contour map is presented on Figure 2.

4.2. PETROLEUM AND BTEX ANALYTICAL RESULTS

The frequency and range of petroleum hydrocarbons detected in groundwater samples are as follows:

- TPH-g was detected in six (6) that ranged in concentration from 64 micrograms per liter (µg/L) to 48,000 µg/L.
- Benzene was detected in five (5) samples that ranged in concentration from 20 µg/L to 13,000 µg/L.
- Toluene was detected in three (3) samples that ranged in concentration from 1,000 µg/L to 4,800 µg/L.
- Ethylbenzene was detected in five (5) samples that ranged in concentration from 33 µg/L to 1,300 µg/L.
- Total xylenes were detected in four (4) samples that ranged in concentration from 6.7 µg/L to 4,110 µg/L.

A summary of petroleum hydrocarbons and VOCs detected in groundwater is presented in Table 2. Concentrations of TPH-g and benzene detected in groundwater and isoconcentration contours for TPH and benzene in groundwater for the Third Quarter 2005 monitoring event are presented on Figures 3 and 4, respectively.

4.3. VOLATILE ORGANIC COMPOUNDS ANALYTICAL RESULTS

The frequency and range of VOCs detected in groundwater samples are as follows:

- Trichloroethene (TCE) was detected in two (2) samples (MW-12 at 130 µg/L and MW-13 at 25 µg/L).
- 1,2-dichloroethane (1,2-DCA) was not detected in any of the samples analyzed.
- Cis-1,2-dichloroethene (cis-1,2-DCE) was detected in three (3) samples (MW-8 at 1,000 µg/L, MW-12 at 34 µg/L, and MW-13 at 170 µg/L).
- Trans-1,2-dichloroethene (trans-1,2-DCE) was detected in three (3) samples (MW-8 at 35 µg/L, MW-12 at 42 µg/L, and MW-13 at 38 µg/L).
- Vinyl chloride (VC) was detected in two (2) samples (MW-8 at 60 µg/L and MW-13 at 22 µg/L).

Concentrations of TCE and cis 1,2-DCE detected in groundwater for the Third Quarter 2005 monitoring event also are presented in Figure 5.

5.0 CONCLUSIONS

Groundwater flow characteristics for the Third Quarter 2005 monitoring event appear to be relatively consistent with those estimated during previous monitoring events. TPH-g and BTEX concentrations detected in groundwater are within observed historic concentration ranges. The highest concentrations of TPH-g and benzene were detected in Wells MW-2 and MW-9, which are located within the central portion of the subject building , which is downgradient of the former UST location. Wells MW-6, MW-7, and MW-10 define the northern, western, and eastern edges of the hydrocarbon plume.

Halogenated VOCs detected in groundwater during this monitoring event include TCE and associated degradation compounds (cis-1,2-DCE, trans-1,2-DCE, and VC). VOC concentrations were detected in Wells MW-8, MW-12, and MW-13, which are located downgradient from the former UST location. The apparent changes in concentrations of VOCs indicate that the natural degradation of TCE is occurring. The source of the VOCs is unknown and appears to be originating from an off-site area. The source of the VOCs does not appear to be related to the UST release.

Report prepared by _____

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Environmental Scientist
Environmental Services

Report reviewed by: _____

Timothy G. Bodkin, C.E.G., R.E.A.
Senior Project Manager
Environmental Services

REGISTERED GEOLOGIST TIMOTHY G. BODKIN No. 1551 CERTIFIED ENGINEERING GEOLOGIST 10/07 STATE OF CALIFORNIA

October 31, 2005

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Table 1

Summary of Groundwater Elevation Data
Former Lemoine Sausage Facility
630 29th Avenue
Oakland, California

Well Identification	Date Measured	Top of Casing Elevation (ft,msl)	Depth to Water (feet)	Groundwater Elevation (ft,msl)
MW-1	9/13/2005	16.69	6.03	10.66
	6/24/2005	16.69	4.45	12.24
	3/22/2005	16.69	3.44	13.25
	12/16/2004	16.69	4.40	12.29
	9/15/2004	16.69	NM	
	6/23/2004	16.69	5.96	10.73
	4/6/2004	16.69	3.57	13.12
	12/16/2003	16.69	NM	
	9/26/2003	16.69	6.88	9.81
	6/24/2003	16.69	5.29	11.40
	3/28/2003	16.69	4.44	12.25
	12/16/2002	16.69	3.91	12.78
	9/11/2002	16.69	6.17	10.52
	6/28/2002	16.69	5.61	11.08
	3/25/2002	16.69	2.77	13.92
	12/3/2001	16.69	4.17	12.52
	9/25/2001	16.69	6.76	9.93
	6/20/2001	16.69	5.85	10.84
	3/21/2001	16.69	4.29	12.40
	12/19/2000	16.69	5.50	11.19
	9/22/2000	16.69	6.30	10.39
	6/15/2000	16.69	4.82	11.87
	2/8/1999	16.69	3.60	13.09
MW-2	9/13/2005	20.79	10.58	10.21
	6/24/2005	20.79	10.03	10.76
	3/22/2005	20.79	9.26	11.53
	12/16/2004	20.79	NM	
	9/15/2004	20.79	10.94	9.85
	6/23/2004	20.79	11.60	9.19
	4/6/2004	20.79	9.40	11.39
	12/16/2003	20.79	11.50	9.29
	9/26/2003	20.79	11.20	9.59
	6/24/2003	20.79	10.24	10.55
	3/28/2003	20.79	10.27	10.52
	12/16/2002	20.79	11.15	9.64
	9/11/2002	20.79	10.89	9.90
	6/28/2002	20.79	10.65	10.14
	3/25/2002	20.79	9.21	11.58
	12/3/2001	20.79	11.13	9.66
	9/25/2001	20.79	11.78	9.01
	6/20/2001	20.79	10.92	9.87
	3/21/2001	20.79	10.01	10.78
	12/19/2000	20.79	11.38	9.41
	9/22/2000	20.79	11.49	9.30
	6/15/2000	20.79	10.46	10.33

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630 29th Avenue
Oakland, California

Well Identification	Date Measured	Top of Casing Elevation (ft,msl)	Depth to Water (feet)	Groundwater Elevation (ft,msl)
	2/8/1999	20.79	14.20	6.59
MW-3	Removed from monitoring program in October 2001			
	9/25/2001	21.10	10.74	10.36
	6/20/2001	21.10	10.14	10.96
	3/21/2001	21.10	8.95	12.15
	12/19/2000	21.10	9.72	11.38
	9/22/2000	21.10	15.30	5.80
	6/15/2000	21.10	10.56	10.54
	2/8/1999	21.10	7.45	13.65
MW-4	Removed from monitoring program in October 2001			
	9/25/2001	17.78	7.40	10.38
	6/20/2001	17.78	6.78	11.00
	3/21/2001	17.78	5.77	12.01
	12/19/2000	17.78	6.40	11.38
	9/22/2000	17.78	6.90	10.88
	6/15/2000	17.78	6.30	11.48
	2/8/1999	17.78	4.13	13.65
MW-5	Removed from monitoring program in October 2001			
	9/25/2001	21.12	10.34	10.78
	6/20/2001	21.12	9.90	11.22
	3/21/2001	21.12	8.68	12.44
	12/19/2000	21.12	9.99	11.13
	9/22/2000	21.12	9.99	11.13
	6/15/2000	21.12	10.36	10.76
	2/8/1999	21.12	7.62	13.50
MW-6	9/13/2005	16.60	6.15	10.45
	6/24/2005	16.60	4.84	11.76
	3/22/2005	16.60	3.63	12.97
	12/16/2004	16.60	4.56	12.04
	9/15/2004	16.60	6.56	10.04
	6/23/2004	16.60	5.76	10.84
	4/6/2004	16.60	4.85	11.75
	12/16/2003	16.60	4.99	11.61
	9/26/2003	16.60	6.70	9.90
	6/24/2003	16.60	5.52	11.08
	3/28/2003	16.60	NM	
	12/16/2002	16.60	3.93	12.67
	9/11/2002	16.60	5.43	11.17
	6/28/2002	16.60	5.83	10.77
	3/25/2002	16.60	3.93	12.67
	12/3/2001	16.60	4.72	11.88
	9/25/2001	16.60	6.68	9.92

Table 1

Summary of Groundwater Elevation Data
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630 29th Avenue
Oakland, California

Well Identification	Date Measured	Top of Casing Elevation (ft,msl)	Depth to Water (feet)	Groundwater Elevation (ft,msl)
	6/20/2001	16.60	6.13	10.47
	3/21/2001	16.60	4.70	11.90
	12/19/2000	16.60	5.93	10.67
	9/22/2000	16.60	6.54	10.06
	6/15/2000	16.60	5.47	11.13
MW-7	9/13/2005	15.47	6.45	9.02
	6/24/2005	15.47	NM	
	3/22/2005	15.47	NM	
	12/16/2004	15.47	5.15	10.32
	9/15/2004	15.47	6.70	8.77
	6/23/2004	15.47	6.20	9.27
	4/6/2004	15.47	5.60	9.87
	12/16/2003	15.47	5.68	9.79
	9/26/2003	15.47	7.22	8.25
	6/24/2003	15.47	6.13	9.34
	3/28/2003	15.47	5.68	9.79
	12/16/2002	15.47	5.01	10.46
	12/17/2002	15.47	6.95	8.52
	12/18/2002	15.47	6.94	8.53
	12/19/2002	15.47	6.04	9.43
	12/20/2002	15.47	6.48	8.99
	12/21/2002	15.47	7.25	8.22
	12/22/2002	15.47	6.90	8.57
	12/23/2002	15.47	5.53	9.94
	12/24/2002	15.47	7.20	8.27
	12/25/2002	15.47	7.51	7.96
	12/26/2002	15.47	6.40	9.07
MW-8	9/13/2005	17.58	7.92	9.66
	6/24/2005	17.58	6.77	10.81
	3/22/2005	17.58	5.54	12.04
	12/16/2004	17.58	5.61	11.97
	9/15/2004	17.58	8.52	9.06
	6/23/2004	17.58	7.98	9.60
	4/6/2004	17.58	6.74	10.84
	12/16/2003	17.58	6.69	10.89
	9/26/2003	17.58	8.71	8.87
	6/24/2003	17.58	7.44	10.14
	3/28/2003	17.58	6.62	10.96
	12/16/2002	17.58	5.63	11.95
	9/11/2002	17.58	8.40	9.18
	6/28/2002	17.58	7.71	9.87
	3/25/2002	17.58	5.40	12.18
	12/3/2001	17.58	6.58	11.00
	9/25/2001	17.58	8.89	8.69

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Well Identification	Date Measured	Top of Casing Elevation (ft,msl)	Depth to Water (feet)	Groundwater Elevation (ft,msl)
	6/20/2001	17.58	7.96	9.62
	3/21/2001	17.58	6.40	11.18
	12/19/2000	17.58	7.71	9.87
	9/22/2000	17.58	8.33	9.25
	6/15/2000	17.58	7.14	10.44
MW-9	9/13/2005	17.61	6.70	10.91
	6/24/2005	17.61	6.05	11.56
	3/22/2005	17.61	5.31	12.30
	12/16/2004	17.61	5.73	11.88
	9/15/2004	17.61	7.14	10.47
	6/23/2004	17.61	7.80	9.81
	4/6/2004	17.61	5.97	11.64
	12/16/2003	17.61	6.76	10.85
	9/26/2003	17.61	8.14	9.47
	6/24/2003	17.61	6.42	11.19
	3/28/2003	17.61	6.08	11.53
	12/16/2002	17.61	6.58	11.03
	9/11/2002	17.61	6.91	10.70
	6/28/2002	17.61	7.71	9.90
	3/25/2002	17.61	4.98	12.63
	12/3/2001	17.61	5.79	11.82
MW-10	9/12/2005	16.92	6.08	10.84
	6/24/2005	16.92	4.58	12.34
	3/22/2005	16.92	3.56	13.36
	12/16/2004	16.92	4.45	12.47
	9/15/2004	16.92	6.86	10.06
	6/23/2004	16.92	5.96	10.96
	4/6/2004	16.92	4.54	12.38
	12/16/2003	16.92	4.94	11.98
	9/26/2003	16.92	6.98	9.94
	6/24/2003	16.92	5.40	11.52
	3/28/2003	16.92	4.54	12.38
	12/16/2002	16.92	3.74	13.18
	9/11/2002	16.92	6.16	10.76
	6/28/2002	16.92	5.65	11.27
	3/25/2002	16.92	3.00	13.92
	12/3/2001	16.92	4.22	12.70
MW-11	9/13/2005	14.87	6.23	8.64
	6/24/2005	14.87	5.41	9.46
	3/22/2005	14.87	4.20	10.67
	12/16/2004	14.87	4.69	10.18
	9/15/2005	14.87	6.45	8.42
	6/23/2004	14.87	5.68	9.19

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Summary of Groundwater Elevation Data
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630 29th Avenue
Oakland, California

Well Identification	Date Measured	Top of Casing Elevation (ft,msl)	Depth to Water (feet)	Groundwater Elevation (ft,msl)
	4/6/2004	14.87	5.49	9.38
	12/16/2003	14.87	5.61	9.26
	9/26/2003	14.87	7.16	7.71
	6/24/2003	14.87	5.86	9.01
	3/28/2003	14.87	5.17	9.70
	12/16/2002	14.87	3.92	10.95
	9/11/2002	14.87	6.91	7.96
	6/28/2002	14.87	6.35	8.52
	3/25/2002	14.87	4.68	10.19
	12/3/2001	14.87	5.67	9.20
MW-12	9/12/2005	14.05	6.11	7.94
	6/24/2005	14.05	4.9	9.15
	3/22/2005	14.05	3.50	10.55
	12/16/2004	14.05	4.34	9.71
	9/15/2004	14.05	6.43	7.62
	6/23/2004	14.05	5.78	8.27
	4/6/2004	14.05	5.04	9.01
	12/16/2003	14.05	4.99	9.06
	9/26/2003	14.05	6.94	7.11
	6/24/2003	14.05	5.73	8.32
	3/28/2003	14.05	5.08	8.97
	12/16/2002	14.05	4.94	9.11
	9/11/2002	14.05	6.82	7.23
	6/28/2002	14.05	6.13	7.92
MW-13	9/12/2005	13.39	6.33	7.06
	6/24/2005	13.39	5.13	8.26
	3/22/2005	13.39	4.86	8.53
	12/16/2004	13.39	4.69	8.70
	9/15/2004	13.39	6.63	6.76
	6/23/2004	13.39	6.12	7.27
	4/6/2004	13.39	5.35	8.04
	12/16/2003	13.39	5.01	8.38
	9/26/2003	13.39	6.99	6.40
	6/24/2003	13.39	5.99	7.40
	3/28/2003	13.39	5.34	8.05
	12/16/2002	13.39	3.90	9.49
	9/11/2002	13.39	6.66	6.73
	6/28/2002	13.39	6.21	7.18

Notes:

1. All top of casing elevations referenced to mean sea level (msl) and surveyed with reference to the benchmark located at Peterson Street and East 7th Street.
2. NM = Not Measured.

Table 2
Summary of Groundwater Analytical Results
Former Lemoine Sausage Facility
630 29th Avenue
Oakland, California

Sample Location	Date Sampled	TPH-g ug/L	MTBE ug/L	Benzene ug/L	Toluene ug/L	Ethylbenzene ug/L	Total Xylenes ug/L	TCE ug/L	1,2-DCA ug/L	cis-1,2-DCE ug/L	trans-1,2-DCE ug/L	VC ug/L
MW-1	9/13/2005	17,000	NA	2,700	1,000	740	1,760	<1.0	<1.0	<1.0	<1.0	<1.0
	6/24/2005	12,000	NA	2,400	450	470	940	<3.6	<3.6	<3.6	<3.6	<3.6
	3/22/2005	19,000	NA	2,400	960	530	1,330	<3.6	<3.6	<3.6	<3.6	<3.6
	12/16/2004	1,800	NA	260	89	32	119	<2.5	<2.5	<2.5	<2.5	<2.5
	9/15/2004	Not Sampled										
	6/23/2004	25,000	NA	2,700	1,700	680	2,300	<2.5	<2.5	<2.5	<2.5	<2.5
	4/6/2004	18,000	NA	2,400	1,300	550	1,730	<2.0	<2.0	<2.0	<2.0	<2.0
	12/16/2003	Not Sampled										
	9/26/2003	11,000	NA	1,200	960	370	1,600	<1.0	<1.0	<1.0	<1.0	<1.0
	6/24/2003	14,000	NA	2,400	1,400	500	2,100	<4.2	<4.2	<4.2	<4.2	<4.2
	3/28/2003	20,000	NA	2,700	1,500	650	2,300	<3.6	<3.6	<3.6	<3.6	<3.6
	12/16/2002	20,000	NA	2,800	490	500	2,300	<4.2	<4.2	<4.2	<4.2	<4.2
	9/11/2002	27,000	NA	3,200	1,900	720	3,500	<4.2	<4.2	<4.2	<4.2	<4.2
	6/28/2002	26,000	NA	3,200	1,800	640	2,900	<3.1	<3.1	<3.1	<3.1	<3.1
	3/25/2002	11,000	NA	3,200	1,200	73	1,860	<5	<5	<5	<5	<5
	12/3/2001	15,000	NA	2,800	1,200	310	1,660	<3.1	<3.1	<3.1	<3.1	<3.1
	9/26/2001	16,000	NA	1,100	130	< 10	320	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5
	6/21/2001	12,000	NA	2,000	880	180	1,180	<0.5	3.0	<0.5	<0.5	<0.5
	3/21/2000	21,000	NA	3,200	1,700	290	2,600	<2.5	<2.5	<2.5	<2.5	<2.5
	12/19/2000	25,000	NA	3,200	1,900	480	3,300	<2.5	<2.5	<2.5	<2.5	<2.5
	9/22/2000	25,000	<500	3,100	1,800	470	3,600	NA	NA	NA	NA	NA
	6/15/2000	29,000	NA	3,900	<100	1,900	4,200	<5.0	<5.0	<5.0	<5.0	<5.0
	2/8/1999	48,000	NA	3,900	6,300	970	4,300	NA	<30	NA	NA	NA
MW-2	9/13/2005	35,000	NA	13,000	1,100	1,300	2,260	<7.1	<7.1	<7.1	<7.1	<7.1
	6/24/2005	31,000	NA	12,000	1,200	810	1,380	<20	<20	<20	<20	<20
	3/22/2005	42,000	NA	9,900	1,200	1,200	2,530	<17	<17	<17	<17	<17
	12/16/2004	Not Sampled										
	9/15/2004	46,000	NA	13,000	1,300	1,400	2,710	<17	<17	<17	<17	<17
	6/23/2004	33,000	NA	8,200	1,800	870	1,930	<17	<17	<17	<17	<17
	4/6/2004	27,000	NA	7,600	1,700	630	1,420	<10	<10	<10	<10	<10
	12/16/2003	22,000	NA	10,000	2,700	1,200	2,920	<25	<25	<25	<25	<25
	9/26/2003	20,000	NA	10,000	2,100	960	2,520	<17	<17	<17	<17	<17

Table 2
Summary of Groundwater Analytical Results
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Sample Location	Date Sampled	TPH-g ug/L	MTBE ug/L	Benzene ug/L	Toluene ug/L	Ethylbenzene ug/L	Total Xylenes ug/L	TCE ug/L	1,2-DCA ug/L	cis-1,2-DCE ug/L	trans-1,2-DCE ug/L	VC ug/L
	6/24/2003	19,000	NA	10,000	1,700	1,100	2,530	<13	<13	<13	<13	<13
	3/28/2003	30,000	NA	9,300	920	930	2,000	<13	14	<13	<13	<13
	12/16/2002	6,000	NA	1,600	410	150	402	4.5	2.7	69	6.9	<2.5
	9/11/2002	23,000	NA	6,600	1,000	600	1,320	<6.3	10	<6.3	<6.3	<6.3
	6/28/2002	8,400	NA	2,200	680	21	220	<3.1	8.8	<3.1	<3.1	<3.1
	3/25/2002	21,000	NA	11,000	3,700	1,000	2,790	<17	<17	<17	<17	<17
	12/3/2001	45,000	NA	13,000	5,100	950	2,930	<7.1	14	<7.1	<7.1	<7.1
	9/26/2001	26,000	NA	12,000	3,900	590	1,960	< 10	11	< 10	< 10	< 10
	6/21/2001	30,000	NA	8,600	2,600	440	1,230	<0.5	5.6	<0.5	<0.5	<0.5
	3/23/2001	34,000	NA	10,000	3,200	410	1,220	<13	14	<13	<13	<13
	12/19/2000	43,000	NA	9,800	4,000	810	2,430	<13	21	<13	<13	<13
	9/22/2000	24,000	<500	10,000	2,700	370	1,200	NA	NA	NA	NA	NA
	6/29/2000	31,000	NA	11,000	930	4,400	250	<5.0	25	<5.0	<5.0	<5.0
	2/8/1999	41,000	NA	11,000	4,900	650	1,720	NA	60	NA	NA	NA
MW-3	Removed from sampling program in October 2001											
	9/26/2001	59,000	NA	12,000	13,000	780	3,680	< 8.3	990	< 8.3	< 8.3	< 8.3
	6/21/2001	34,000	NA	5,900	6,200	340	1,550	2.4	120	0.8	<0.5	<0.5
	3/22/2001	1,300	NA	98	67	51	104	<0.5	2.3	<0.5	<0.5	<0.5
	12/19/2000	50,000	NA	1,200	1,600	510	1,810	<8.3	350	<8.3	<8.3	<8.3
	9/22/2000	83,000	<1,000	16,000	20,000	1,300	7,000	NA	NA	NA	NA	NA
	6/29/2000	39,000	NA	7,800	630	8,000	3,400	<5.0	600	<5.0	<5.0	<5.0
	2/8/1999	35,000	NA	1,200	3,400	1,400	4,900	NA	<30	NA	NA	NA
MW-4	Removed from sampling program in October 2001											
	9/26/2001	17,000	NA	7,900	< 50	440	581	< 0.5	1.9	8.1	< 0.5	< 0.5
	6/21/2001	11,000	NA	2,300	26	570	641	<0.5	1.4	3.3	<0.5	<0.5
	3/22/2001	5,600	NA	1,100	13	310	303	<0.5	<0.5	1.6	<0.5	<0.5
	12/19/2000	2,200	NA	200	2.9	100	81.4	<0.5	<0.5	<0.5	<0.5	<0.5
	9/22/2000	12,000	<500	2,800	82	1,100	1,300	NA	NA	NA	NA	NA
	6/15/2000	2,300	NA	230	<5	10	94	<0.5	0.88	2.1	<0.5	<0.5
	2/8/1999	15,000	NA	670	90	780	940	NA	<30	NA	NA	NA

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MW-5	Removed from sampling program in October 2001											
	9/26/2001	5,100	NA	2,400	1,200	< 10	460	< 3.6	22	< 3.6	< 3.6	< 3.6
	6/21/2001	18,000	NA	3,400	2,300	350	1,020	<0.5	21	<0.5	<0.5	<0.5
	3/22/2001	6,200	NA	1,500	360	310	288	<0.5	3.3	<0.5	<0.5	<0.5
	12/19/2000	21,000	NA	3,200	1,100	1,100	1,300	<4.2	15	<4.2	<4.2	<4.2
	9/27/2000	16,000	<500	4,300	3,100	420	1,600	NA	NA	NA	NA	NA
	6/29/2000	3,900	NA	1,500	28	330	260	<0.5	36	<0.5	<0.5	<0.5
	2/8/1999	4,900	NA	780	440	230	370	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	9/13/2005	<50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/24/2005	91	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	3/22/2005	420	NA	< 0.5	< 0.5	< 0.5	0.95	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	12/16/2004	240	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	9/15/2004	<50	NA	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	< 0.5	<0.5	<0.5	<0.5
	6/23/2004	63	NA	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	0.8	<0.5	<0.5	<0.5
	4/6/2004	260	NA	< 0.5	< 0.5	< 0.5	< 0.5	<0.5	< 0.5	<0.5	<0.5	<0.5
	12/16/2003	<50	NA	< 0.5	< 0.5	< 0.5	0.88	1.7	< 0.5	0.6	<0.5	<0.5
	9/26/2003	<50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.7	< 0.5	< 0.5	< 0.5
	6/24/2003	130	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	3/28/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/16/2002	62	NA	< 0.5	0.54	3.0	8.39	0.7	1	< 0.5	< 0.5	< 0.5
	9/11/2002	120	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/28/2002	120	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.6	< 0.5	< 0.5	< 0.5
	3/25/2002	1,200	NA	22	8.0	5.7	13.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	12/3/2001	72	NA	< 0.5	< 0.5	< 0.5	<0.5	< 0.5	1.6	< 0.5	< 0.5	< 0.5
	9/25/2001	760	NA	< 0.5	< 0.5	< 0.5	2.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/21/2001	420	NA	< 0.5	< 0.5	0.59	1.00	< 0.5	0.9	< 0.5	< 0.5	< 0.5
	3/21/2001	820	NA	< 0.5	< 0.5	1.4	0.52	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	12/19/2000	320	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	9/22/2000	71	<5	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA	NA
	6/15/2000	1,100	NA	3.8	2.2	2.1	4.8	< 0.5	0.78	< 0.5	< 0.5	< 0.5
MW-7	9/12/2005	<50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

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	12/16/2002	95	NA	26	<0.5	1	<0.5	17	2.2	330	36	4.7
	9/11/2002	2,000	NA	390	1.6	39	<1.0	17	<3.6	1,000	60	91
	6/28/2002	2,200	NA	410	<1.0	40	<1.0	18	4.9	900	54	80
	3/25/2002	990	NA	280	7.2	1.4	6.8	10	3.6	790	33	49
	12/3/2001	1,200	NA	190	14	2.7	11.3	100	<2.5	650	44	31
	9/25/2001	1,500	NA	170	4.3	1.6	2.7	36	5.0	820	59	53
	6/21/2001	2,400	NA	490	<2.5	29	<2.5	28	4.9	910	48	75
	3/21/2001	3,500	NA	530	<2.5	21	<2.5	32	<3.6	760	39	58
	12/19/2000	2,700	NA	410	<2.5	4.8	<2.5	130	9.1	1,000	67	48
	9/22/2000	1,800	<25	340	<2.5	<2.5	<2.5	NA	NA	NA	NA	NA
	6/15/2000	5,400	NA	150	<5	8.9	8.7	210	<13	1,100	73	25
MW-9	9/13/2005	48,000	NA	11,000	4,800	470	4,110	<17	<17	<17	<17	<17
	6/24/2005	54,000	NA	16,000	780	1,300	5,200	<20	<20	<20	<20	<20
	3/22/2005	66,000	NA	13,000	2,000	1,200	5,800	<17	<17	<17	<17	<17
	12/16/2004	63,000	NA	15,000	1,700	1,300	5,900	<20	<20	<20	<20	<20
	9/15/2004	76,000	NA	17,000	2,200	1,500	6,600	<20	<20	<20	<20	<20
	6/23/2004	53,000	NA	12,000	2,600	1,100	4,800	<20	<20	<20	<20	<20
	4/6/2004	60,000	NA	14,000	3,100	1,300	5,500	<17	<17	<17	<17	<17
	12/16/2003	34,000	NA	14,000	4,900	940	4,700	<42	<42	<42	<42	<42
	9/26/2003	34,000	NA	12,000	5,600	880	4,700	<17	<17	<17	<17	<17
	6/24/2003	45,000	NA	15,000	9,600	1,100	5,200	<5	10	<5	<5	<5
	3/28/2003	61,000	NA	13,000	8,600	860	4,800	<20	<20	<20	<20	<20
	12/16/2002	29,000	NA	5,500	3,900	300	1,860	<5	8.9	<5	<5	<5
	9/11/2002	57,000	NA	8,300	6,100	340	4,700	<10	18	<10	<10	<10
	6/28/2002	60,000	NA	5,800	7,400	1,100	5,400	<13	<13	<13	<13	<13
	3/25/2002	71,000	NA	15,000	17,000	1,900	8,000	<31	<31	<31	<31	<31
	12/3/2001	90,000	NA	15,000	15,000	2,200	9,100	<10	<10	<10	<10	<10
MW-10	9/12/2005	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2005	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/22/2005	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/16/2004	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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	9/15/2004	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/23/2004	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	4/6/2004	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/16/2003	<50	NA	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5
	9/26/2003	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2003	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/28/2003	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/16/2002	<50	NA	<0.5	0.65	3.0	7.53	0.8	<0.5	<0.5	<0.5	<0.5
	9/11/2002	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/28/2002	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/25/2002	51	NA	2.5	3.6	0.53	2.27	<0.5	<0.5	<0.5	<0.5	<0.5
	12/3/2001	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-11	9/13/2005	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2005	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/22/2005	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/16/2004	<50	NA	1.3	<0.5	<0.5	0.59	<0.5	<0.5	<0.5	<0.5	<0.5
	9/15/2004	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/23/2004	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	4/6/2004	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/16/2003	91	NA	4.7	<0.5	<0.5	0.51	2.9	<0.5	0.9	0.6	<0.5
	9/26/2003	<50	NA	1.2	0.69	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	6/24/2003	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	3/28/2003	<50	NA	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/16/2002	160	NA	42	0.89	4.8	11.1	3.6	<0.5	1.1	<0.5	<0.5
	9/11/2002	120	NA	66	<0.5	0.74	<0.5	<0.5	<0.5	0.6	<0.5	<0.5
	6/28/2002	<50	NA	7.7	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	<0.5
	3/25/2002	130	NA	11	20	3.3	14.5	<0.5	<0.5	<0.5	<0.5	<0.5
	12/3/2001	1,600	NA	470	<0.5	3.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-12	9/12/2005	64	NA	<0.5	<0.5	<0.5	<0.5	130	<0.7	34	42	<0.7
	6/24/2005	59	NA	<0.5	<0.5	<0.5	<0.5	120	<1.0	31	39	<1.0
	3/22/2005	61	NA	<0.5	<0.5	<0.5	<0.5	95	<0.5	26	42	<0.5

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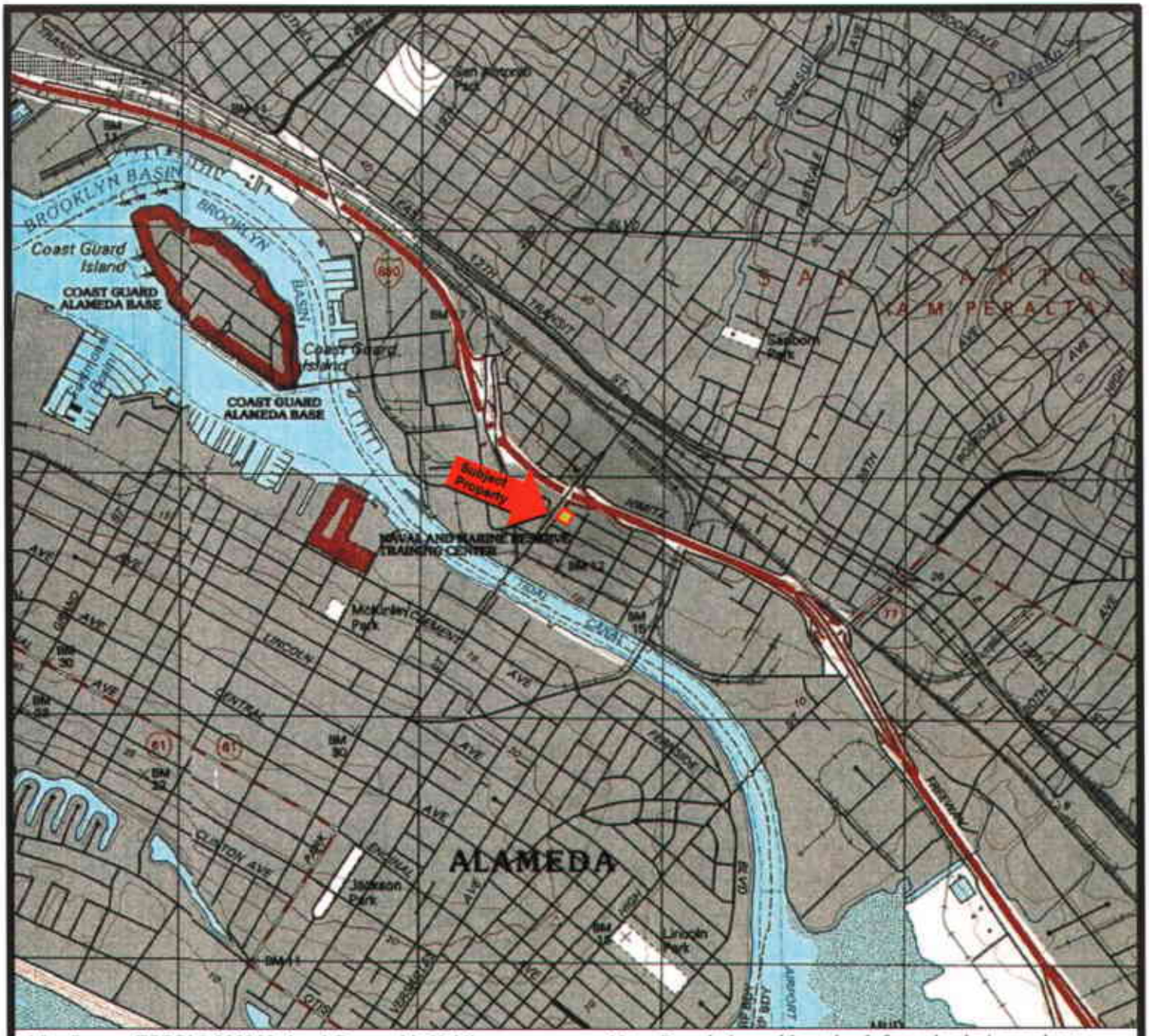
	12/16/2004	110	NA	0.94	<0.5	<0.5	<0.5	240	<2.0	80	77	<2.0
	9/15/2004	130	NA	<0.5	<0.5	<0.5	<0.5	290	<1.7	73	83	<1.7
	6/23/2004	99	NA	<0.5	<0.5	<0.5	<0.5	200	<0.5	65	74	<0.5
	4/6/2004	76	NA	<0.5	<0.5	<0.5	<0.5	160	<0.5	49	54	<0.5
	12/16/2003	120	NA	<0.5	<0.5	<0.5	0.65	140	<0.5	44	44	<0.5
	9/26/2003	230	NA	2.9	1.1	3.8	6.71	210	<0.7	60	63	<0.7
	6/24/2003	140	NA	<0.5	<0.5	<0.5	<0.5	220	<1.0	58	66	<1.0
	3/28/2003	110	NA	<0.5	<0.5	<0.5	<0.5	190	<0.7	53	53	0.9
	12/16/2002	130	NA	<0.5	0.9	4.2	9.9	200	<0.5	57	60	0.9
	9/11/2002	89	NA	<0.5	<0.5	<0.5	<0.5	180	<0.5	46	51	0.9
	6/28/2002	71	NA	<0.5	<0.5	<0.5	<0.5	170	<0.5	42	47	0.9
MW-13	9/12/2005	2,500	NA	20 c	<0.5	33	6.7 c	25	<1.3	170	38	22
	6/24/2005	2,600	NA	63	<0.5	25	4.3	42	<1.0	150	36	16
	3/22/2005	3,000	NA	24	<0.5	20	7.6	72	<0.5	120	23	6.6
	12/16/2004	4,300	NA	61	<0.5	44	11.5	69	<2.0	240	32	15
	9/15/2004	6,700	NA	84	<1.0	78	7.2	37	<1.7	300	40	31
	6/23/2004	7,000	NA	140	25	88	21	53	<2.0	350	31	25
	4/6/2004	3,300	NA	22	<1.0	37	9.0	90	<0.5	190	23	8
	12/16/2003	8,100	NA	120	36	72	26.6	66	<0.7	240	23	10
	9/26/2003	7,200	NA	150	<1.0	89	57	51	<1.0	270	23	5.1
	6/24/2003	8,300	NA	100	<0.5	94	12	68	<1.0	250	19	4.2
	3/28/2003	4,400	NA	55	<0.5	51	14.3	85	<0.5	150	13	1.8
	12/16/2002	4,800	NA	90	<0.5	85	24	76	<0.5	250	9.4	1.8
	9/11/2002	4,500	NA	58	7.5	150	14	63	<0.5	410	13	<1.3
	6/28/2002	5,600	NA	120	55	130	9.5	61	<0.5	430	14	4.4

Notes:

1. All results in micrograms per liter (µg/L).
2. NA = Not Analyzed.
3. NS = Not Sampled
4. TPH-g = Total Petroleum Hydrocarbons as Gasoline.
5. MTBE = Methyl tert-butyl ether.
6. TCE = Trichloroethene.
7. trans-1,2-DCE = trans-1,2-dichlororethene
8. cis-1,2-DCE = cis-1,2-Dichlororethene
9. VC= Vinyl Chloride.
10. 1,2-DCA = 1,2-dichloroethane.



Map Source: TOPO!© 2000 National Geographic Holdings

Note: Boundaries and Location Information is Approximate

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

Portion of the 7.5-Minute Series Oakland East, California
Quadrangle Topographic Map (Datum: NAD 27)
United States Department of the Interior
Geological Survey
1997

N

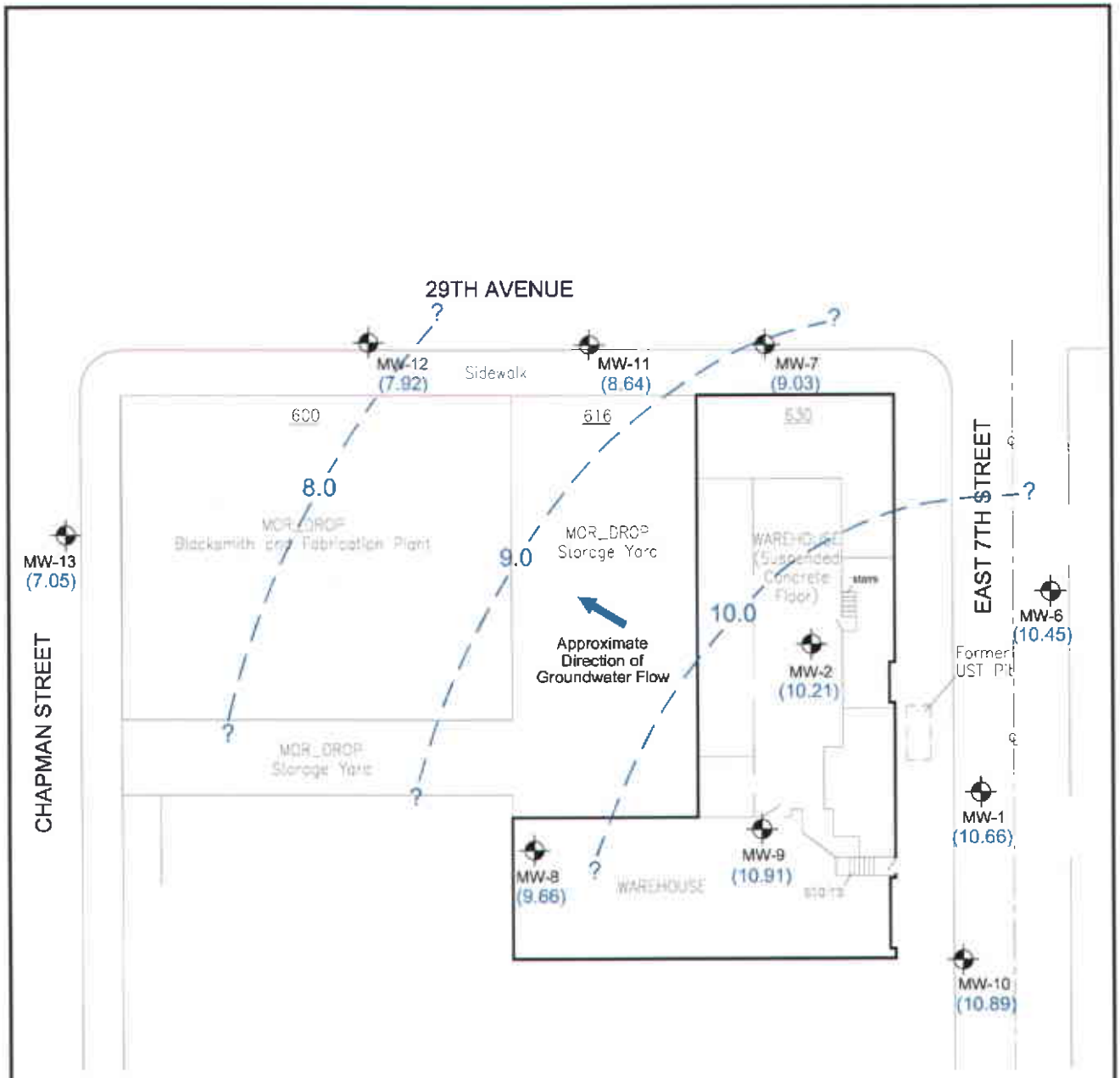
CALIF

QUADRANGLE LOCATION

PROPERTY LOCATION MAP
Former Lemoine Sausage Factory
630 29th Avenue
Oakland, California
Clayton Project No. 70-04578.00

Figure
1

Clayton GROUP SERVICES

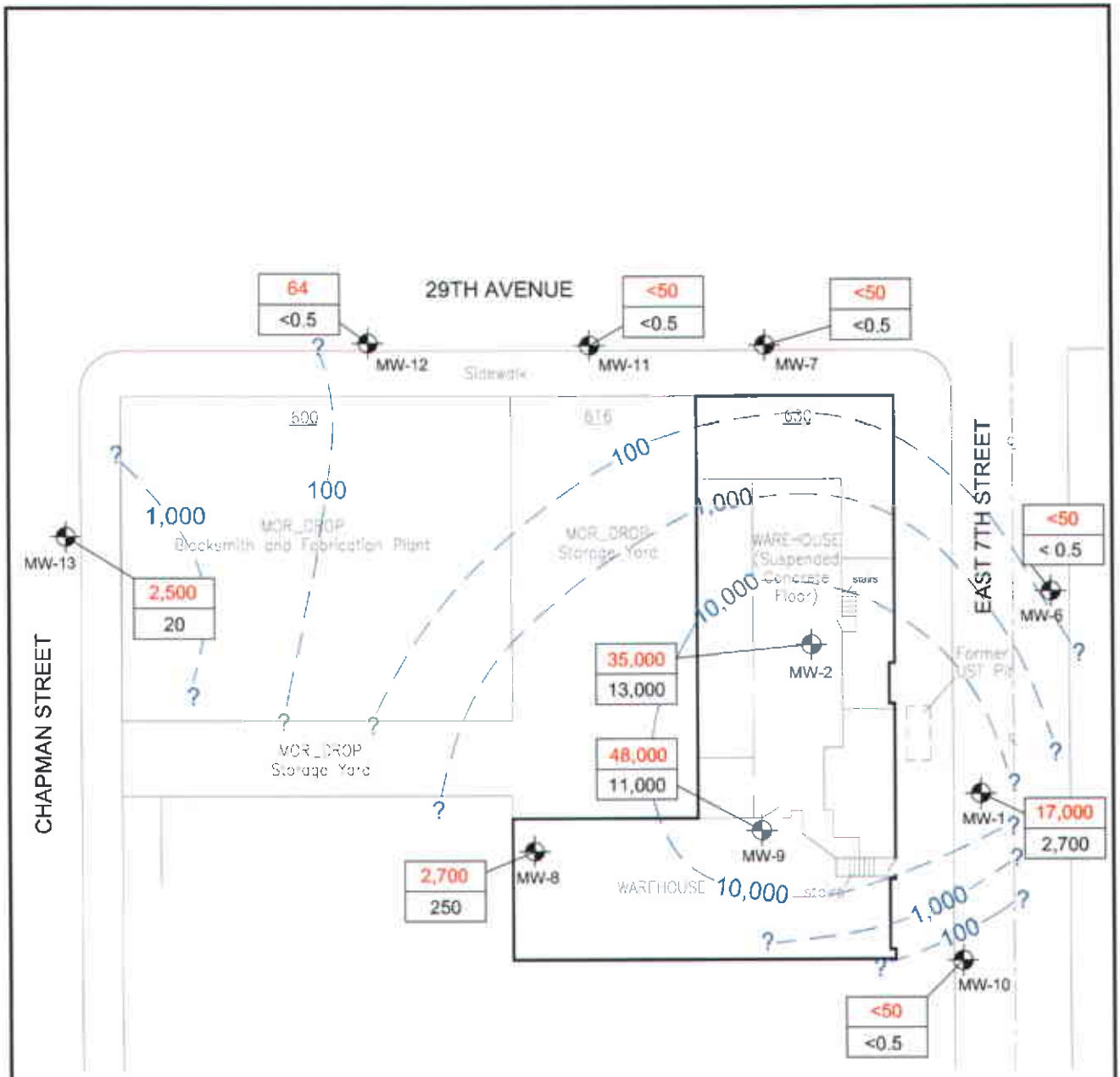


GROUNDWATER ELEVATION CONTOUR MAP, 3RD QUARTER 2005

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Clayton Project No. 70-04578.00

Figure
2
10/17/05
SITE1005.DWG

Clayton GROUP SERVICES



LEGEND:

- Existing Monitoring Well Location
- 17,000 — TPH-g Concentration (ug/L), 09/12-13/05
- 2,700 — Benzene Concentration (ug/L), 09/12-13/05
- 100 — TPH-g Isocencentration Contour (ug/L)
- TPH-g ug/L — Total Petroleum Hydrocarbons as Gasoline micrograms per liter

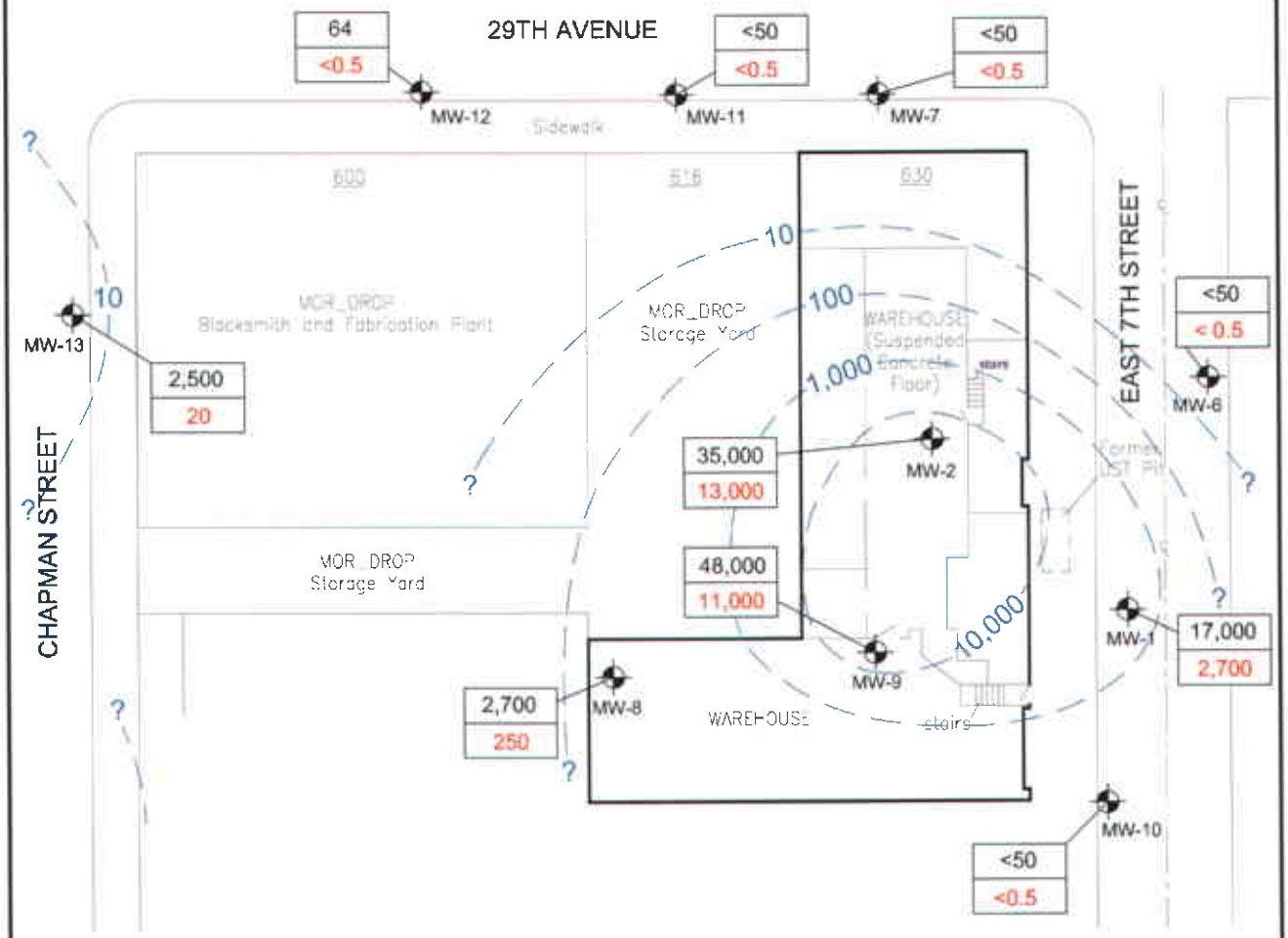
TPH-g CONCENTRATIONS IN GROUNDWATER, 3RD QUARTER 2005

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Clayton Project No. 70-04578.00

Figure 3

10/17/05
SITE1005.DWG

Clayton GROUP SERVICES



LEGEND:

- Existing Monitoring Well Location
- 17,000 — TPH-g Concentration (ug/L), 09/12-13/05
- 2,700 — Benzene Concentration (ug/L), 09/12-13/05
- 10 — Benzene Isocencentration Contour (ug/L)
- TPH-g ug/L — Total Petroleum Hydrocarbons as Gasoline micrograms per liter

0 40

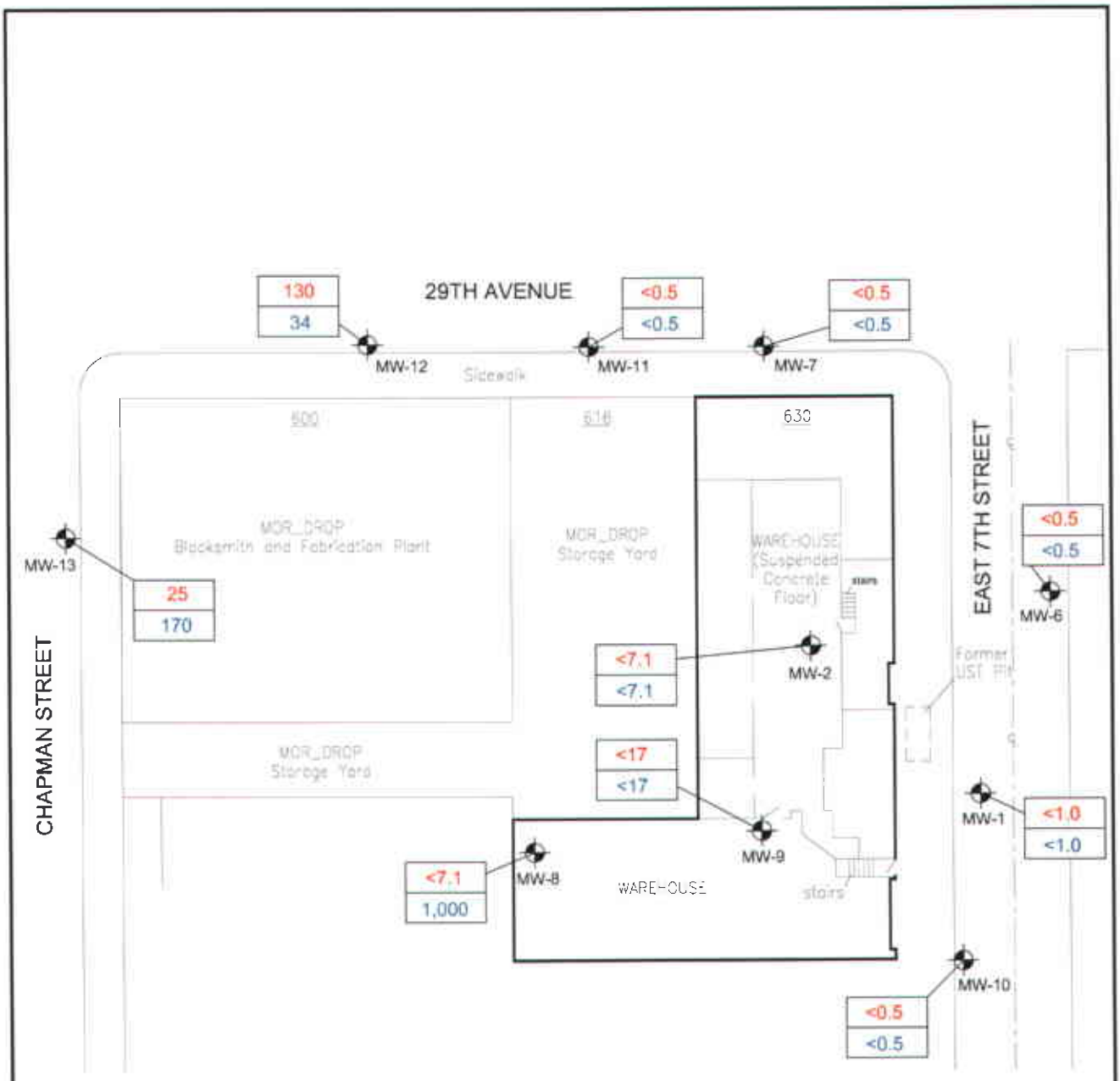
SCALE: feet

BENZENE CONCENTRATIONS IN GROUNDWATER, 3RD QUARTER 2005

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Clayton Project No. 70-04578.00

Figure
4
10/17/05
SITE1005.DWG

Clayton GROUP SERVICES



LEGEND:

MW-12 — Existing Monitoring Well Location

130 — TCE Concentration (ug/L), 09/12-13/05

34 — cis 1,2-DCE Concentration (ug/L), 09/12-13/05

TCE	Trichloroethene
cis 1,2-DCE	cis 1,2-Dichloroethene
ug/L	micrograms per liter

0 40

SCALE: feet

TCE AND cis-1,2-DCE CONCENTRATIONS IN GROUNDWATER, 3RD QUARTER 2005

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA

Clayton Project No. 70-04578.00

Figure 5

10/17/05
SITE1005.DWG

Clayton GROUP SERVICES

APPENDIX A

THIRD QUARTER 2005

GROUNDWATER SAMPLING LOGS

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-04578.00
	630 29th Avenue	Date Purged:	~~9/13/05~~ 9/13/05 not purged
	Oakland, California	Purge Method:	peri pump
Sampling Location:	**MW-1**	Date & Time Sampled:	9/13/05 1155
Top of Casing:	16.69 (ft, msl)	Sampling Method:	peri pump
Depth to Water:	~~6.44~~ 6.03	Sample Type:	TPHg/BTEX /VOCs
Groundwater Elevation	10.66	Preservatives:	HCL
Well Bottom	7.69	# of Containers:	6
Water Column:	2.97	Field Tech:	JVW
Well Casing Volume:	0.0297 (WC* 0.01)	Weather Conditions:	Cloudy
Casing Volumes Purged:			
Purge Rate:			3/4" dia well

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	Redox Potential (mVolts)	Temperature (°F or °C)	Turbidity (Visual)
12:05	0	7.79	1.12	—	17.6	slightly cloudy
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Field Notes:

odor

Bolts are stripped on well cover

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-04578.00
	630 29th Avenue	Date Purged:	9/13/05 1115
	Oakland, California	Purge Method:	peri pump
Sampling Location:	**MW-2**	Date & Time Sampled:	9/13/05 1115
Top of Casing:	20.79 (ft, msl)	Sampling Method:	peri pump
Depth to Water:	10.58	Sample Type:	TPHg/BTEX /VOCs
Groundwater Elevation	10.21	Preservatives:	HCL
Well Bottom	0.79	# of Containers:	6
Water Column:	9.42	Field Tech:	JVW
Well Casing Volume:	0.0942 (WC* 0.01)	Weather Conditions:	Cloudy (Indoors)
Casing Volumes Purged:			
Purge Rate:		3/4" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	Redox Potential (mVolts)	Temperature (°F or °C)	Turbidity (Visual)
11:20	.0	6.97	6.55	—	16.4	Cloudy
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Field Notes:

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-04578.00
	630 29th Avenue	Date Purged:	9/13/05
	Oakland, California	Purge Method:	disposable bailer
Sampling Location:	**MW-6**	Date & Time Sampled:	9/13/05 1230
Top of Casing:	16.6 (ft, msl)	Sampling Method:	disposable bailer
Depth to Water:	6.15	Sample Type:	TPHg/BTEX /VOCs
Groundwater Elevation	10.45	Preservatives:	HCL
Well Bottom	-3.40	# of Containers:	6
Water Column:	13.85	Field Tech:	JVW
Well Casing Volume:	2.216 (WC* 0.16)	Weather Conditions:	
Casing Volumes Purged:			
Purge Rate:		2" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	Redox Potential (mVolts)	Temperature (°F or °C)	Turbidity (Visual)
12:05	0	7.65	1.42	—	21.1	Clear
12:08	2.2	7.31	1.35	—	22.4	SAA
12:10	4.4	7.29	1.43	—	21.9	SAA
12:15	6.6	7.34	1.52	—	21.4	Slightly Cloudy
12:20	8.8	7.39	1.57	—	20.9	Cloudy
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Field Notes:

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-04578.00
	630 29th Avenue	Date Purged:	9/12/05
	Oakland, California	Purge Method:	disposable bailer
Sampling Location:	**MW-7**	Date & Time Sampled:	9/12/05 14:00
Top of Casing:	15.47 (ft, msl)	Sampling Method:	disposable bailer
Depth to Water:	10.44	Sample Type:	TPHg/BTEX /VOCs
Groundwater Elevation	9.03	Preservatives:	HCL
Well Bottom	-4.53	# of Containers:	6
Water Column:	13.50	Field Tech:	JVW
Well Casing Volume:	2.16 (WC* 0.16)	Weather Conditions:	Mostly Sunny
Casing Volumes Purged:			
Purge Rate:		2" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	Redox Potential (mVolts)	Temperature (°F or °C)	Turbidity (Visual)
13:35	2.2	7.72	1.29	—	20.2	mostly clear slightly cloudy
13:40	4.4	7.62	1.30	—	20.9	clear
13:45	6.6	7.65	1.32	—	20.9	clear
13:50	8.8	7.66	1.31	—	20.96	clear
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Field Notes:

no odor

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-04578.00
	630 29th Avenue	Date Purged:	9/13/05
	Oakland, California	Purge Method:	disposable bailer
Sampling Location:	**MW-8**	Date & Time Sampled:	9/13/05 1040
Top of Casing:	17.58 (ft, msl)	Sampling Method:	disposable bailer
Depth to Water:	7.92	Sample Type:	TPHg/BTEX /VOCs
Groundwater Elevation	9.66	Preservatives:	HCL
Well Bottom	-2.42	# of Containers:	6
Water Column:	12.08	Field Tech:	JVW
Well Casing Volume:	1.9328 (WC* 0.16)	Weather Conditions:	Indoors
Casing Volumes Purged:			
Purge Rate:		2" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	Redox Potential (mVolts)	Temperature (°F or °C)	Turbidity (Visual)
10 :16	0	7.49	1.85	—	16.6	Clear
10 :20	2	7.41	1.74	~	16.8	slightly cloudy
10 :25	4	7.33	1.67	~	16.7	SAA
10 :30	6	7.32	1.67	—	16.6	SAA
10 :37	8	7.23	1.70	~	16.5	SAA
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Field Notes:

Strong odor

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-04578.00
	630 29th Avenue	Date Purged:	9/13/05
	Oakland, California	Purge Method:	disposable bailer
Sampling Location:	**MW-9**	Date & Time Sampled:	9/13/05 10 00
Top of Casing:	17.61 (ft, msl)	Sampling Method:	disposable bailer
Depth to Water:	6.70	Sample Type:	TPHg/BTEX /VOCs
Groundwater Elevation	10.91	Preservatives:	HCL
Well Bottom	2.61	# of Containers:	6
Water Column:	8.30	Field Tech:	JVW
Well Casing Volume:	1.328 (WC* 0.16)	Weather Conditions:	cloudy/Indoors
Casing Volumes Purged:			
Purge Rate:		2" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	Redox Potential (mVolts)	Temperature (°F or °C)	Turbidity (Visual)
9 :44	0	7.11	15.5	—	17.3	Slightly Cloudy
9 :46	1.3	7.28	12.6	—	18.1	Slightly Cloudy
9 :49	2.6	6.94	14.3	—	18.0	SAA
9 :53	3.9	6.91	15.7	—	17.9	SAA
9 :57	5.2	6.94	16.5	—	17.7	SAA
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Field Notes:

Small amount of white material, probably ORC

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-04578.00
	630 29th Avenue	Date Purged:	9/12/05
	Oakland, California	Purge Method:	disposable bailer
Sampling Location:	**MW-10**	Date & Time Sampled:	9/12/05 1445
Top of Casing:	16.92 (ft, msl)	Sampling Method:	disposable bailer
Depth to Water:	6.03	Sample Type:	TPHg/BTEX AVOCs
Groundwater Elevation	10.89	Preservatives:	HCL
Well Bottom	7.92	# of Containers:	6
Water Column:	2.97	Field Tech:	JVW
Well Casing Volume:	0.4752 (WC* 0.16)	Weather Conditions:	Mostly Sunny
Casing Volumes Purged:			
Purge Rate:		2" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	Redox Potential (mVolts)	Temperature (°F or °C)	Turbidity (Visual)
14:28	0.5	7.75	0.734	—	24.4	Cloudy
14:32	1.0	7.74	0.739	—	24.5	Cloudy w/ sediments
14:35	1.5	7.73	0.741	—	24.6	SAA
14:38	2.0	7.76	0.750	—	24.7	SAA
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Field Notes: strong odor

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-04578.00
	630 29th Avenue	Date Purged:	9/13/05
	Oakland, California	Purge Method:	disposable bailer
Sampling Location:	**MW-11**	Date & Time Sampled:	9/13/05 1325
Top of Casing:	14.87 (ft, msl)	Sampling Method:	disposable bailer
Depth to Water:	6.23	Sample Type:	TPHg/BTEX /VOCs
Groundwater Elevation	8.64	Preservatives:	HCL
Well Bottom	-0.13	# of Containers:	6
Water Column:	8.77	Field Tech:	JVW
Well Casing Volume:	1.4032 (WC* 0.16)	Weather Conditions:	Mostly Sunny
Casing Volumes Purged:			
Purge Rate:		2" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	Redox Potential (mVolts)	Temperature (°F or °C)	Turbidity (Visual)
12:55	0	7.38	2.20	—	19.9	Clear
13:05	1.4	7.44	1.84	—	20.5	Clear
13:10	2.8	7.40	1.75	—	20.7	SAA
13:15	4.2	7.38	1.79	—	20.6	SAA
13:20	5.6	7.34	2.01	—	20.2	SAA
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Field Notes:

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-04578.00
	630 29th Avenue	Date Purged:	9/12/05
	Oakland, California	Purge Method:	disposable bailer
Sampling Location:	**MW-12**	Date & Time Sampled:	9/12/05 1305
Top of Casing:	14.05 (ft, msl)	Sampling Method:	disposable bailer
Depth to Water:	6.13	Sample Type:	TPHg/BTEX /VOCs
Groundwater Elevation	7.92	Preservatives:	HCL
Well Bottom	-0.95	# of Containers:	6
Water Column:	8.87	Field Tech:	JVW
Well Casing Volume:	1.4192 (WC* 0.16)	Weather Conditions:	Partly Sunny
Casing Volumes Purged:			
Purge Rate:		2" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	Redox Potential (mVolts)	Temperature (°F or °C)	Turbidity (Visual)
12:35	1.4	~~7.43~~ 7.43	2.24	—	20.~~8~~ 50	clear
12:50	2.8	7.44	2.21	—	21.1	clear
12:53	4.2	7.44	2.22	—	21.0	clear
12:57	5.6	7.44	2.21	—	20.8	clear
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Field Notes:

mild odor

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-04578.00
	630 29th Avenue	Date Purged:	9/12/05
	Oakland, California	Purge Method:	disposable bailer
Sampling Location:	**MW-13**	Date & Time Sampled:	9/12/05 12:00
Top of Casing:	13.39 (ft, msl)	Sampling Method:	disposable bailer
Depth to Water:	6.34	Sample Type:	TPHg/BTEX /VOCs
Groundwater Elevation	7.05	Preservatives:	HCL
Well Bottom	-1.61	# of Containers:	6
Water Column:	~~8.68~~ 8.66	Field Tech:	JVW
Well Casing Volume:	1.3856 (WC* 0.16)	Weather Conditions:	cloudy/cool
Casing Volumes Purged:			
Purge Rate:		2" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	Redox Potential (mVolts)	Temperature (°F or °C)	Turbidity (Visual)
11:34	1.4	7.65	1.12	—	21.5	cloudy
11:38	2.8	7.54	1.12	—	21.4	cloudy
11:42	4.2	7.5	1.13	—	21.5	cloudy
11:46	5.6	7.45	1.12	—	21.2	cloudy
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Field Notes: medium to strong odor (sweet)

APPENDIX B

THIRD QUARTER 2005

LABORATORY ANALYTICAL DATA SHEETS AND CHAIN-OF-CUSTODY DOCUMENTATION

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

Clayton Group Services
6920 Koll Center Parkway
Suite 216
Pleasanton, CA 94566

Date: 29-SEP-05
Lab Job Number: 181862
Project ID: 70-04578.00
Location: Sausage Factory

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	181862
Client:	Clayton Group Services
Project:	70-04578.00
Location:	Sausage Factory
Request Date:	09/13/05
Samples Received:	09/13/05

This hardcopy data package contains sample and QC results for ten water samples, requested for the above referenced project on 09/13/05. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B):
High surrogate recovery was observed for bromofluorobenzene (FID) in MW-13 (lab # 181862-010); the corresponding trifluorotoluene (FID) surrogate recovery was within limits. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

181862

REQUEST FOR LABORATORY ANALYTICAL SERVICES

Clayton GROUP SERVICES

IMPORTANT
Date Results Requested: Standard TAT
Rush Charges Authorized? ☐ Yes ☒ No
☒ Fax or ☒ E-mail Results
E-mail address: tbodkin@claytongrp.com; jwilson@claytongrp.com

Page 1 of

For Clayton Use Only
Clayton Lab Project No.

REPORT RESULTS TO
Name: Tim Bodkin
Company: Clayton Group Services
Mailing Address: 6920 Koll Center Parkway #216
City, State, Zip: Pleasanton, CA 94566
Telephone No.: 925-426-2626 FAX No.: 925-426-0106

Client Job No.: 70-04578.00
Dept.: ES

SEND INVOICE TO
Name: Sausage Factory
Company: SAME AS LEFT Dept.
Address:
City, State, Zip:

Purchase Order No.:

Special instructions and/or specific regulatory requirements: (method, limit of detection, etc.)

* Explanation of Preservative

Soils: Which state are these from?

Waters:
☐ Drinking Water
☒ Groundwater
☐ Wastewater

ANALYSIS REQUESTED
(Enter an 'X' in the box below to indicate request. Enter a 'P' if Preservative added.*)

	CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME SAMPLED	MATRIX/ MEDIA	AIR VOLUME (specify units)	Number of Containers	TPH-g 8015B	BTEX 8021B	HVOC's 8260B	FOR LAB USE ONLY
-1	MW-1	9/13/05	1155	GW		6	X	X	X	
-2	MW-2	9/13/05	1115	GW			X	X	X	
-3	MW-6	9/13/05	1230				X	X	X	
-4	MW-7	9/12/05	1400				X	X	X	
-5	MW-8	9/13/05	1040				X	X	X	
-6	MW-9	9/13/05	1000				X	X	X	
-7	MW-10	9/12/05	1445				X	X	X	
-8	MW-11	9/13/05	1325				X	X	X	
-9	MW-12	9/12/05	1305				X	X	X	
-10	MW-13	9/12/05	1200				X	X	X	

CHAIN OF CUSTODY

Collected by: Jeremy Wilson (print) Collector's Signature:
Relinquished by: Date/Time 14:40
Relinquished by: Date/Time
Method of Shipment:
Authorized by: (Client Signature MUST Accompany Request) Date

Received by: Pat Date/Time 9/13/05 2:40
Received by: Date/Time
Received at Lab by: Date/Time
Sample Condition Upon Receipt: ☐ Acceptable ☐ Other (explain)

Please return completed form and samples to one of the Clayton Group Services, Inc. labs listed below:

Detroit Regional Lab
22345 Roethel Drive
Novi, MI 48375
(800) 806-5887
(248) 344-1770
FAX (248) 344-2655

Atlanta Regional Lab
3380 Chastain Meadows Parkway, Suite 300
Kennesaw, GA 30144
(800) 252-9919
(770) 499-7500
FAX (770) 423-4990

Seattle Regional Lab
4636 E. Marginal Way S., Suite 140
Seattle, WA 98134
(800) 568-7755
(206) 763-7364
FAX (206) 763-4189

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White = Clayton Laboratory
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Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00		
Matrix:	Water	Batch#:	105744
Units:	ug/L	Received:	09/13/05

Field ID:	MW-1	Diln Fac:	10.00
Type:	SAMPLE	Sampled:	09/13/05
Lab ID:	181862-001	Analyzed:	09/14/05

Analyte	Result	RL	Analysis
Gasoline C7-C12	17,000	500	EPA 8015B
Benzene	2,700	5.0	EPA 8021B
Toluene	1,000	5.0	EPA 8021B
Ethylbenzene	740	5.0	EPA 8021B
m,p-Xylenes	1,200	5.0	EPA 8021B
o-Xylene	560	5.0	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	121	62-141	EPA 8015B
Bromofluorobenzene (FID)	112	78-134	EPA 8015B
Trifluorotoluene (PID)	91	67-127	EPA 8021B
Bromofluorobenzene (PID)	94	80-122	EPA 8021B

Field ID:	MW-2	Diln Fac:	40.00
Type:	SAMPLE	Sampled:	09/13/05
Lab ID:	181862-002	Analyzed:	09/14/05

Analyte	Result	RL	Analysis
Gasoline C7-C12	35,000	2,000	EPA 8015B
Benzene	13,000	20	EPA 8021B
Toluene	1,100	20	EPA 8021B
Ethylbenzene	1,300	20	EPA 8021B
m,p-Xylenes	1,900	20	EPA 8021B
o-Xylene	360	20	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	106	62-141	EPA 8015B
Bromofluorobenzene (FID)	111	78-134	EPA 8015B
Trifluorotoluene (PID)	84	67-127	EPA 8021B
Bromofluorobenzene (PID)	93	80-122	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00		
Matrix:	Water	Batch#:	105744
Units:	ug/L	Received:	09/13/05

Field ID:	MW-6	Diln Fac:	1.000
Type:	SAMPLE	Sampled:	09/13/05
Lab ID:	181862-003	Analyzed:	09/14/05

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	102	62-141	EPA 8015B
Bromofluorobenzene (FID)	111	78-134	EPA 8015B
Trifluorotoluene (PID)	82	67-127	EPA 8021B
Bromofluorobenzene (PID)	93	80-122	EPA 8021B

Field ID:	MW-7	Diln Fac:	1.000
Type:	SAMPLE	Sampled:	09/12/05
Lab ID:	181862-004	Analyzed:	09/15/05

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	100	62-141	EPA 8015B
Bromofluorobenzene (FID)	117	78-134	EPA 8015B
Trifluorotoluene (PID)	81	67-127	EPA 8021B
Bromofluorobenzene (PID)	92	80-122	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00		
Matrix:	Water	Batch#:	105744
Units:	ug/L	Received:	09/13/05

Field ID:	MW-8	Diln Fac:	2.000
Type:	SAMPLE	Sampled:	09/13/05
Lab ID:	181862-005	Analyzed:	09/14/05

Analyte	Result	RL	Analysis
Gasoline C7-C12	2,700	100	EPA 8015B
Benzene	250	1.0	EPA 8021B
Toluene	ND	1.0	EPA 8021B
Ethylbenzene	110	1.0	EPA 8021B
m,p-Xylenes	ND	1.0	EPA 8021B
o-Xylene	ND	1.0	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	137	62-141	EPA 8015B
Bromofluorobenzene (FID)	120	78-134	EPA 8015B
Trifluorotoluene (PID)	92	67-127	EPA 8021B
Bromofluorobenzene (PID)	99	80-122	EPA 8021B

Field ID:	MW-9	Diln Fac:	200.0
Type:	SAMPLE	Sampled:	09/13/05
Lab ID:	181862-006	Analyzed:	09/14/05

Analyte	Result	RL	Analysis
Gasoline C7-C12	48,000	10,000	EPA 8015B
Benzene	11,000	100	EPA 8021B
Toluene	4,800	100	EPA 8021B
Ethylbenzene	470	100	EPA 8021B
m,p-Xylenes	3,200	100	EPA 8021B
o-Xylene	910	100	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	100	62-141	EPA 8015B
Bromofluorobenzene (FID)	110	78-134	EPA 8015B
Trifluorotoluene (PID)	81	67-127	EPA 8021B
Bromofluorobenzene (PID)	92	80-122	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00		
Matrix:	Water	Batch#:	105744
Units:	ug/L	Received:	09/13/05

Field ID:	MW-10	Diln Fac:	1.000
Type:	SAMPLE	Sampled:	09/12/05
Lab ID:	181862-007	Analyzed:	09/15/05

Analyte	Result	RL	Analysis*
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	62-141	EPA 8015B
Bromofluorobenzene (FID)	116	78-134	EPA 8015B
Trifluorotoluene (PID)	80	67-127	EPA 8021B
Bromofluorobenzene (PID)	91	80-122	EPA 8021B

Field ID:	MW-11	Diln Fac:	1.000
Type:	SAMPLE	Sampled:	09/13/05
Lab ID:	181862-008	Analyzed:	09/15/05

Analyte	Result	RL	Analysis*
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	103	62-141	EPA 8015B
Bromofluorobenzene (FID)	123	78-134	EPA 8015B
Trifluorotoluene (PID)	81	67-127	EPA 8021B
Bromofluorobenzene (PID)	93	80-122	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00		
Matrix:	Water	Batch#:	105744
Units:	ug/L	Received:	09/13/05

Field ID:	MW-12	Diln Fac:	1.000
Type:	SAMPLE	Sampled:	09/12/05
Lab ID:	181862-009	Analyzed:	09/15/05

Analyte	Result	RL	Analysis
Gasoline C7-C12	64	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	99	62-141	EPA 8015B
Bromofluorobenzene (FID)	115	78-134	EPA 8015B
Trifluorotoluene (PID)	83	67-127	EPA 8021B
Bromofluorobenzene (PID)	93	80-122	EPA 8021B

Field ID:	MW-13	Diln Fac:	1.000
Type:	SAMPLE	Sampled:	09/12/05
Lab ID:	181862-010	Analyzed:	09/14/05

Analyte	Result	RL	Analysis
Gasoline C7-C12	2,500	50	EPA 8015B
Benzene	20 C	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	33	0.50	EPA 8021B
m,p-Xylenes	6.7 C	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	103	62-141	EPA 8015B
Bromofluorobenzene (FID)	148 *	78-134	EPA 8015B
Trifluorotoluene (PID)	122	67-127	EPA 8021B
Bromofluorobenzene (PID)	107	80-122	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00		
Matrix:	Water	Batch#:	105744
Units:	ug/L	Received:	09/13/05

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC308829	Analyzed:	09/14/05

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	96	62-141	EPA 8015B
Bromofluorobenzene (FID)	104	78-134	EPA 8015B
Trifluorotoluene (PID)	76	67-127	EPA 8021B
Bromofluorobenzene (PID)	85	80-122	EPA 8021B

*= Value outside of QC limits; see narrative
C= Presence confirmed, but RPD between columns exceeds 40%
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC308830	Batch#:	105744
Matrix:	Water	Analyzed:	09/14/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Benzene	20.00	19.74	99	80-120
Toluene	20.00	19.39	97	80-120
Ethylbenzene	20.00	19.63	98	80-120
m,p-Xylenes	20.00	19.11	96	80-120
o-Xylene	20.00	19.96	100	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	77	67-127
Bromofluorobenzene (PID)	88	80-122

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC308831	Batch#:	105744
Matrix:	Water	Analyzed:	09/14/05
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,954	98	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	133	62-141
Bromofluorobenzene (FID)	116	78-134

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	105744
MSS Lab ID:	181851-001	Sampled:	09/13/05
Matrix:	Water	Received:	09/13/05
Units:	ug/L	Analyzed:	09/15/05
Diln Fac:	1.000		

Type: MS Lab ID: QC308866

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.82	2,000	1,956	97	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	140	62-141
Bromofluorobenzene (FID)	128	78-134

Type: MSD Lab ID: QC308867

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,927	96	80-120	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	136	62-141
Bromofluorobenzene (FID)	122	78-134

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Halocarbons by GC/MS

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Field ID:	MW-1	Batch#:	106024
Lab ID:	181862-001	Sampled:	09/13/05
Matrix:	Water	Received:	09/13/05
Units:	ug/L	Analyzed:	09/22/05
Diln Fac:	2.000		

Analyte	Result	RL
Chloromethane	ND	2.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	2.0
Chloroethane	ND	2.0
Trichlorofluoromethane	ND	2.0
Freon 113	ND	1.0
1,1-Dichloroethene	ND	1.0
Methylene Chloride	ND	40
trans-1,2-Dichloroethene	ND	1.0
1,1-Dichloroethane	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
Chloroform	ND	2.0
1,1,1-Trichloroethane	ND	1.0
Carbon Tetrachloride	ND	1.0
1,2-Dichloroethane	ND	1.0
Trichloroethene	ND	1.0
1,2-Dichloropropane	ND	1.0
Bromodichloromethane	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
1,1,2-Trichloroethane	ND	1.0
Tetrachloroethene	ND	1.0
Dibromochloromethane	ND	1.0
Chlorobenzene	ND	1.0
Bromoform	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0
1,2-Dichlorobenzene	ND	1.0

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	81	80-125
Toluene-d8	100	80-120
Bromofluorobenzene	105	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Halocarbons by GC/MS

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Field ID:	MW-2	Batch#:	106000
Lab ID:	181862-002	Sampled:	09/13/05
Matrix:	Water	Received:	09/13/05
Units:	ug/L	Analyzed:	09/21/05
Diln Fac:	14.29		

Analyte	Result	RL
Chloromethane	ND	14
Vinyl Chloride	ND	7.1
Bromomethane	ND	14
Chloroethane	ND	14
Trichlorofluoromethane	ND	14
Freon 113	ND	7.1
1,1-Dichloroethene	ND	7.1
Methylene Chloride	ND	290
trans-1,2-Dichloroethene	ND	7.1
1,1-Dichloroethane	ND	7.1
cis-1,2-Dichloroethene	ND	7.1
Chloroform	ND	14
1,1,1-Trichloroethane	ND	7.1
Carbon Tetrachloride	ND	7.1
1,2-Dichloroethane	ND	7.1
Trichloroethene	ND	7.1
1,2-Dichloropropane	ND	7.1
Bromodichloromethane	ND	7.1
cis-1,3-Dichloropropene	ND	7.1
trans-1,3-Dichloropropene	ND	7.1
1,1,2-Trichloroethane	ND	7.1
Tetrachloroethene	ND	7.1
Dibromochloromethane	ND	7.1
Chlorobenzene	ND	7.1
Bromoform	ND	7.1
1,1,2,2-Tetrachloroethane	ND	7.1
1,3-Dichlorobenzene	ND	7.1
1,4-Dichlorobenzene	ND	7.1
1,2-Dichlorobenzene	ND	7.1

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	81	80-125
Toluene-d8	97	80-120
Bromofluorobenzene	98	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Halocarbons by GC/MS

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Field ID:	MW-6	Batch#:	106000
Lab ID:	181862-003	Sampled:	09/13/05
Matrix:	Water	Received:	09/13/05
Units:	ug/L	Analyzed:	09/21/05
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	87	80-125
Toluene-d8	97	80-120
Bromofluorobenzene	94	80-124

ND= Not Detected
RL= Reporting Limit

8.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Halocarbons by GC/MS

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Field ID:	MW-7	Batch#:	106000
Lab ID:	181862-004	Sampled:	09/12/05
Matrix:	Water	Received:	09/13/05
Units:	ug/L	Analyzed:	09/21/05
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	88	80-125
Toluene-d8	97	80-120
Bromofluorobenzene	96	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Halocarbons by GC/MS

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Field ID:	MW-8	Batch#:	106024
Lab ID:	181862-005	Sampled:	09/13/05
Matrix:	Water	Received:	09/13/05
Units:	ug/L	Analyzed:	09/22/05
Diln Fac:	14.29		

Analyte	Result	RL
Chloromethane	ND	14
Vinyl Chloride	60	7.1
Bromomethane	ND	14
Chloroethane	ND	14
Trichlorofluoromethane	ND	14
Freon 113	ND	7.1
1,1-Dichloroethene	ND	7.1
Methylene Chloride	ND	290
trans-1,2-Dichloroethene	35	7.1
1,1-Dichloroethane	ND	7.1
cis-1,2-Dichloroethene	1,000	7.1
Chloroform	ND	14
1,1,1-Trichloroethane	ND	7.1
Carbon Tetrachloride	ND	7.1
1,2-Dichloroethane	ND	7.1
Trichloroethene	ND	7.1
1,2-Dichloropropane	ND	7.1
Bromodichloromethane	ND	7.1
cis-1,3-Dichloropropene	ND	7.1
trans-1,3-Dichloropropene	ND	7.1
1,1,2-Trichloroethane	ND	7.1
Tetrachloroethene	ND	7.1
Dibromochloromethane	ND	7.1
Chlorobenzene	ND	7.1
Bromoform	ND	7.1
1,1,2,2-Tetrachloroethane	ND	7.1
1,3-Dichlorobenzene	ND	7.1
1,4-Dichlorobenzene	ND	7.1
1,2-Dichlorobenzene	ND	7.1

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	113	80-125
Toluene-d8	99	80-120
Bromofluorobenzene	105	80-124

ND= Not Detected
RL= Reporting Limit

10.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Halocarbons by GC/MS

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Field ID:	MW-9	Batch#:	106024
Lab ID:	181862-006	Sampled:	09/13/05
Matrix:	Water	Received:	09/13/05
Units:	ug/L	Analyzed:	09/22/05
Diln Fac:	33.33		

Analyte	Result	RL
Chloromethane	ND	33
Vinyl Chloride	ND	17
Bromomethane	ND	33
Chloroethane	ND	33
Trichlorofluoromethane	ND	33
Freon 113	ND	17
1,1-Dichloroethene	ND	17
Methylene Chloride	ND	670
trans-1,2-Dichloroethene	ND	17
1,1-Dichloroethane	ND	17
cis-1,2-Dichloroethene	ND	17
Chloroform	ND	33
1,1,1-Trichloroethane	ND	17
Carbon Tetrachloride	ND	17
1,2-Dichloroethane	ND	17
Trichloroethene	ND	17
1,2-Dichloropropane	ND	17
Bromodichloromethane	ND	17
cis-1,3-Dichloropropene	ND	17
trans-1,3-Dichloropropene	ND	17
1,1,2-Trichloroethane	ND	17
Tetrachloroethene	ND	17
Dibromochloromethane	ND	17
Chlorobenzene	ND	17
Bromoform	ND	17
1,1,2,2-Tetrachloroethane	ND	17
1,3-Dichlorobenzene	ND	17
1,4-Dichlorobenzene	ND	17
1,2-Dichlorobenzene	ND	17

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	106	80-125
Toluene-d8	97	80-120
Bromofluorobenzene	99	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Halocarbons by GC/MS

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Field ID:	MW-10	Batch#:	106000
Lab ID:	181862-007	Sampled:	09/12/05
Matrix:	Water	Received:	09/13/05
Units:	ug/L	Analyzed:	09/21/05
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	89	80-125
Toluene-d8	97	80-120
Bromofluorobenzene	99	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Halocarbons by GC/MS

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Field ID:	MW-11	Batch#:	106000
Lab ID:	181862-008	Sampled:	09/13/05
Matrix:	Water	Received:	09/13/05
Units:	ug/L	Analyzed:	09/21/05
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	91	80-125
Toluene-d8	97	80-120
Bromofluorobenzene	97	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Halocarbons by GC/MS

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Field ID:	MW-12	Batch#:	106000
Lab ID:	181862-009	Sampled:	09/12/05
Matrix:	Water	Received:	09/13/05
Units:	ug/L	Analyzed:	09/21/05
Diln Fac:	1.429		

Analyte	Result	RL
Chloromethane	ND	1.4
Vinyl Chloride	ND	0.7
Bromomethane	ND	1.4
Chloroethane	ND	1.4
Trichlorofluoromethane	ND	1.4
Freon 113	ND	0.7
1,1-Dichloroethene	ND	0.7
Methylene Chloride	ND	29
trans-1,2-Dichloroethene	42	0.7
1,1-Dichloroethane	ND	0.7
cis-1,2-Dichloroethene	34	0.7
Chloroform	ND	1.4
1,1,1-Trichloroethane	ND	0.7
Carbon Tetrachloride	ND	0.7
1,2-Dichloroethane	ND	0.7
Trichloroethene	130	0.7
1,2-Dichloropropane	ND	0.7
Bromodichloromethane	ND	0.7
cis-1,3-Dichloropropene	ND	0.7
trans-1,3-Dichloropropene	ND	0.7
1,1,2-Trichloroethane	ND	0.7
Tetrachloroethene	ND	0.7
Dibromochloromethane	ND	0.7
Chlorobenzene	ND	0.7
Bromoform	ND	0.7
1,1,2,2-Tetrachloroethane	ND	0.7
1,3-Dichlorobenzene	ND	0.7
1,4-Dichlorobenzene	ND	0.7
1,2-Dichlorobenzene	ND	0.7

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	93	80-125
Toluene-d8	98	80-120
Bromofluorobenzene	99	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Purgeable Halocarbons by GC/MS

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Field ID:	MW-13	Batch#:	106024
Lab ID:	181862-010	Sampled:	09/12/05
Matrix:	Water	Received:	09/13/05
Units:	ug/L	Analyzed:	09/22/05
Diln Fac:	2.500		

Analyte	Result	RL
Chloromethane	ND	2.5
Vinyl Chloride	22	1.3
Bromomethane	ND	2.5
Chloroethane	ND	2.5
Trichlorofluoromethane	ND	2.5
Freon 113	ND	1.3
1,1-Dichloroethene	ND	1.3
Methylene Chloride	ND	50
trans-1,2-Dichloroethene	38	1.3
1,1-Dichloroethane	ND	1.3
cis-1,2-Dichloroethene	170	1.3
Chloroform	ND	2.5
1,1,1-Trichloroethane	ND	1.3
Carbon Tetrachloride	ND	1.3
1,2-Dichloroethane	ND	1.3
Trichloroethene	25	1.3
1,2-Dichloropropane	ND	1.3
Bromodichloromethane	ND	1.3
cis-1,3-Dichloropropene	ND	1.3
trans-1,3-Dichloropropene	ND	1.3
1,1,2-Trichloroethane	ND	1.3
Tetrachloroethene	ND	1.3
Dibromochloromethane	ND	1.3
Chlorobenzene	ND	1.3
Bromoform	ND	1.3
1,1,2,2-Tetrachloroethane	ND	1.3
1,3-Dichlorobenzene	ND	1.3
1,4-Dichlorobenzene	ND	1.3
1,2-Dichlorobenzene	ND	1.3

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	93	80-125
Toluene-d8	95	80-120
Bromofluorobenzene	93	80-124

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	106000
Units:	ug/L	Analyzed:	09/21/05
Diln Fac:	1.000		

Type: BS Lab ID: QC309941

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	26.63	107	74-124
Trichloroethene	25.00	26.40	106	79-120
Chlorobenzene	25.00	25.73	103	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	97	80-125
Toluene-d8	98	80-120
Bromofluorobenzene	96	80-124

Type: BSD Lab ID: QC309942

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	25.16	101	74-124	6	20
Trichloroethene	25.00	25.68	103	79-120	3	20
Chlorobenzene	25.00	25.43	102	80-120	1	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	95	80-125
Toluene-d8	98	80-120
Bromofluorobenzene	97	80-124

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC309943	Batch#:	106000
Matrix:	Water	Analyzed:	09/21/05
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	98	80-125
Toluene-d8	98	80-120
Bromofluorobenzene	100	80-124

ND= Not Detected
RL= Reporting Limit

16.0

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	106024
Units:	ug/L	Analyzed:	09/22/05
Diln Fac:	1.000		

Type: BS Lab ID: QC310035

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	29.24	117	74-124
Trichloroethene	25.00	27.17	109	79-120
Chlorobenzene	25.00	27.39	110	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	99	80-125
Toluene-d8	98	80-120
Bromofluorobenzene	96	80-124

Type: BSD Lab ID: QC310036

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	27.79	111	74-124	5	20
Trichloroethene	25.00	26.97	108	79-120	1	20
Chlorobenzene	25.00	26.68	107	80-120	3	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	99	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	94	80-124

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	181862	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC310037	Batch#:	106024
Matrix:	Water	Analyzed:	09/22/05
Units:	ug/L		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	ND	0.5
cis-1,2-Dichloroethene	ND	0.5
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
cis-1,3-Dichloropropene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
Chlorobenzene	ND	0.5
Bromoform	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	100	80-125
Toluene-d8	96	80-120
Bromofluorobenzene	104	80-124

ND= Not Detected
RL= Reporting Limit