RO. 334

6920 Koll Center Parkway
Suite 216
Pleasanton, CA 94566
925.426.2600
Fax 925.426.0106

Clayton GROUP SERVICES

October 18, 2004

Mr. Amir Gholami
Hazardous Materials Specialists
ALAMEDA COUNTY ENVIROMENTAL HEALTH
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Clayton Project No.70-04578.00

Subject: Third Quarter 2004 Groundwater Monitoring Results for the property at 630 29th Avenue in Oakland, California

Dear Mr. Gholami:

Clayton is pleased to present the results for the Third Quarter 2004 groundwater monitoring event performed at 630 29th Avenue in Oakland, California.

If you have any comments or questions regarding the report please contact Clayton at (925) 426-2600.

Sincerely,

Mathew Reimer
Staff Environmental Consultant
Environmental Services

Donald A. Ashton
Senior Geologist
Environmental Services
San Francisco Regional Office

DAA/daa

cc: Bob Pender — AIG Technical Services
Donna Profitt — Bank of America
Rita Repko — Clayton Group Services

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Third Quarter 2004
Groundwater Monitoring Report
for the
Former Lemoine Sausage Facility
630 29th Avenue
Oakland, California

Clayton Project No. 70-04578.00

October 18, 2004

Prepared by:

CLAYTON GROUP SERVICES, INC.
6920 Koll Center Parkway
Suite 216
Pleasanton, California
925.426.2600

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1.0 INTRODUCTION

Clayton Group Services, Inc., (Clayton) has prepared the following Third Quarter 2004 Groundwater Monitoring Report for the former Lemoine Sausage Facility located at 630 29th Avenue in Oakland, California (Figure 1). The groundwater monitoring is performed pursuant to a request from the Alameda County Environmental Health (ACEH) made in a 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 determine groundwater flow conditions and water quality beneath the site. Groundwater samples are collected and analyzed for total petroleum hydrocarbons as gasoline (TPH-g) and associated compounds benzene, toluene, ethylbenzene and total xylenes (BTEX), and 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 2004 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 and 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 currently exist in the first encountered water bearing zone to test groundwater conditions at and near the site. First encountered water beneath the site occurs in predominantly low permeability clayey and sandy silt. Analysis of groundwater samples for volatile organic compounds revealed several non-gasoline related halogenated volatile organic compounds (HVOCs) in wells located south and southwest of the former UST location. The source of non-gasoline related VOCs, which has not been identified, is most likely related to an off-site source.

3.0 GROUNDWATER MONITORING FIELD ACTIVITIES

The following discussion describes field methods used to obtain depth to water measurements and collect groundwater samples. Groundwater samples were collected from nine monitoring wells (MW-2, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12

and MW-13). One of the monitoring wells, MW-1, was inaccessible because of a parked car.

3.1. GROUNDWATER LEVEL MEASUREMENTS

On September 15, 2004, depth to water was measured in 9 of the 10 exisiting monitoring wells to determine the groundwater elevation, gradient and flow direction. The wells were opened and allowed to stabilize prior to measuring the depth to water. Using an electronic water level probe, the depth to water in each well was measured from the surveyed reference elevation represented as a V-notch at the top of the casing (TOC) to the water surface within the well casing. By subtracting the measured depth to water from the TOC elevation in each monitoring well, the groundwater elevation at each monitoring point was calculated.

3.2. GROUNDWATER PURGING

Two monitoring wells (MW-1 and MW-2) are constructed with ¾-inch diameter PVC well casings and eight monitoring wells (MW-6 through MW-13) are constructed with 2-inch diameter PVC well casings. Prior to collecting a groundwater sample from each monitoring well, approximately four well casing volumes of water were removed or the well casing was purged dry. The ¾-inch diameter wells were purged using a peristaltic pump and ¼-inch polytubing, and the 2-inch diameter wells were purged by hand bailing with a 1-liter Teflon bailer. 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 the monitoring well.

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 (reported in well construction details).

Field logs documenting water-level measurements and well purging and sampling for the Third Quarter 2004 monitoring event are presented in Appendix A. Groundwater purged from monitoring wells during sampling was stored onsite in sealed 55-gallon drums meeting U.S. Department of Transporation (USDOT) regulations and labeled with identifying information. The waste was later manifested and removed from the site by a licensed hauler as hazardous waste.

3.3. GROUNDWATER SAMPLING

Prior to collecting a groundwater sample from each monitoring well, the well casing was allowed to recharge to 80-percent of the pre-purged water volume. Groundwater samples for laboratory analyses were retrieved using either a peristaltic pump with polytubing or a new disposable bailer. The groundwater retrieved for analyses was transferred into appropriately sized and preserved laboratory supplied containers. Sample containers were sealed, labeled with identifying information, logged onto the chain-of-custody, and temporarily stored in a chilled ice-chest while awaiting transportation to the laboratory.

3.4. LABORATORY ANALYSES

Groundwater samples were submitted for analysis to Curtis and Tompkins, Ltd., Analytical Laboratories of Berkeley, California, a State of California certified laboratory. The samples were analyzed by one or more of the following United States Environmental Protection Agency (USEPA) approved analytical methods:

- USEPA Method 8015B for Total Petroleum Hydrocarbons as Gasoline (TPH-g)
- USEPA Method 8021B for Aromatic Hydrocarbons (Benzene, Toluene, Ethylbenzene, and total Xylenes) (BTEX)
- USEPA Method 8260B for Halogenated Volatile Organic Compounds (HVOCs)

Certified analytical data sheets and chain-of-custody documentation for the Third Quarter 2004 groundwater-sampling event are presented in Appendix B.

4.0 FINDINGS

The following discussion presents an interpretation of groundwater flow conditions and water quality at the site based on the results obtained from field measurements and laboratory analyses.

4.1. GROUNDWATER FLOW CONDITIONS

A groundwater elevation contour (water table) map was produced by using the surveyed monitoring well coordinates to produce contouring lines of equal elevation using the groundwater elevation data points for this monitoring event. The magnitude of the local groundwater gradient was determined using groundwater elevations from monitoring wells MW-1 and MW-12. The direction of groundwater flow is inferred to be perpendicular to the piezometric equipotential contours. For the Third Quarter 2004 monitoring event, the groundwater gradient was determined to be 0.012 feet per foot (ft/ft) towards the west-southwest.

Historical depth to water measurements and groundwater elevation data are presented in Table 1. The Third Quarter 2004 groundwater elevation contour map and the approximate groundwater flow direction is presented on Figure 2.

4.2. PETROLEUM AND AROMATIC HYDROCARBONS

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

- TPH-g was detected in 5 of 9 samples that ranged in concentration from 130 micrograms per liter (µg/L) to 76,000 µg/L.
- Benzene was detected in 5 of 9 samples that ranged in concentration from 84 µg/L to 17,000 µg/L.

- Toluene was detected in 3 of 9 samples that ranged in concentration from 1,300 µg/L to 2,200 µg/L.
- Ethylbenzene was detected in 5 of 9 samples that ranged in concentration from 78 µg/L to 1,500 µg/L.
- Total xylene was detected in 4 of 9 samples that ranged in concentration from 7.2 µg/L to 6,600 µg/L.

A summary of petroleum hydrocarbons and HVOCs detected in groundwater samples is presented in Table 2. The concentrations of TPH-g and benzene detected in groundwater samples and isoconcentration contours for the Third Quarter 2004 monitoring event are presented in Figures 3 and 4, respectively.

4.3. HALOGENATED VOLATILE ORGANIC COMPOUNDS

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

- 1,2-Dichloroethane (1,2-DCA) was not detected in any of the wells sampled.
- Trichloroethene (TCE) was detected in 2 of 9 samples tested (MW-12 at 290 µg/L and MW-13 at 37 µg/L).
- Cis 1,2-Dichloroethene (cis 1,2-DCE) was detected in 3 of 9 samples tested (MW-8 at 1,200 µg/L, MW-12 at 73 µg/L, and MW-13 at 300 µg/L) .
- Trans 1,2-Dichloroethene (trans 1,2-DCE) was detected in 3 of 9 samples tested (MW-8 at 49 µg/L, MW-12 at 83 µg/L, and MW-13 at 40 µg/L).
- Vinyl Chloride (VC) was detected in 2 of 9 samples tested (100 µg/L at MW-8 and 31 µg/L at MW-13).

The concentrations of TCE and cis 1,2-DCE detected in groundwater samples for the Third Quarter 2004 monitoring event are presented in Figure 5.

5.0 CONCLUSION

The groundwater gradient determined for the Third Quarter 2004 monitoring event was found to be relatively consistent with past determinations. TPH-g and BTEX in groundwater are within observed historic concentration ranges. The highest concentrations of TPH-g and benzene occur in monitoring wells MW-2 and MW-9, beneath the central portion of the subject building just downgradient of the former UST location. The locations of monitoring wells MW-6, MW-7 and MW-10 define the northern, western, and eastern edge of the hydrocarbon plume.

Chlorinated volatile organic compounds (not a component of gasoline) found in downgradient monitoring well samples (wells MW-8, MW-12, and MW-13) but not near the former UST location, include TCE and its associated degradation compounds of cis-1,2-DCE, trans-1,2-DCE, and VC. These chlorinated compounds appear to be relatively stable with some indications of natural degradation. The source of the chlorinated VOCs

is unknown, appears to be originating off-site, and does not appear to be related to the gasoline release.

Report prepared by:_____

Mathew Reimer
Staff Environmental Consultant

Report reviewed by:_____

Donald A. Ashton, R.G., REA
Senior Geologist
Environmental Services
San Francisco Regional Office

October 18, 2004

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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	9/15/2004	16.69	NM	
	6/23/2004		5.96	10.73
	4/6/2004		3.57	13.12
	12/16/2003		NM	
	9/26/2003		6.88	9.81
	6/24/2003		5.29	11.40
	3/28/2003		4.44	12.25
	12/16/2002		3.91	12.78
	9/11/2002		6.17	10.52
	6/28/2002		5.61	11.08
	3/25/2002		2.77	13.92
	12/3/2001		4.17	12.52
	9/25/2001		6.76	9.93
	6/20/2001		5.85	10.84
	3/21/2001		4.29	12.40
	12/19/2000		5.50	11.19
	9/22/2000		6.30	10.39
	6/15/2000		4.82	11.87
	2/8/1999		3.60	13.09
MW-2	9/15/2004	20.79	10.94	9.85
	6/23/2004		11.60	9.19
	4/6/2004		9.40	11.39
	12/16/2003		11.50	9.29
	9/26/2003		11.20	9.59
	6/24/2003		10.24	10.55
	3/28/2003		10.27	10.52
	12/16/2002		11.15	9.64
	9/11/2002		10.89	9.90
	6/28/2002		10.65	10.14
	3/25/2002		9.21	11.58
	12/3/2001		11.13	9.66
	9/25/2001		11.78	9.01
	6/20/2001		10.92	9.87
	3/21/2001		10.01	10.78
	12/19/2000		11.38	9.41
	9/22/2000		11.49	9.30
	6/15/2000		10.46	10.33
	2/8/1999		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		10.14	10.96
	3/21/2001		8.95	12.15
	12/19/2000		9.72	11.38
	9/22/2000		15.30	5.80
	6/15/2000		10.56	10.54
	2/8/1999		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		6.78	11.00
	3/21/2001		5.77	12.01
	12/19/2000		6.40	11.38
	9/22/2000		6.90	10.88
	6/15/2000		6.30	11.48
	2/8/1999		4.13	13.65

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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-5	Removed from monitoring program in October 2001			
	9/25/2001	21.12	10.34	10.78
	6/20/2001		9.90	11.22
	3/21/2001		8.68	12.44
	12/19/2000		9.99	11.13
	9/22/2000		9.99	11.13
	6/15/2000		10.36	10.76
	2/8/1999		7.62	13.50
MW-6	9/15/2004	16.60	6.56	10.04
	6/23/2004		5.76	10.84
	4/6/2004		4.85	11.75
	12/16/2003		4.99	11.61
	9/26/2003		6.70	9.90
	6/24/2003		5.52	11.08
	3/28/2003		NM	
	12/16/2002		3.93	12.67
	9/11/2002		5.43	11.17
	6/28/2002		5.83	10.77
	3/25/2002		3.93	12.67
	12/3/2001		4.72	11.88
	9/25/2001		6.68	9.92
	6/20/2001		6.13	10.47
	3/21/2001		4.70	11.90
	12/19/2000		5.93	10.67
	9/22/2000		6.54	10.06
	6/15/2000		5.47	11.13
MW-7	9/15/2004	15.47	6.70	8.77
	6/23/2004		6.20	9.27
	4/6/2004		5.60	9.87
	12/16/2003		5.68	9.79
	9/26/2003		7.22	8.25
	6/24/2003		6.13	9.34
	3/28/2003		5.68	9.79
	12/16/2002		5.01	10.46
	12/17/2002		6.95	8.52
	12/18/2002		6.94	8.53
	12/19/2002		6.04	9.43
	12/20/2002		6.48	8.99
	12/21/2002		7.25	8.22
	12/22/2002		6.90	8.57
	12/23/2002		5.53	9.94
	12/24/2002		7.20	8.27
	12/25/2002		7.51	7.96
	12/26/2002		6.40	9.07

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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-8	9/15/2004	17.58	8.52	9.06
	6/23/2004		7.98	9.60
	4/6/2004		6.74	10.84
	12/16/2003		6.69	10.89
	9/26/2003		8.71	8.87
	6/24/2003		7.44	10.14
	3/28/2003		6.62	10.96
	12/16/2002		5.63	11.95
	9/11/2002		8.40	9.18
	6/28/2002		7.71	9.87
	3/25/2002		5.40	12.18
	12/3/2001		6.58	11.00
	9/25/2001		8.89	8.69
	6/20/2001		7.96	9.62
	3/21/2001		6.40	11.18
	12/19/2000		7.71	9.87
	9/22/2000		8.33	9.25
	6/15/2000		7.14	10.44
MW-9	9/15/2004	17.61	7.14	10.47
	6/23/2004		7.80	9.81
	4/6/2004		5.97	11.64
	12/16/2003		6.76	10.85
	9/26/2003		8.14	9.47
	6/24/2003		6.42	11.19
	3/28/2003		6.08	11.53
	12/16/2002		6.58	11.03
	9/11/2002		6.91	10.70
	6/28/2002		7.71	9.90
	3/25/2002		4.98	12.63
	12/3/2001		5.79	11.82
MW-10	9/15/2004	16.92	6.86	10.06
	6/23/2004		5.96	10.96
	4/6/2004		4.54	12.38
	12/16/2003		4.94	11.98
	9/26/2003		6.98	9.94
	6/24/2003		5.40	11.52
	3/28/2003		4.54	12.38
	12/16/2002		3.74	13.18
	9/11/2002		6.16	10.76
	6/28/2002		5.65	11.27
	3/25/2002		3.00	13.92
	12/3/2001		4.22	12.70
MW-11	9/15/2005	14.87	6.45	8.42
	6/23/2004		5.68	9.19
	4/6/2004		5.49	9.38
	12/16/2003		5.61	9.26
	9/26/2003		7.16	7.71
	6/24/2003		5.86	9.01
	3/28/2003		5.17	9.70
	12/16/2002		3.92	10.95
	9/11/2002		6.91	7.96
	6/28/2002		6.35	8.52
	3/25/2002		4.68	10.19
	12/3/2001		5.67	9.20

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-12	9/15/2004	14.05	6.43	7.62
	6/23/2004		5.78	8.27
	4/6/2004		5.04	9.01
	12/16/2003		4.99	9.06
	9/26/2003		6.94	7.11
	6/24/2003		5.73	8.32
	3/28/2003		5.08	8.97
	12/16/2002		4.94	9.11
	9/11/2002		6.82	7.23
	6/28/2002		6.13	7.92
MW-13	9/15/2004	13.39	6.63	6.76
	6/23/2004		6.12	7.27
	4/6/2004		5.35	8.04
	12/16/2003		5.01	8.58
	9/26/2003		6.99	6.40
	6/24/2003		5.99	7.40
	3/28/2003		5.34	8.05
	12/16/2002		3.90	9.49
	9/11/2002		6.66	6.73
	6/28/2002		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	TPHG ug/L	MTBE ug/L	Benzene ug/L	Toluene ug/L	Ethyl benzene ug/L	Total Xylenes ug/L	1,2-DCA ug/L	TCE ug/L	cis-1,2 DCE ug/L	trans-1,2-DCE ug/L	VC ug/L
MW-1	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	3.0	<0.5	<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	<30	NA	NA	NA	NA
MW-2	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
	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	14	<13	<13	<13	<13
	12/16/2002	6,000	NA	1,600	410	150	402	2.7	4.5	69	6.9	<2.5
	9/11/2002	23,000	NA	6,600	1,000	600	1,320	10	<6.3	<6.3	<6.3	<6.3
	6/28/2002	8,400	NA	2,200	680	21	220	8.8	<3.1	<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	14	<7.1	<7.1	<7.1	<7.1
	9/26/2001	26,000	NA	12,000	3,900	590	1,960	11	< 10	< 10	< 10	< 10
	6/21/2001	30,000	NA	8,600	2,600	440	1,230	5.6	<0.5	<0.5	<0.5	<0.5
	3/23/2001	34,000	NA	10,000	3,200	410	1,220	14	<13	<13	<13	<13
	12/19/2000	43,000	NA	9,800	4,000	810	2,430	21	<13	<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	25	<5.0	<5.0	<5.0	<5.0
	2/8/1999	41,000	NA	11,000	4,900	650	1,720	60	NA	NA	NA	NA

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

Sample Location	Date Sampled	TPHG ug/L	MTBE ug/L	Benzene ug/L	Toluene ug/L	Ethyl benzene ug/L	Total Xylenes ug/L	1,2-DCA ug/L	TCE ug/L	cis-1,2 DCE ug/L	trans-1,2-DCE ug/L	VC ug/L
MW-3	Removed from sampling program in October 2001											
	9/26/2001	59,000	NA	12,000	13,000	780	3,680	990	< 8.3	< 8.3	< 8.3	< 8.3
	6/21/2001	34,000	NA	5,900	6,200	340	1,550	120	2.4	0.8	<0.5	<0.5
	3/22/2001	1,300	NA	98	67	51	104	2.3	<0.5	<0.5	<0.5	<0.5
	12/19/2000	50,000	NA	1,200	1,600	510	1,810	350	<8.3	<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	600	<5.0	<5.0	<5.0	<5.0
	2/8/1999	35,000	NA	1,200	3,400	1,400	4,900	<30	NA	NA	NA	NA
MW-4	Removed from sampling program in October 2001											
	9/26/2001	17,000	NA	7,900	< 50	440	581	1.9	< 0.5	8.1	< 0.5	< 0.5
	6/21/2001	11,000	NA	2,300	26	570	641	1.4	<0.5	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	0.88	<0.5	2.1	<0.5	<0.5
	2/8/1999	15,000	NA	670	90	780	940	<30	NA	NA	NA	NA
MW-5	Removed from sampling program in October 2001											
	9/26/2001	5,100	NA	2,400	1,200	< 10	460	22	< 3.6	< 3.6	< 3.6	< 3.6
	6/21/2001	18,000	NA	3,400	2,300	350	1,020	21	<0.5*[3]	<0.5	<0.5	<0.5
	3/22/2001	6,200	NA	1,500	360	310	288	3.3	<0.5	<0.5	<0.5	<0.5
	12/19/2000	21,000	NA	3,200	1,100	1,100	1,300	15	<4.2	<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	36	<0.5	<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	9/15/2004	<50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5*[15]	<0.5	<0.5	<0.5	<0.5
	6/23/2004	63	NA	< 0.5	< 0.5	< 0.5	< 0.5	0.8	<0.5	<0.5	<0.5	<0.5
	4/6/2004	260	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5*[12]	<0.5	<0.5	<0.5	<0.5
	12/16/2003	<50	NA	< 0.5	< 0.5	< 0.5	0.88	< 0.5	1.7	0.6	<0.5	<0.5
	9/26/2003	<50	NA	< 0.5	< 0.5	< 0.5	< 0.5	0.7*[4]	< 0.5	< 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	1.0*[4]	0.7	< 0.5	< 0.5	< 0.5
	9/11/2002	120	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5*[4]	< 0.5	< 0.5	< 0.5	< 0.5
	6/28/2002	120	NA	< 0.5	< 0.5	< 0.5	< 0.5	0.6	< 0.5	< 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	1.6*[5]	< 0.5	< 0.5	< 0.5	< 0.5
	9/25/2001	760	NA	< 0.5	< 0.5	< 0.5	2.9	< 0.5*[4]	< 0.5	< 0.5	< 0.5	< 0.5
	6/21/2001	420	NA	< 0.5	< 0.5	0.59	1.00	0.9	< 0.5	< 0.5	< 0.5	< 0.5
	3/21/2001	820	NA	< 0.5	< 0.5	1.4	0.52	< 0.5*[2]	< 0.5	< 0.5	< 0.5	< 0.5
	12/19/2000	320	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5*[1]	< 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	0.78	< 0.5	< 0.5	< 0.5	< 0.5

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Sample Location	Date Sampled	TPHG ug/L	MTBE ug/L	Benzene ug/L	Toluene ug/L	Ethyl benzene ug/L	Total Xylenes ug/L	1,2-DCA ug/L	TCE ug/L	cis-1,2 DCE ug/L	trans-1,2-DCE ug/L	VC ug/L
MW-7	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	0.75	< 0.5	1.8	0.6	< 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	< 0.5	1.6	3.7	<0.5	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	<50	NA	0.56	0.75	<0.5	0.69	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	12/3/2001	82	NA	24	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	9/25/2001	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/21/2001	<50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	3/21/2001	160	NA	59	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	12/19/2000	<50	NA	1.6	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	9/22/2000	<50	<5	2	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA	NA
	6/15/2000	1,000	NA	250	< 10	<10	16	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
MW-8	9/15/2004	4,900	NA	710	<1.0	100	<1.0	<7.1	<7.1	1,200	49	100
	6/23/2004	4,600	NA	570	2.9	100	1.5	<8.3	<8.3	1,300	50	80
	4/6/2004	3,800	NA	420	<0.5	53	1.2	3.7	4.4	1,100	39	58
	12/16/2003	1,100	NA	310	<2.5	14	<2.5	4.3	12	1,200	53	110
	9/26/2003	1,300	NA	280	3.9	38	0.85	<3.6	20	890	49	47
	6/24/2003	3,300	NA	520	<0.5	58	0.63	3.7	6.4	1,000	49	61
	3/28/2003	1,500	NA	400	<0.5	50	0.62	<2.5	3.5	700	39	41
	12/16/2002	95	NA	26	<0.5	1	<0.5	2.2	17	330	36	4.7
	9/11/2002	2,000	NA	390	1.6	39	<1.0	<3.6	17	1,000	60	91
	6/28/2002	2,200	NA	410	<1.0	40	<1.0	4.9	18	900	54	80
	3/25/2002	990	NA	280	7.2	1.4	6.8	3.6	10	790	33	49
	12/3/2001	1,200	NA	190	14	2.7	11.3	<2.5	100	650	44	31
	9/25/2001	1,500	NA	170	4.3	1.6	2.7	5.0	36	820	59	53
	6/21/2001	2,400	NA	490	<2.5	29	<2.5	4.9	28	910	48	75
	3/21/2001	3,500	NA	530	<2.5	21	<2.5	<3.6	32	760	39	58
	12/19/2000	2,700	NA	410	<2.5	4.8	<2.5	9.1	130	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	<13	210	1,100	73	25

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MW-9	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	10	<5	<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	8.9	<5	<5	<5	<5
	9/11/2002	57,000	NA	8,300	6,100	340	4,700	18	<10	<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	9/15/2004	<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	<0.5	0.6	<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	<0.5	0.8	<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	9/15/2004	<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	<0.5	2.9	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	<0.5	3.6	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	<0.5	0.6	<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

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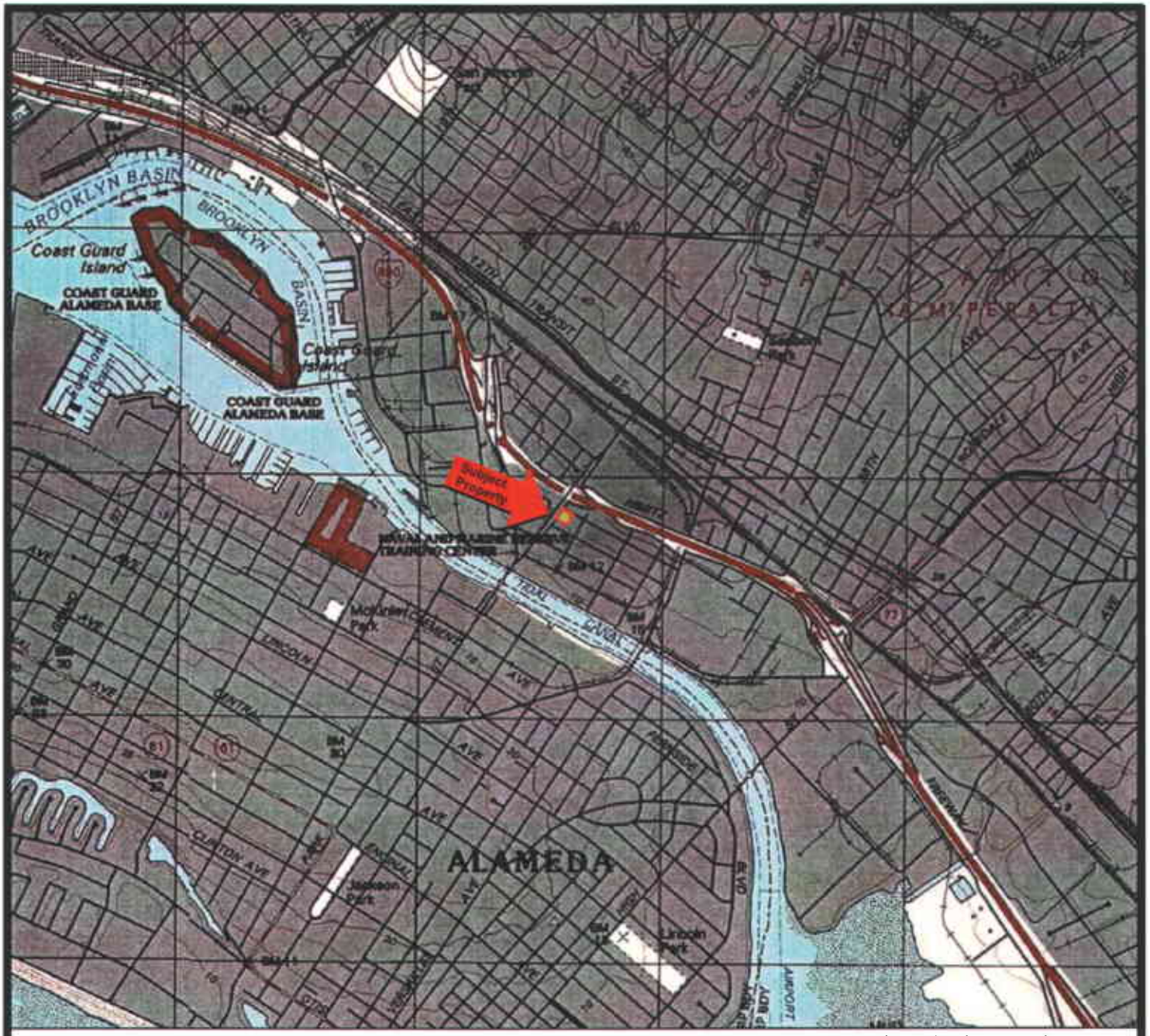
MW-12	9/15/2004	130	NA	<0.5	<0.5	<0.5	<0.5	<1.7	290	73	83	<1.7
	6/23/2004	99	NA	<0.5	<0.5	<0.5	<0.5	<0.5	200	65	74	<0.5
	4/6/2004	76	NA	<0.5	<0.5	<0.5	<0.5	<0.5	160	49	54	<0.5
	12/16/2003	120	NA	<0.5	<0.5	<0.5	0.65	<0.5	140	44	44	<0.5
	9/26/2003	230	NA	2.9	1.1	3.8	6.71	<0.7	210	60	63	<0.7
	6/24/2003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

Notes:

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

*1 1,1-DCA detected at 1.1 µg/L.
*2 1,1-DCA detected at 0.9 µg/L.
*3 Freon -11 detected at 0.6 µg/L.
*4 1,1-DCA detected at 0.9 µg/L
*5 1,1-DCA detected at 0.7 µg/L
*6 1,1-DCE detected at 4.7 µg/L
*7 1,1-DCE detected at 5.2 µg/L
*8 1,1-DCE detected at 1.9 µg/L
*9 1,1-DCE detected at 2.8 µg/L
*10 1,1-DCE detected at 1.8 µg/L
*11 1,1-DCE detected at 1.1 µg/L
*12 1,1-DCA detected at 0.5 µg/L.
*13 1,1-DCE detected at 0.8 µg/L
*14 1,1-DCE detected at 2.8 µg/L
*15 1,1-DCA detected at 0.6 µg/L
*16 1,1-DCE detected at 2.1 µg/L



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

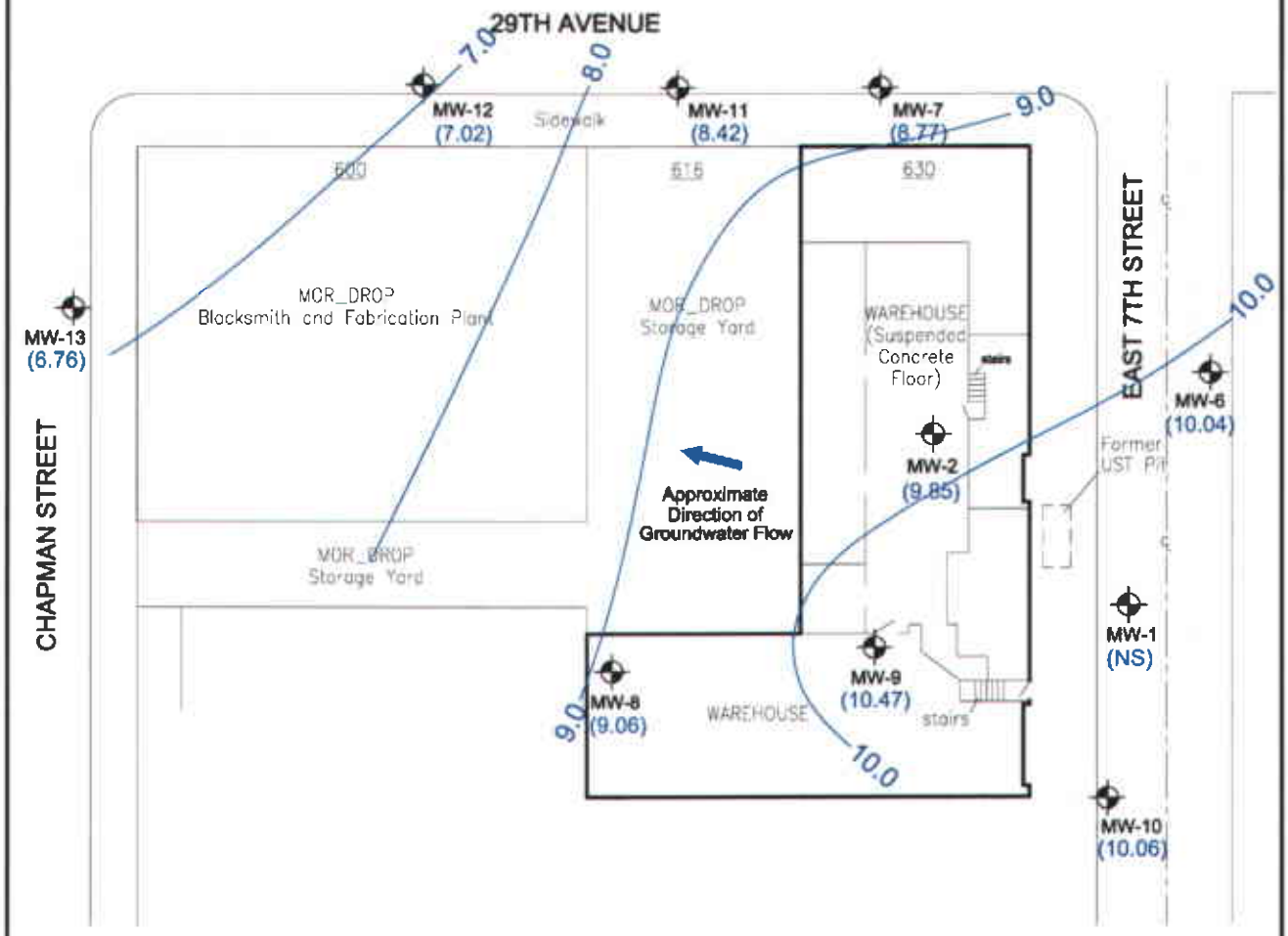
CALIF

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



LEGEND:

⌖	Existing Monitoring Well Location
(9.85)	Groundwater Elevation (ft msl), 09/15/04
10	Groundwater Surface Elevation Contour (ft msl)
ft msl	Feet Above Mean Sea Level
NS	Not Sampled

N

0 40

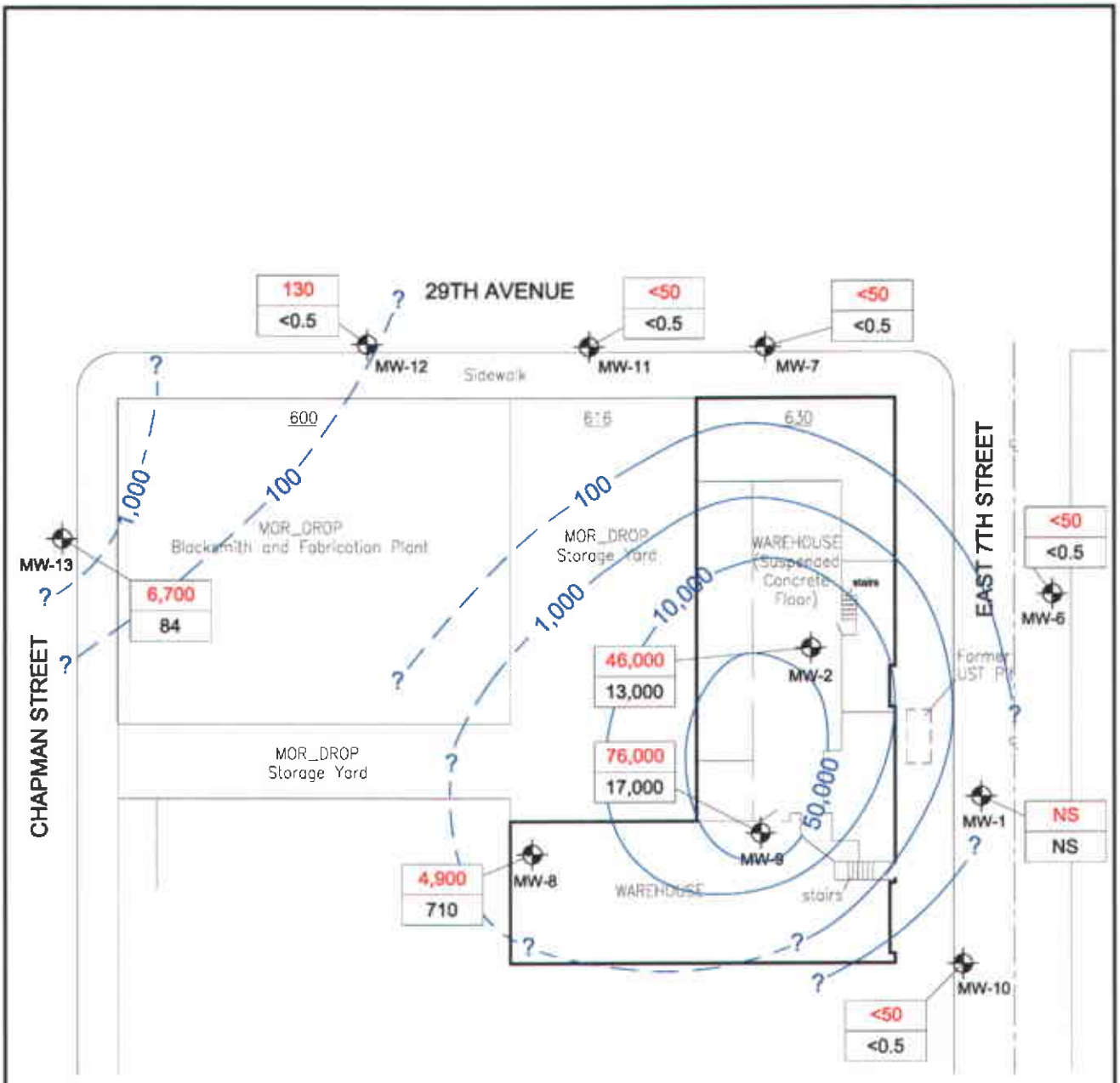
SCALE: feet

GROUNDWATER ELEVATION CONTOUR MAP, 3RD QUARTER 2004

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

Figure
2
10/15/04
SITE0904.DWG

Clayton GROUP SERVICES



LEGEND:

- Existing Monitoring Well Location
- 46,000 — TPH-g Concentration (ug/L), 09/15/04
- 13,000 — Benzene Concentration (ug/L), 09/15/04
- 100 — TPH-g Isocencentration Contour (ug/L)
- TPH-g — Total Petroleum Hydrocarbons as Gasoline
- ug/L — micrograms per liter
- NS — Not Sampled

0 40

SCALE: feet

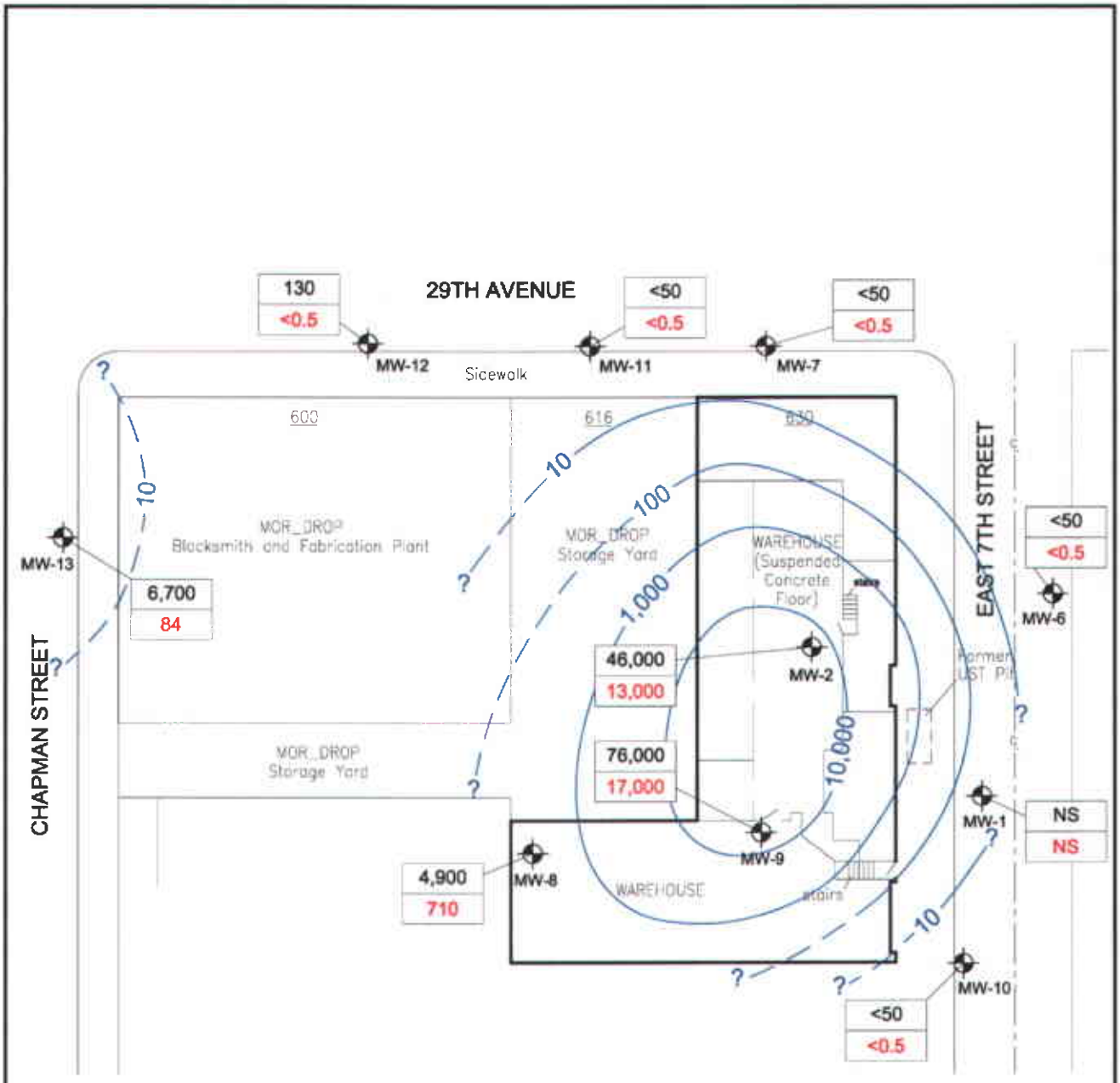
TPH-g CONCENTRATIONS IN GROUNDWATER, 3RD QUARTER 2004

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

Figure 3

10/15/04
SITE0904.DWG

Clayton GROUP SERVICES



LEGEND:

- Existing Monitoring Well Location
- 46,000 — TPH-g Concentration (ug/L), 09/15/04
- 13,000 — Benzene Concentration (ug/L), 09/15/04
- 10 — Benzene Isocencentration Contour (ug/L)
- TPH-g — Total Petroleum Hydrocarbons as Gasoline
- ug/L — micrograms per liter
- NS — Not Sampled

0 40

SCALE: feet

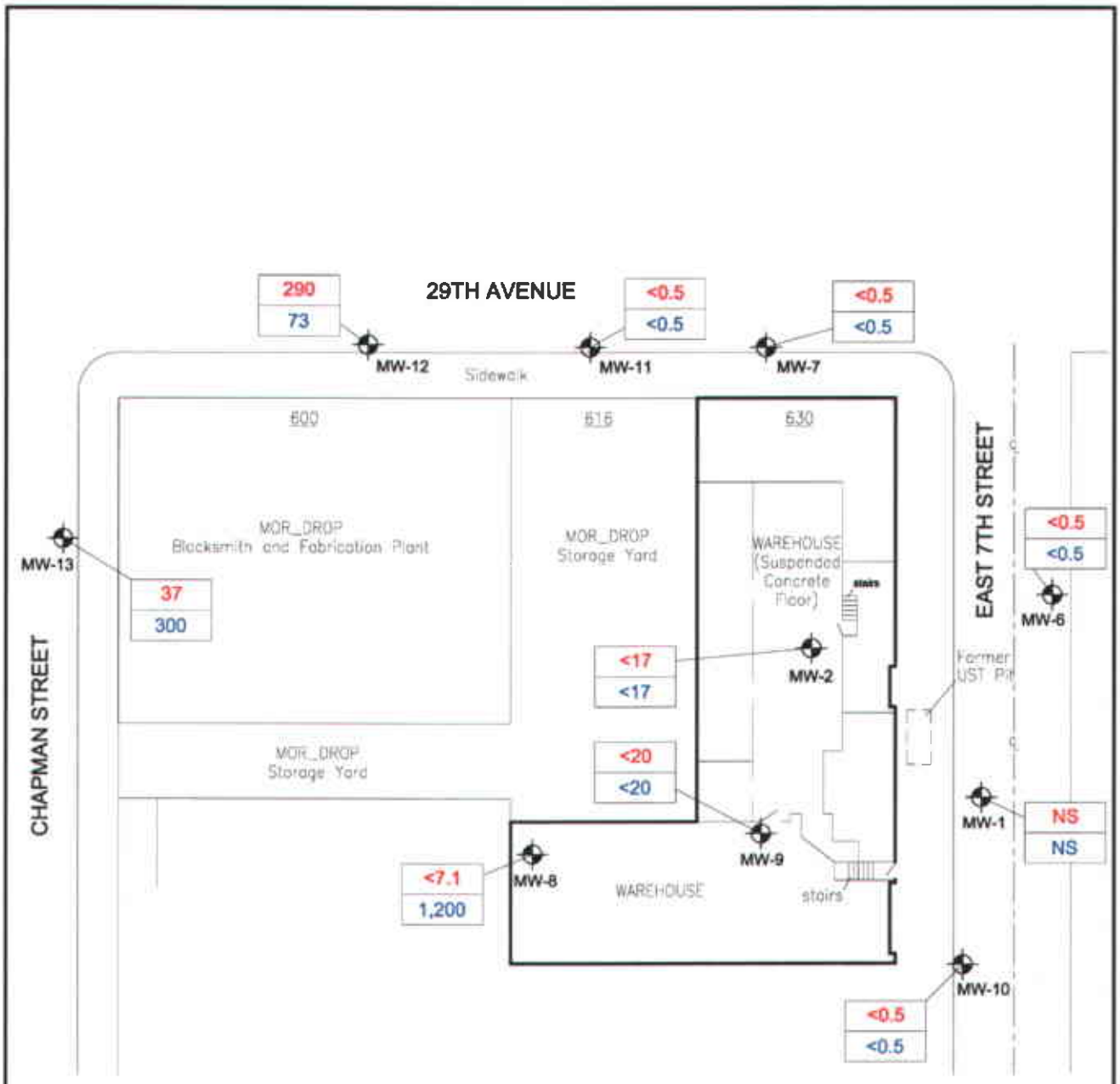
BENZENE CONCENTRATIONS IN GROUNDWATER, 3RD QUARTER 2004

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

Figure 4

10/15/04
SITE0904.DWG

Clayton GROUP SERVICES



TCE AND cis-1,2-DCE CONCENTRATIONS IN GROUNDWATER, 3RD QUARTER 2004
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Clayton Project No. 70-04578.00

Figure
5
10/15/04
SITE0904.DWG

Clayton GROUP SERVICES

APPENDIX A

THIRD QUARTER 2004

GROUNDWATER SAMPLING LOGS

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-04578.00
	630 29th Avenue	Date Purged:	9.15.04
	Oakland, California	Purge Method:	peri pump
Sampling Location:	**MW-2**	Date & Time Sampled:	9.15.04 9:20
Top of Casing:	20.79 (ft, msl)	Sampling Method:	peri pump
Depth to Water:	10.94	Sample Type:	TPHG/BTEX /8010 MS
Groundwater Elevation	9.85	Preservatives:	HCL
Well Bottom	0.79	# of Containers:	6
Water Column:	9.06	Field Tech:	MR
Well Casing Volume:	0.09 (WC* 0.01)	Weather Conditions:	sunny
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)
9:18	0	6.99	12.7	-	19.7	cloudy
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Field Notes:

One set of parameters taken due to small amount of water in well.

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-04578.00
	630 29th Avenue	Date Purged:	9.15.04
	Oakland, California	Purge Method:	disposable bailer
Sampling Location:	**MW-6**	Date & Time Sampled:	9.15.04 7:50
Top of Casing:	16.6 (ft, msl)	Sampling Method:	disposable bailer
Depth to Water:	6.56	Sample Type:	TPHG/BTEX /8010 MS
Groundwater Elevation	10.04	Preservatives:	HCL
Well Bottom	-3.40	# of Containers:	6
Water Column:	13.44	Field Tech:	MR
Well Casing Volume:	2.15 (WC* 0.16)	Weather Conditions:	Sunny
Casing Volumes Purged:	4		
Purge Rate:		2" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	~~Redox Potential (mVolts)~~	Temperature (°F or (C))	Turbidity (Visual)
7:25	0	7.45	1.43	-	22.3	clear
7:30	2.25	7.26	1.45	-	22.7	"
7:34	2.25	7.30	1.55	-	22.3	"
7:39	2.25	7.31	1.61	-	22.0	"
7:42	2.25	7.30	1.68	-	21.6	"
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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:	9.15.04
	Oakland, California	Purge Method:	disposable bailer
Sampling Location:	**MW-7**	Date & Time Sampled:	9.15.04 12:50
Top of Casing:	15.47 (ft, msl)	Sampling Method:	disposable bailer
Depth to Water:	6.70	Sample Type:	TPHG/BTEX /8010 MS
Groundwater Elevation	8.77	Preservatives:	HCL
Well Bottom	-4.53	# of Containers:	6
Water Column:	13.3	Field Tech:	MR
Well Casing Volume:	2.13 (WC* 0.16)	Weather Conditions:	sunny
Casing Volumes Purged:	4		
Purge Rate:		2" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	~~Redox Potential (mVolts)~~	Temperature (°F or (°C))	Turbidity (Visual)
12:25	0	7.80	1.39	-	23.2	clear
12:29	2.25	7.69	1.39	-	22.7	clear
12:33	2.25	7.69	1.39	-	21.9	"
12:37	2.25	7.69	1.39	-	21.4	"
12:41	2.25	7.66	1.39	-	21.0	"
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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:	9.15.04
	Oakland, California	Purge Method:	disposable bailer
Sampling Location:	**MW-8**	Date & Time Sampled:	9.15.04 8:35
Top of Casing:	17.58 (ft, msl)	Sampling Method:	disposable bailer
Depth to Water:	8.52	Sample Type:	TPHG/BTEX /8010 MS
Groundwater Elevation	9.06	Preservatives:	HCL
Well Bottom	-2.42	# of Containers:	6
Water Column:	11.48	Field Tech:	MR
Well Casing Volume:	1.84 (WC* 0.16)	Weather Conditions:	sunny
Casing Volumes Purged:	4		
Purge Rate:		2" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	~~Redox Potential (mVolts)~~	Temperature (°F or °C)	Turbidity (Visual)
8:10	0	7.96	1.88	-	17.5	clear
8:14	2	7.47	1.89	-	17.4	"
8:18	2	7.47	1.92	-	17.2	"
8:22	2	7.46	1.90	-	17.2	"
8:27	2	7.47	1.92	-	17.1	"
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Field Notes:

ODOR

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-04578.00
	630 29th Avenue	Date Purged:	9.15.04
	Oakland, California	Purge Method:	disposable bailer
Sampling Location:	**MW-9**	Date & Time Sampled:	9.15.04 9:10
Top of Casing:	17.61 (ft, msl)	Sampling Method:	disposable bailer
Depth to Water:	7.14	Sample Type:	TPHG/BTEX /8010 MS
Groundwater Elevation	10.47	Preservatives:	HCL
Well Bottom	2.61	# of Containers:	6
Water Column:	13.08	Field Tech:	MR
Well Casing Volume:	2.09 (WC* 0.16)	Weather Conditions:	Sunny
Casing Volumes Purged:	4		
Purge Rate:		2" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	~~Redox~~ Potential (~~mVolts~~)	Temperature (°F or (C))	Turbidity (Visual)
8:45	0	7.07	12.3	-	18.1	clear
8:50	2.25	6.93	12.6	-	18.2	"
8:54	2.25	6.91	14.0	-	18.0	"
8:59	2.25	6.89	15.7	-	17.9	"
9:06	2.25	6.91	17.2	-	17.8	"
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Field Notes:

odor

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-04578.00
	630 29th Avenue	Date Purged:	9.15.04
	Oakland, California	Purge Method:	disposable bailer
Sampling Location:	**MW-10**	Date & Time Sampled:	9.15.04 10:20
Top of Casing:	16.92 (ft, msl)	Sampling Method:	disposable bailer
Depth to Water:	6.86	Sample Type:	TPHG/BTEX /8010 MS
Groundwater Elevation	10.06	Preservatives:	HCL
Well Bottom	7.92	# of Containers:	6
Water Column:	2.14	Field Tech:	MR
Well Casing Volume:	0.34 (WC* 0.16)	Weather Conditions:	sunny
Casing Volumes Purged:	4		
Purge Rate:		2" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	~~Redox Potential (mVolts)~~	Temperature (°F or °C)	Turbidity (Visual)
10:00	0	7.81	1.01	-	25.4	clear
10:04	0.5	7.70	0.94	-	25.6	brown
10:07	0.5	7.69	.913	-	25.8	brown
10:10	0.5	7.71	.923	-	25.8	brown
10:13	1.5	7.74	.932	-	25.8	brown
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Field Notes:

PDCR

FIELD SAMPLING DATA SHEET

Job Location:	Former Lemoine Sausage Factory	Job #:	70-04578.00
	630 29th Avenue	Date Purged:	9.15.04
	Oakland, California	Purge Method:	disposable bailer
Sampling Location:	**MW-11**	Date & Time Sampled:	9.15.04 12:15
Top of Casing:	14.87 (ft, msl)	Sampling Method:	disposable bailer
Depth to Water:	6.45	Sample Type:	TPHG/BTEX /8010 MS
Groundwater Elevation	8.42	Preservatives:	HCL
Well Bottom	-0.13	# of Containers:	6
Water Column:	8.55	Field Tech:	MR
Well Casing Volume:	1.37 (WC* 0.16)	Weather Conditions:	sunny
Casing Volumes Purged:	4		
Purge Rate:		2" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	~~Redox Potential (mVolts)~~	Temperature (°F or °C)	Turbidity (Visual)
11 : 45	0	7.59	2.40	-	22.8	clear
11 : 49	1.5	7.46	2.41	-	22.7	"
11 : 53	1.5	7.42	2.45	-	22.1	"
11 : 57	1.5	7.41	2.49	-	21.8	"
12 : 02	1.5	7.41	2.58	-	21.4	brown
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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:	9.15.04
	Oakland, California	Purge Method:	disposable bailer
Sampling Location:	**MW-12**	Date & Time Sampled:	9.15.04 11:35
Top of Casing:	14.05 (ft, msl)	Sampling Method:	disposable bailer
Depth to Water:	6.43	Sample Type:	TPHG/BTEX /8010 MS
Groundwater Elevation	7.62	Preservatives:	HCL
Well Bottom	-0.95	# of Containers:	6
Water Column:	8.57	Field Tech:	MR
Well Casing Volume:	1.37 (WC* 0.16)	Weather Conditions:	sunny
Casing Volumes Purged:	4		
Purge Rate:		2" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	~~Redox Potential (mVolts)~~	Temperature (°F or °C)	Turbidity (Visual)
11 : 05	0	7.57	2.81	-	22.9	clear
11 : 09	1.5	7.49	2.82	-	22.6	"
11 : 13	1.5	7.51	2.90	-	22.1	"
11 : 18	1.5	7.54	2.90	-	21.6	"
11 : 22	1.5	7.49	2.87	-	21.2	"
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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:	9.15.04
	Oakland, California	Purge Method:	disposable bailer
Sampling Location:	**MW-13**	Date & Time Sampled:	9.15.04 10:50
Top of Casing:	13.39 (ft, msl)	Sampling Method:	disposable bailer
Depth to Water:	6.63	Sample Type:	TPHG/BTEX /8010 MS
Groundwater Elevation	6.76	Preservatives:	HCL
Well Bottom	-1.61	# of Containers:	6
Water Column:	8.37	Field Tech:	MR
Well Casing Volume:	1.34 (WC* 0.16)	Weather Conditions:	sunny
Casing Volumes Purged:	4		
Purge Rate:		2" dia well	

Time	Volume Removed (gal)	pH	Specific Conductivity (µmhos/cm)	~~Redox Potential (mVolts)~~	Temperature (°F or °C)	Turbidity (Visual)
10 : 30	0	7.55	1.20	-	24.8	clear
10 : 34	1.5	7.54	1.20	-	24.0	"
10 : 37	1.5	7.59	1.21	-	23.2	"
10 : 40	1.5	7.58	1.20	-	22.7	"
10 : 43	1.5	7.60	1.19	-	22.4	"
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Field Notes:

APPENDIX B

THIRD QUARTER 2004

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: 27-SEP-04
Lab Job Number: 174673
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:	174673
Client:	Clayton Group Services
Project:	70-04578.00
Location:	Sausage Factory
Request Date:	09/15/04
Samples Received:	09/15/04

This hardcopy data package contains sample and QC results for nine water samples, requested for the above referenced project on 09/15/04. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B):
No analytical problems were encountered.

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

Clayton GROUP SERVICES

CHAIN OF CUSTODY

Lab: Curtis&Tompkins

TAT: Standard

14613

Report results to:

Name	Mat Reimer
Company	Clayton Group Services
Mailing Address	6920 Koll Center Parkway, Ste. 216
City, State, Zip	Pleasanton, California 94566
Telephone No.	(925) 426-2600
Fax No.	(925) 426-0106
E-mail:	mreimer@claytongrp.com

Project Information

Project No.	70-04578.00
Name	Sausage Factory
Location	630 29th Avenue, Oakland
Global_Id	T0600102114
Log_code	CGSP

Special instructions and/or specific regulatory requirements:

Sample Identification	Sample Date	Sample Time	Matrix/ Media	No. of Conts.	Analyses Requested: TPH as Gasoline/BTEX	Analyses Requested: 8010 MS	Sample Condition/Comments	Preservative
~~MW-01~~			W	6	X	X		HCl
MW-02	9.15.04	9:20	W	6	X	X		HCl
MW-06	↓	7:50	↓	6	↓	↓		HCl
MW-07		12:50		6				HCl
MW-08		8:35		6				HCl
MW-09		9:10		6				HCl
MW-10		10:20		6				HCl
MW-11		12:15		6				HCl
MW-12		11:35		6				HCl
MW-13	↓	10:50	↓	6	↓	↓		HCl

Collected by:	Mat Reimer	**Date/Time**	9.15.04	**Collector's Signature:**	Mat Reimer
Relinquished by:	Mat Reimer	**Date/Time**	9.15.04	**Received by:**	Tawanna Curtis
Relinquished by:		**Date/Time**		**Received by:**	
Method of Shipment:				**Sample Condition on Rcpt:**	

Date/Time	9.15.04
Date/Time	9-15-04 1:35
Date/Time	

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

SUCCESSFUL EDF CHECK - NO ERRORS

ORGANIZATION NAME:	Curtis & Tompkins, Ltd.
USER NAME:	CTBERK
DATE CHECKED:	
GLOBAL ID:	NOT SELECTED
FILE UPLOADED:	174673_edf.zip

No errors were found in your EDF upload file.

If you want to submit this file to the SWRCB, choose the "Upload EDD" option in the above menu and follow the instructions.

When you complete the submittal process, you will be given a confirmation number for your submittal.

Because you have not chosen a facility, field point names have not been checked.

Logged in as CTBERK (LABORATORY)

CONTACT SITE ADMINISTRATOR

Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	174673	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00		
Matrix:	Water	Sampled:	09/15/04
Units:	ug/L	Received:	09/15/04

Field ID:	MW-02	Diln Fac:	40.00
Type:	SAMPLE	Batch#:	94657
Lab ID:	174673-001	Analyzed:	09/16/04

Analyte	Result	RL	Analysis
Gasoline C7-C12	46,000	2,000	EPA 8015B
Benzene	13,000	20	EPA 8021B
Toluene	1,300	20	EPA 8021B
Ethylbenzene	1,400	20	EPA 8021B
m,p-Xylenes	2,300	20	EPA 8021B
o-Xylene	410	20	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	95	70-141	EPA 8015B
Bromofluorobenzene (FID)	98	80-143	EPA 8015B
Trifluorotoluene (PID)	93	59-133	EPA 8021B
Bromofluorobenzene (PID)	97	76-128	EPA 8021B

Field ID:	MW-06	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	94657
Lab ID:	174673-002	Analyzed:	09/16/04

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)	89	70-141	EPA 8015B
Bromofluorobenzene (FID)	96	80-143	EPA 8015B
Trifluorotoluene (PID)	89	59-133	EPA 8021B
Bromofluorobenzene (PID)	95	76-128	EPA 8021B

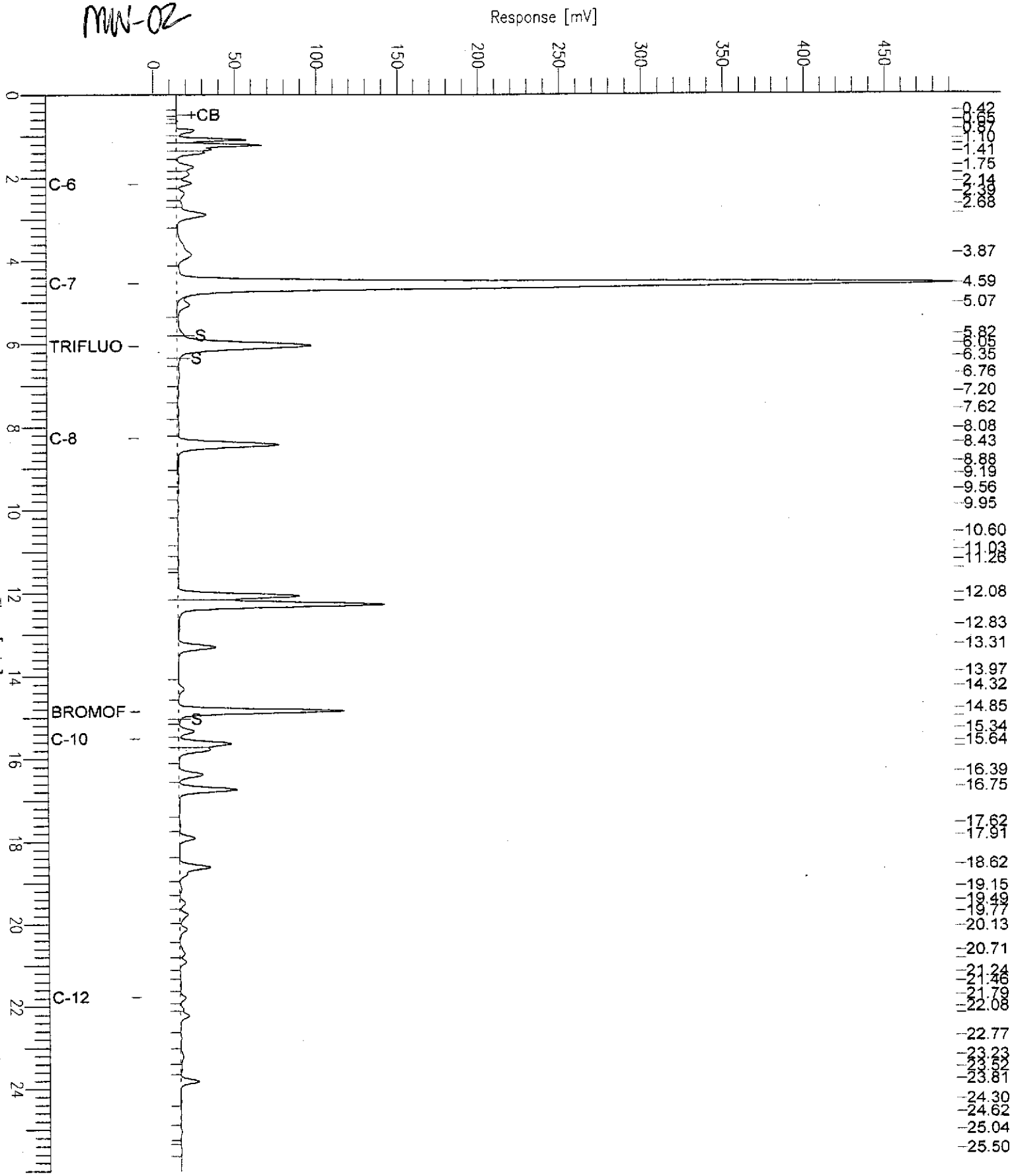
C= Presence confirmed, but RPD between columns exceeds 40%
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

GC07 TVH 'A' Data File RTX 502

[redacted]ample Name : 174673-001,94657
[redacted]ileName : G:\GC07\DATA\260A014.raw
[redacted]ethod : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: -9 mV

Sample #: bl.0 Page 1 of 1
Date : 9/17/04 11:24 AM
Time of Injection: 9/16/04 05:41 PM
Low Point : -9.46 mV High Point : 491.97 mV
Plot Scale: 501.4 mV

MW-02



Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	174673	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00		
Matrix:	Water	Sampled:	09/15/04
Units:	ug/L	Received:	09/15/04

Field ID:	MW-07	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	94657
Lab ID:	174673-003	Analyzed:	09/16/04

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)	90	70-141	EPA 8015B
Bromofluorobenzene (FID)	98	80-143	EPA 8015B
Trifluorotoluene (PID)	89	59-133	EPA 8021B
Bromofluorobenzene (PID)	95	76-128	EPA 8021B

Field ID:	MW-08	Diln Fac:	2.000
Type:	SAMPLE	Batch#:	94657
Lab ID:	174673-004	Analyzed:	09/16/04

Analyte	Result	RL	Analysis
Gasoline C7-C12	4,900 L	100	EPA 8015B
Benzene	710	1.0	EPA 8021B
Toluene	ND	1.0	EPA 8021B
Ethylbenzene	100	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)	123	70-141	EPA 8015B
Bromofluorobenzene (FID)	101	80-143	EPA 8015B
Trifluorotoluene (PID)	112	59-133	EPA 8021B
Bromofluorobenzene (PID)	97	76-128	EPA 8021B

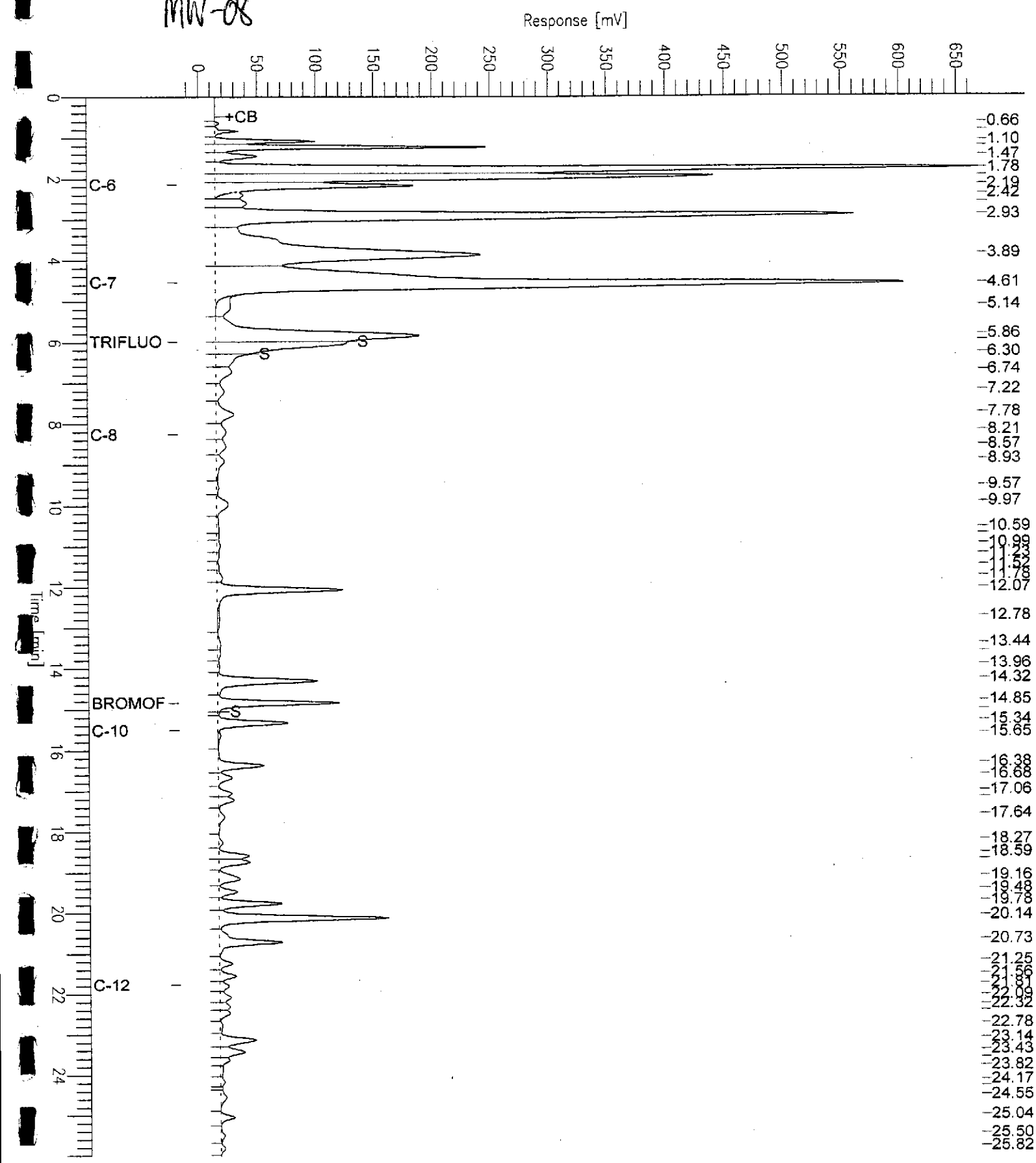
C= Presence confirmed, but RPD between columns exceeds 40%
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

GC07 TVH 'A' Data File RTX 502

Sample Name : 174673-004,94657
FileName : G:\GC07\DATA\260A010.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: -18 mV

Sample #: b1.3
Date : 9/17/04 11:24 AM
Time of Injection: 9/16/04 03:12 PM
Low Point : -18.30 mV High Point : 667.98 mV
Plot Scale: 686.3 mV

MW-08



Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	174673	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00		
Matrix:	Water	Sampled:	09/15/04
Units:	ug/L	Received:	09/15/04

Field ID: MW-09 Lab ID: 174673-005
Type: SAMPLE

Analyte	Result	RL	Diln Fac	Batch#	Analyzed	Analysis
Gasoline C7-C12	76,000	2,000	40.00	94657	09/16/04	EPA 8015B
Benzene	17,000	25	50.00	94705	09/17/04	EPA 8021B
Toluene	2,200	20	40.00	94657	09/16/04	EPA 8021B
Ethylbenzene	1,500	20	40.00	94657	09/16/04	EPA 8021B
m,p-Xylenes	5,200	20	40.00	94657	09/16/04	EPA 8021B
o-Xylene	1,400	20	40.00	94657	09/16/04	EPA 8021B

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed	Analysis
Trifluorotoluene (FID)	93	70-141	40.00	94657	09/16/04	EPA 8015B
Bromofluorobenzene (FID)	95	80-143	40.00	94657	09/16/04	EPA 8015B
Trifluorotoluene (PID)	92	59-133	40.00	94657	09/16/04	EPA 8021B
Bromofluorobenzene (PID)	94	76-128	40.00	94657	09/16/04	EPA 8021B

Field ID: MW-10 Diln Fac: 1.000
Type: SAMPLE Batch#: 94657
Lab ID: 174673-006 Analyzed: 09/16/04

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)	92	70-141	EPA 8015B
Bromofluorobenzene (FID)	99	80-143	EPA 8015B
Trifluorotoluene (PID)	89	59-133	EPA 8021B
Bromofluorobenzene (PID)	95	76-128	EPA 8021B

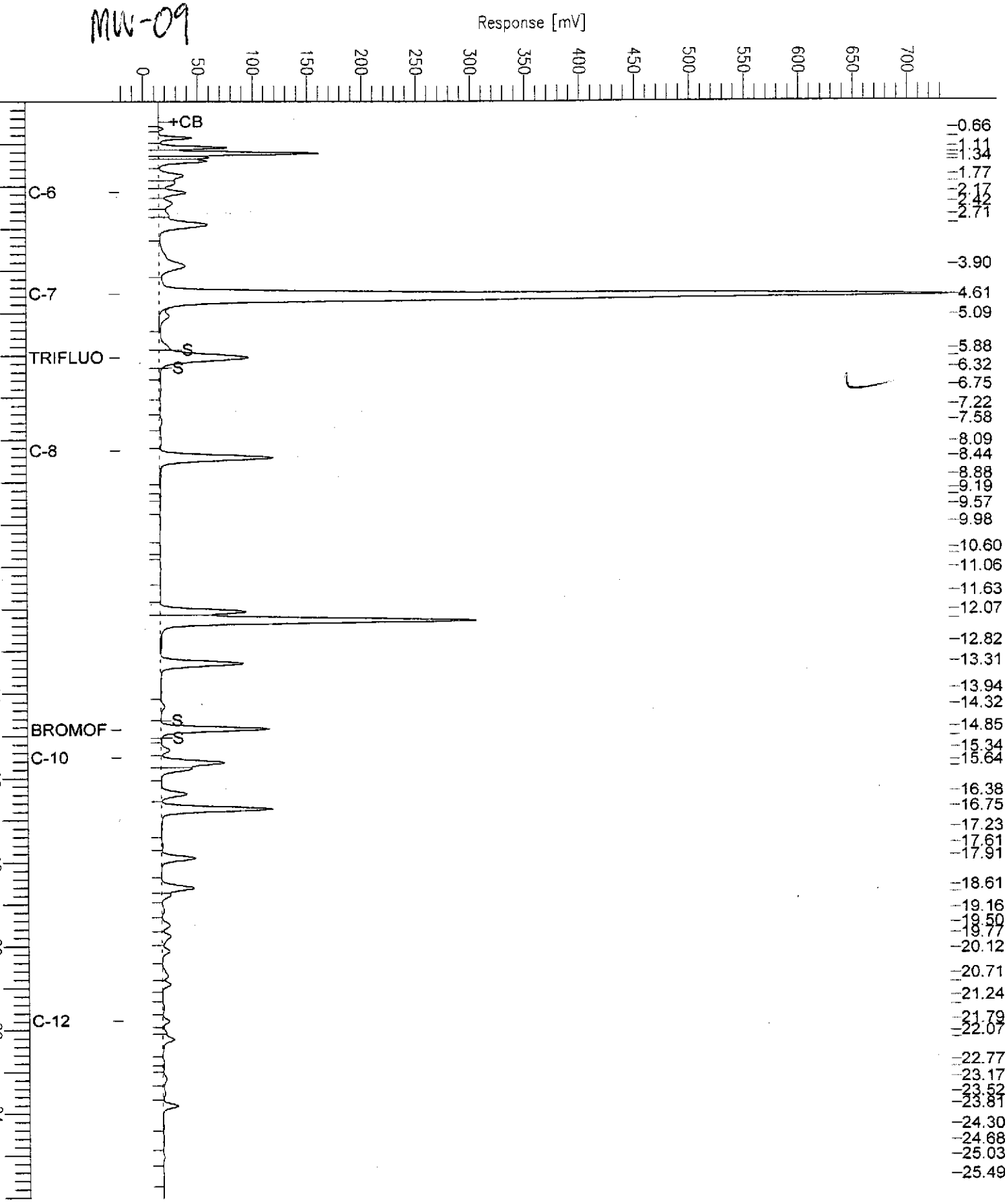
C= Presence confirmed, but RPD between columns exceeds 40%
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

GC07 TVH 'A' Data File RTX 502

Sample Name : 174673-005,94657
FileName : G:\GC07\DATA\260A015.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: -22 mV

Sample #: b1.0 Page 1 of 1
Date : 9/17/04 11:24 AM
Time of Injection: 9/16/04 06:16 PM
Low Point : -21.73 mV High Point : 737.06 mV
Plot Scale: 758.8 mV

MW-09



Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	174673	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00		
Matrix:	Water	Sampled:	09/15/04
Units:	ug/L	Received:	09/15/04

Field ID:	MW-11	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	94657
Lab ID:	174673-007	Analyzed:	09/16/04

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)	89	70-141	EPA 8015B
Bromofluorobenzene (FID)	98	80-143	EPA 8015B
Trifluorotoluene (PID)	87	59-133	EPA 8021B
Bromofluorobenzene (PID)	93	76-128	EPA 8021B

Field ID:	MW-12	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	94657
Lab ID:	174673-008	Analyzed:	09/16/04

Analyte	Result	RL	Analysis
Gasoline C7-C12	130 Y Z	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)	91	70-141	EPA 8015B
Bromofluorobenzene (FID)	100	80-143	EPA 8015B
Trifluorotoluene (PID)	82	59-133	EPA 8021B
Bromofluorobenzene (PID)	96	76-128	EPA 8021B

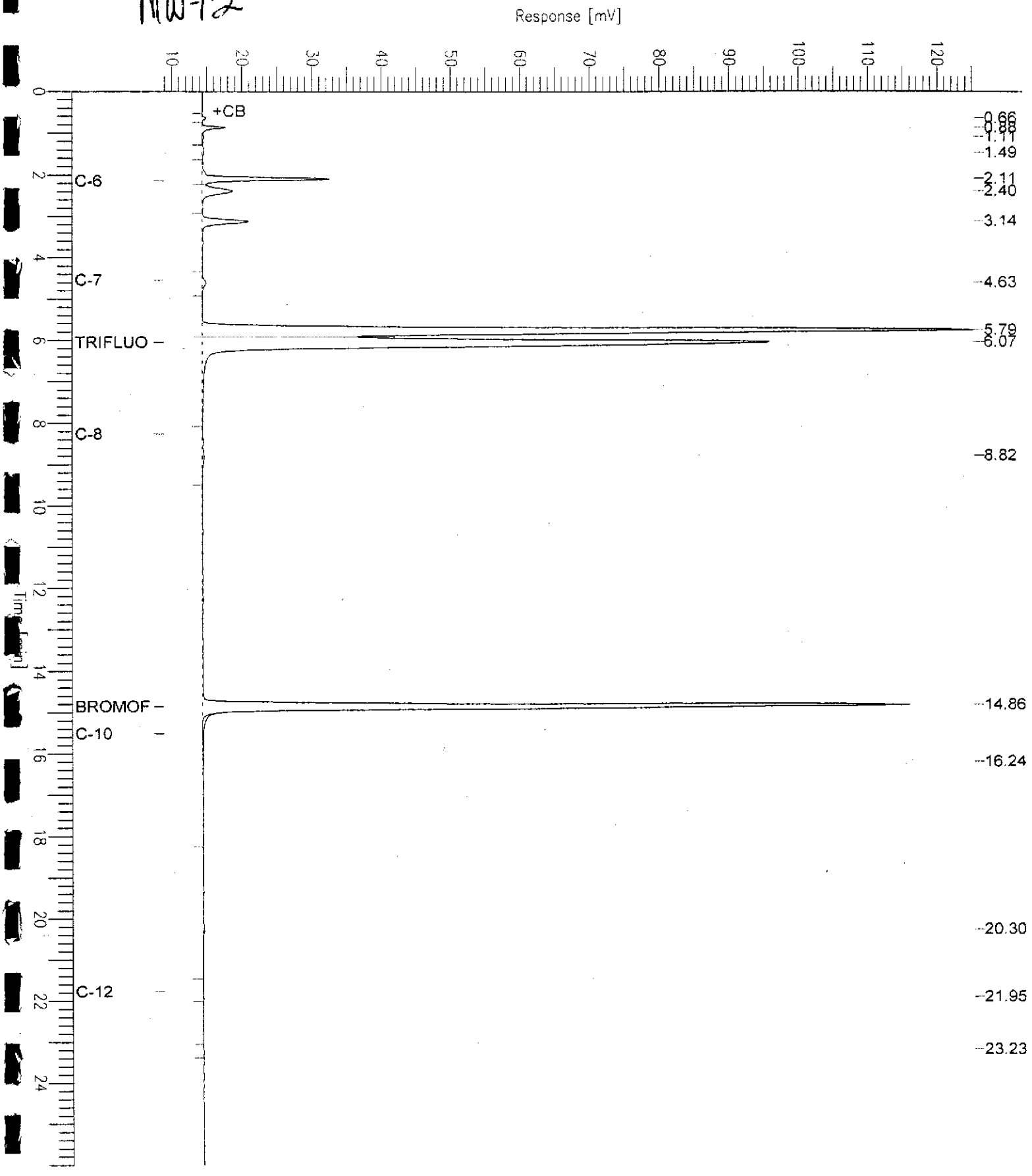
C= Presence confirmed, but RPD between columns exceeds 40%
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

GC07 TVH 'A' Data File RTX 502

Sample Name : 174673-008,94657
FileName : G:\GC07\DATA\260A008.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 9 mV

Sample #: b1.0 Page 1 of 1
Date : 9/16/04 02:28 PM
Time of Injection: 9/16/04 02:01 PM
Low Point : 8.80 mV High Point : 125.32 mV
Plot Scale: 116.5 mV

MW-12



Curtis & Tompkins, Ltd.

Curtis & Tompkins Laboratories Analytical Report

Lab #:	174673	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00		
Matrix:	Water	Sampled:	09/15/04
Units:	ug/L	Received:	09/15/04

Field ID:	MW-13	Diln Fac:	2.000
Type:	SAMPLE	Batch#:	94657
Lab ID:	174673-009	Analyzed:	09/16/04

Analyte	Result	RL	Analysis
Gasoline C7-C12	6,700 Y	100	EPA 8015B
Benzene	84 C	1.0	EPA 8021B
Toluene	ND	1.0	EPA 8021B
Ethylbenzene	78	1.0	EPA 8021B
m,p-Xylenes	7.2 C	1.0	EPA 8021B
o-Xylene	ND	1.0	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	140	70-141	EPA 8015B
Bromofluorobenzene (FID)	127	80-143	EPA 8015B
Trifluorotoluene (PID)	126	59-133	EPA 8021B
Bromofluorobenzene (PID)	106	76-128	EPA 8021B

Type:	BLANK	Batch#:	94657
Lab ID:	QC264869	Analyzed:	09/16/04
Diln Fac:	1.000		

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)	86	70-141	EPA 8015B
Bromofluorobenzene (FID)	93	80-143	EPA 8015B
Trifluorotoluene (PID)	84	59-133	EPA 8021B
Bromofluorobenzene (PID)	91	76-128	EPA 8021B

Type:	BLANK	Batch#:	94705
Lab ID:	QC265074	Analyzed:	09/17/04
Diln Fac:	1.000		

Analyte	Result	RL	Analysis
Benzene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	88	70-141	EPA 8015B
Bromofluorobenzene (FID)	98	80-143	EPA 8015B
Trifluorotoluene (PID)	89	59-133	EPA 8021B
Bromofluorobenzene (PID)	98	76-128	EPA 8021B

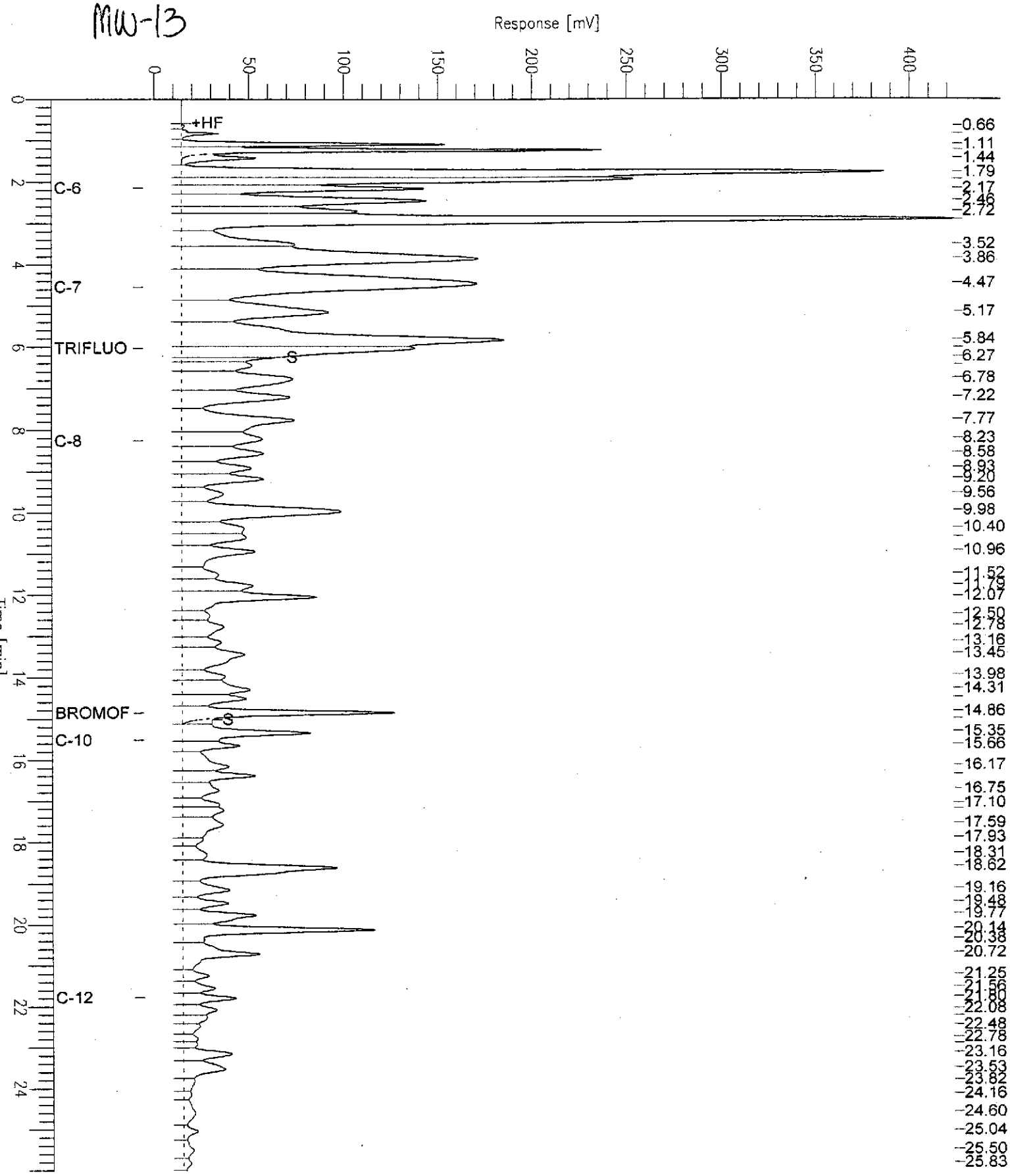
C= Presence confirmed, but RPD between columns exceeds 40%
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

GC07 TVH 'A' Data File RTX 502

Sample Name : 174673-009,94657
FileName : G:\GC07\DATA\260A011.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: -6 mV

Sample #: b1.3 Page 1 of 1
Date : 9/17/04 11:24 AM
Time of Injection: 9/16/04 03:47 PM
Low Point : -6.08 mV High Point : 422.85 mV
Plot Scale: 428.9 mV

MW-13

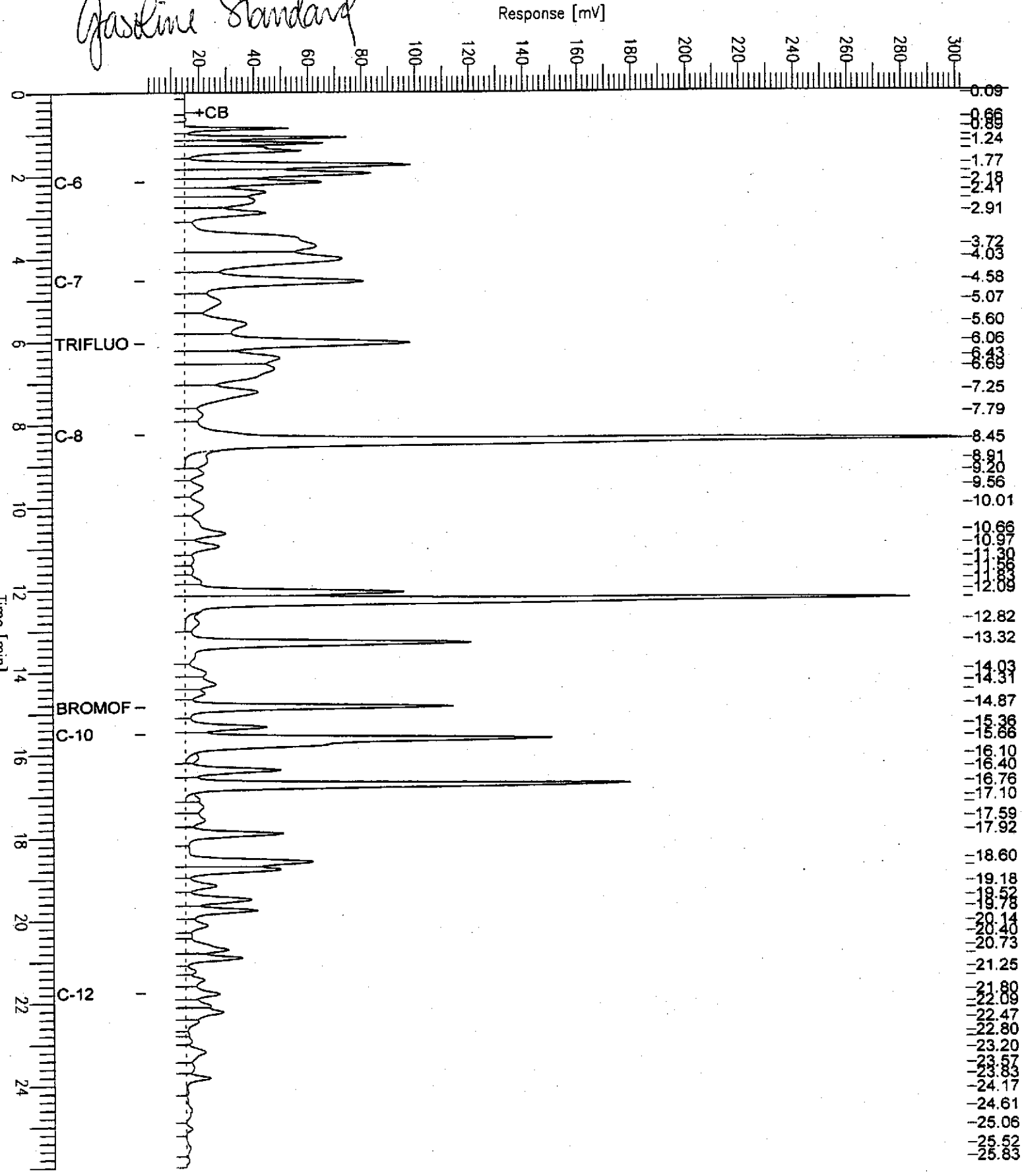


GC07 TVH 'A' Data File RTX 502

Sample Name : ccv/lcs,qc264871,94657,04ws1636,5/5000
FileName : G:\GC07\DATA\260A002.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 0 mV

Sample #: Page 1 of 1
Date : 9/16/04 10:53 AM
Time of Injection: 9/16/04 10:27 AM
Low Point : 0.47 mV High Point : 302.20 mV
Plot Scale: 301.7 mV

Gasoline Standard



Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	174673	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:	QC264870	Batch#:	94657
Matrix:	Water	Analyzed:	09/16/04
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Benzene	20.00	22.40	112	80-120
Toluene	20.00	20.76	104	80-120
Ethylbenzene	20.00	19.96	100	80-120
m,p-Xylenes	20.00	20.16	101	80-120
o-Xylene	20.00	20.05	100	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	89	59-133
Bromofluorobenzene (PID)	95	76-128

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	174673	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:	QC264871	Batch#:	94657
Matrix:	Water	Analyzed:	09/16/04
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,216	111	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	107	70-141
Bromofluorobenzene (FID)	98	80-143

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	174673	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:	QC265075	Batch#:	94705
Matrix:	Water	Analyzed:	09/17/04
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Benzene	20.00	20.09	100	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	84	59-133
Bromofluorobenzene (PID)	94	76-128

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	174673	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8015B
Field ID:	MW-11	Batch#:	94657
MSS Lab ID:	174673-007	Sampled:	09/15/04
Matrix:	Water	Received:	09/15/04
Units:	ug/L	Analyzed:	09/16/04
Diln Fac:	1.000		

Type: MS Lab ID: QC264971

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<7.600	2,000	2,032	102	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	106	70-141
Bromofluorobenzene (FID)	98	80-143

Type: MSD Lab ID: QC264972

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,988	99	80-120	2	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	105	70-141
Bromofluorobenzene (FID)	97	80-143

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	174673	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8021B
Field ID:	ZZZZZZZZZZ	Batch#:	94705
MSS Lab ID:	174670-001	Sampled:	09/13/04
Matrix:	Water	Received:	09/15/04
Units:	ug/L	Analyzed:	09/17/04
Diln Fac:	1.000		

Type: MS Lab ID: QC265116

Analyte	MSS Result	Spiked	Result	%REC	Limits
Benzene	<0.1300	20.00	22.87	114	80-120

Surrogate	%REC	Limits
Trifluorotoluene (PID)	94	59-133
Bromofluorobenzene (PID)	107	76-128

Type: MSD Lab ID: QC265117

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	20.00	22.70	114	80-120	1	20

Surrogate	%REC	Limits
Trifluorotoluene (PID)	93	59-133
Bromofluorobenzene (PID)	107	76-128

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	174673	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Field ID:	MW-02	Batch#:	94737
Lab ID:	174673-001	Sampled:	09/15/04
Matrix:	Water	Received:	09/15/04
Units:	ug/L	Analyzed:	09/20/04
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	33
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	108	80-120
Toluene-d8	101	80-120
Bromofluorobenzene	106	80-122

ND= Not Detected
RL= Reporting Limit

8.0

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	174673	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Field ID:	MW-06	Batch#:	94719
Lab ID:	174673-002	Sampled:	09/15/04
Matrix:	Water	Received:	09/15/04
Units:	ug/L	Analyzed:	09/17/04
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	1.0
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	20
trans-1,2-Dichloroethene	ND	0.5
1,1-Dichloroethane	0.6	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	92	80-120
Toluene-d8	115	80-120
Bromofluorobenzene	99	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	174673	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Field ID:	MW-07	Batch#:	94719
Lab ID:	174673-003	Sampled:	09/15/04
Matrix:	Water	Received:	09/15/04
Units:	ug/L	Analyzed:	09/17/04
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	1.0
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	92	80-120
Toluene-d8	110	80-120
Bromofluorobenzene	98	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	174673	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Field ID:	MW-08	Batch#:	94737
Lab ID:	174673-004	Sampled:	09/15/04
Matrix:	Water	Received:	09/15/04
Units:	ug/L	Analyzed:	09/20/04
Diln Fac:	14.29		

Analyte	Result	RL
Chloromethane	ND	14
Vinyl Chloride	100	7.1
Bromomethane	ND	14
Chloroethane	ND	14
Trichlorofluoromethane	ND	14
Freon 113	ND	14
1,1-Dichloroethene	ND	7.1
Methylene Chloride	ND	290
trans-1,2-Dichloroethene	49	7.1
1,1-Dichloroethane	ND	7.1
cis-1,2-Dichloroethene	1,200	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	110	80-120
Toluene-d8	101	80-120
Bromofluorobenzene	113	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	174673	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Field ID:	MW-09	Batch#:	94737
Lab ID:	174673-005	Sampled:	09/15/04
Matrix:	Water	Received:	09/15/04
Units:	ug/L	Analyzed:	09/20/04
Diln Fac:	40.00		

Analyte	Result	RL
Chloromethane	ND	40
Vinyl Chloride	ND	20
Bromomethane	ND	40
Chloroethane	ND	40
Trichlorofluoromethane	ND	40
Freon 113	ND	40
1,1-Dichloroethene	ND	20
Methylene Chloride	ND	800
trans-1,2-Dichloroethene	ND	20
1,1-Dichloroethane	ND	20
cis-1,2-Dichloroethene	ND	20
Chloroform	ND	40
1,1,1-Trichloroethane	ND	20
Carbon Tetrachloride	ND	20
1,2-Dichloroethane	ND	20
Trichloroethene	ND	20
1,2-Dichloropropane	ND	20
Bromodichloromethane	ND	20
cis-1,3-Dichloropropene	ND	20
trans-1,3-Dichloropropene	ND	20
1,1,2-Trichloroethane	ND	20
Tetrachloroethene	ND	20
Dibromochloromethane	ND	20
Chlorobenzene	ND	20
Bromoform	ND	20
1,1,2,2-Tetrachloroethane	ND	20
1,3-Dichlorobenzene	ND	20
1,4-Dichlorobenzene	ND	20
1,2-Dichlorobenzene	ND	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	107	80-120
Toluene-d8	102	80-120
Bromofluorobenzene	105	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	174673	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Field ID:	MW-10	Batch#:	94719
Lab ID:	174673-006	Sampled:	09/15/04
Matrix:	Water	Received:	09/15/04
Units:	ug/L	Analyzed:	09/17/04
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	1.0
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	80-120
Toluene-d8	106	80-120
Bromofluorobenzene	98	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	174673	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Field ID:	MW-11	Batch#:	94737
Lab ID:	174673-007	Sampled:	09/15/04
Matrix:	Water	Received:	09/15/04
Units:	ug/L	Analyzed:	09/20/04
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	1.0
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	111	80-120
Toluene-d8	102	80-120
Bromofluorobenzene	114	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	174673	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Field ID:	MW-12	Batch#:	94737
Lab ID:	174673-008	Sampled:	09/15/04
Matrix:	Water	Received:	09/15/04
Units:	ug/L	Analyzed:	09/20/04
Diln Fac:	3.333		

Analyte	Result	RL
Chloromethane	ND	3.3
Vinyl Chloride	ND	1.7
Bromomethane	ND	3.3
Chloroethane	ND	3.3
Trichlorofluoromethane	ND	3.3
Freon 113	ND	3.3
1,1-Dichloroethene	ND	1.7
Methylene Chloride	ND	67
trans-1,2-Dichloroethene	83	1.7
1,1-Dichloroethane	ND	1.7
cis-1,2-Dichloroethene	73	1.7
Chloroform	ND	3.3
1,1,1-Trichloroethane	ND	1.7
Carbon Tetrachloride	ND	1.7
1,2-Dichloroethane	ND	1.7
Trichloroethene	290	1.7
1,2-Dichloropropane	ND	1.7
Bromodichloromethane	ND	1.7
cis-1,3-Dichloropropene	ND	1.7
trans-1,3-Dichloropropene	ND	1.7
1,1,2-Trichloroethane	ND	1.7
Tetrachloroethene	ND	1.7
Dibromochloromethane	ND	1.7
Chlorobenzene	ND	1.7
Bromoform	ND	1.7
1,1,2,2-Tetrachloroethane	ND	1.7
1,3-Dichlorobenzene	ND	1.7
1,4-Dichlorobenzene	ND	1.7
1,2-Dichlorobenzene	ND	1.7

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	109	80-120
Toluene-d8	102	80-120
Bromofluorobenzene	112	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Halocarbons by GC/MS

Lab #:	174673	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Field ID:	MW-13	Batch#:	94737
Lab ID:	174673-009	Sampled:	09/15/04
Matrix:	Water	Received:	09/15/04
Units:	ug/L	Analyzed:	09/20/04
Diln Fac:	3.333		

Analyte	Result	RL
Chloromethane	ND	3.3
Vinyl Chloride	31	1.7
Bromomethane	ND	3.3
Chloroethane	ND	3.3
Trichlorofluoromethane	ND	3.3
Freon 113	ND	3.3
1,1-Dichloroethene	2.1	1.7
Methylene Chloride	ND	67
trans-1,2-Dichloroethene	40	1.7
1,1-Dichloroethane	ND	1.7
cis-1,2-Dichloroethene	300	1.7
Chloroform	ND	3.3
1,1,1-Trichloroethane	ND	1.7
Carbon Tetrachloride	ND	1.7
1,2-Dichloroethane	ND	1.7
Trichloroethene	37	1.7
1,2-Dichloropropane	ND	1.7
Bromodichloromethane	ND	1.7
cis-1,3-Dichloropropene	ND	1.7
trans-1,3-Dichloropropene	ND	1.7
1,1,2-Trichloroethane	ND	1.7
Tetrachloroethene	ND	1.7
Dibromochloromethane	ND	1.7
Chlorobenzene	ND	1.7
Bromoform	ND	1.7
1,1,2,2-Tetrachloroethane	ND	1.7
1,3-Dichlorobenzene	ND	1.7
1,4-Dichlorobenzene	ND	1.7
1,2-Dichlorobenzene	ND	1.7

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	107	80-120
Toluene-d8	106	80-120
Bromofluorobenzene	107	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	174673	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	94719
Units:	ug/L	Analyzed:	09/17/04
Diln Fac:	1.000		

Type: BS Lab ID: QC265143

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	38.83	78	75-120
Trichloroethene	50.00	42.72	85	79-120
Chlorobenzene	50.00	50.35	101	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	90	80-120
Toluene-d8	114	80-120
Bromofluorobenzene	93	80-122

Type: BSD Lab ID: QC265144

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	44.52	89	75-120	14	20
Trichloroethene	50.00	45.30	91	79-120	6	20
Chlorobenzene	50.00	56.31	113	80-120	11	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	89	80-120
Toluene-d8	114	80-120
Bromofluorobenzene	95	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	174673	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:	QC265145	Batch#:	94719
Matrix:	Water	Analyzed:	09/17/04
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	1.0
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	96	80-120
Toluene-d8	117	80-120
Bromofluorobenzene	96	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	174673	Location:	Sausage Factory
Client:	Clayton Group Services	Prep:	EPA 5030B
Project#:	70-04578.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	94737
Units:	ug/L	Analyzed:	09/20/04
Diln Fac:	1.000		

Type: BS Lab ID: QC265223

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	26.27	105	75-120
Trichloroethene	25.00	26.21	105	79-120
Chlorobenzene	25.00	25.91	104	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	109	80-120
Toluene-d8	104	80-120
Bromofluorobenzene	102	80-122

Type: BSD Lab ID: QC265224

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	25.19	101	75-120	4	20
Trichloroethene	25.00	25.44	102	79-120	3	20
Chlorobenzene	25.00	25.43	102	80-120	2	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	107	80-120
Toluene-d8	103	80-120
Bromofluorobenzene	102	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Halocarbons by GC/MS

Lab #:	174673	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:	QC265226	Batch#:	94737
Matrix:	Water	Analyzed:	09/20/04
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	1.0
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	107	80-120
Toluene-d8	102	80-120
Bromofluorobenzene	113	80-122

ND= Not Detected
RL= Reporting Limit