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November 10, 2008

Ms. Donna Drogos, P.E.
Supervising Hazardous Materials Specialist
ALAMEDA COUNTY ENVIROMENTAL HEALTH
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Alameda, California 94502-6577

Bureau Veritas Project No.33104-004578.00

**Subject: Third Quarter 2008 Groundwater Monitoring Report
Former Lemoine Sausage Factory
630 29th Avenue
Oakland, California**

Dear Ms. Drogos:

Bureau Veritas North America, Inc., *formerly Clayton Group Services* (Bureau Veritas) is pleased to present the results of the Third Quarter 2008 groundwater monitoring event performed at the Former Lemoine Sausage Factory, located at 630 29th Avenue in Oakland, California.

We declare, under penalty of perjury, that the information and/or recommendations contained in this attached report are true and correct to the best of my knowledge and belief. If you have any comments or questions regarding the report, please do not hesitate to contact Timothy Bodkin at (925) 426-2626.

Sincerely,

Jeremy V. Wilson
Environmental Consultant
Environmental Services

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

JVW/tgb

cc: Bob Pender, AIG Technical Services
Donna Proffitt, Bank of America
Richard Tong, Bureau Veritas North America, Inc.

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Third Quarter 2008 **Groundwater Monitoring Report**

Former Lemoine Sausage Factory
630 29th Avenue
Oakland, California

November 10, 2008
33104-004578.00

Prepared for:
AIG Technical Services, Inc.
80 Pine Street, 6th Floor
New York, New York 10005



For the benefit of business and people

Bureau Veritas North America, Inc.
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CONTENTS

<u>Section</u>	<u>Page</u>
1.0 INTRODUCTION	1
2.0 SITE DESCRIPTION AND HISTORY	1
3.0 FIELD ACTIVITIES	1
3.1. GROUNDWATER LEVEL MEASUREMENTS	1
3.2. GROUNDWATER PURGING	1
3.4 LABORATORY ANALYSES.....	2
4.0 FINDINGS.....	2
4.1. GROUNDWATER FLOW CONDITIONS	2
4.2. ANALYTICAL RESULTS	2
5.0 CONCLUSIONS.....	3

Tables

1. Historical Groundwater Elevation Data
2. Historical Groundwater Analytical Results

Figures

1. Property Location Map
2. Groundwater Elevation Map, Third Quarter 2008
3. TPH-g Concentrations in Groundwater, Third Quarter 2008
4. Benzene Concentrations in Groundwater, Third Quarter 2008
5. TCE and cis-1,2- DCE Concentrations in Groundwater, Third Quarter 2008

Appendices

- A. Field Sampling Data Sheets
- B. Chain-of-Custody Documentation and Certified Analytical Reports

1.0 INTRODUCTION

Bureau Veritas North America, Inc. (Bureau Veritas) has prepared the following Third Quarter 2008 Groundwater Monitoring Report for the former Lemoine Sausage Factory (the "Site"). The Site is located at 630 29th Avenue near its intersection with 7th Street in Oakland, California (Figure 1). Groundwater monitoring is being performed at the Site on a quarterly basis in accordance with an Alameda County Environmental Health (ACEH) directive dated June 19, 1999. Groundwater monitoring has been required due to a past release from an underground gasoline underground storage tank (UST).

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).

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 fuel dispenser for the UST was located in a "cubby hole" near the building's roll-up door. The UST, fuel dispenser, and associated piping were removed on November 21, 1996. Confirmation soil samples were collected from the excavation for laboratory analyses. A petroleum hydrocarbon sheen was noted on the groundwater surface within the tank excavation. Analytical results for the confirmation samples showed the presence of petroleum hydrocarbons.

Subsequent groundwater investigations were performed to define the vertical and lateral extent of petroleum hydrocarbons in groundwater and to monitor groundwater conditions around the Site. Several monitoring wells were installed and screened within the first-encountered water bearing zone, which predominantly occurs within low permeability clayey and sandy silts. High concentrations of TPH-g and benzene historically have been detected in the immediate vicinity or just downgradient of the former UST. VOCs also have been detected in monitoring wells located to the south and southwest of the former UST location and are believed to originate from an off-site source.

3.0 FIELD ACTIVITIES

Groundwater level measurements and samples were obtained from ten (10) existing monitoring wells (MW-1, MW-2, and MW-6 through MW-13).

3.1. GROUNDWATER LEVEL MEASUREMENTS

On September 9, 2008, 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 a surveyed reference elevation point represented by a V-notch at the top of each casing. Groundwater elevations were calculated by subtracting the measured depth to water from the top of casing elevation at each monitoring well.

3.2. GROUNDWATER PURGING

Prior to groundwater sample collection at each monitoring well, approximately three (3) well casing volumes of standing water were removed with the exception of Wells MW-1 and MW-2, which were not purged because of the lack of sufficient water within the wells and poor groundwater recharge during



purging. In addition, Wells MW-9, MW-10, MW-11, and MW-13 were purged dry during the purging events. Wells MW-6 through MW-13 were purged by hand bailing with new 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, temperature, and turbidity) 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.

Groundwater purged from monitoring wells was stored onsite in sealed 55-gallon drums and labeled with the project-identifying information. Groundwater level measurements for the Third Quarter 2008 monitoring event were recorded on Field Sampling Data Sheets, as presented in Appendix A.

3.3 GROUNDWATER SAMPLING

Before groundwater sampling commenced, each purged monitoring well was allowed to recharge to at least 80% of the pre-purged standing water volume, except for Wells MW-1 and MW-2 for the reasons stated above. Groundwater samples for laboratory analyses were retrieved using either a peristaltic pump equipped 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 containing crushed ice for transport to the laboratory.

3.4 LABORATORY ANALYSES

Groundwater samples were analyzed by Curtis and Tompkins Ltd. 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 8021B for TPH-g/BTEX
- USEPA Method 8260B for VOCs

Certified analytical data sheets and chain-of-custody documentation for the Third Quarter 2008 groundwater sampling event are presented in Appendix B.

4.0 FINDINGS

4.1. GROUNDWATER FLOW CONDITIONS

Groundwater flow conditions were assessed based upon the groundwater level measurements obtained in the wells. Groundwater depths ranged between 6.67 and 11.04 feet below the tops of well casings. Groundwater elevations ranged between 6.36 and 10.27 feet above mean sea level. Groundwater flow is to the west at an estimated gradient of 0.016 feet per foot (ft/ft), as measured between Wells MW-10 and MW-13. Depth to water measurements and groundwater elevation data from this event and previous events are presented in Table 1. The Third Quarter 2008 groundwater elevation map is presented on Figure 2.

4.2. ANALYTICAL RESULTS

Analytical results for groundwater showed the presence of petroleum hydrocarbons and VOCs. The frequency and range of petroleum hydrocarbons and VOCs detected in groundwater during this quarter are as follows:



- TPH-g was detected in Wells MW-1, MW-2, MW-8, MW-9, MW-12, and MW-13 at concentrations ranging between 89 and 45,000 micrograms per liter ($\mu\text{g/L}$).
- Benzene was detected in Wells MW-1, MW-2, MW-8, MW-9, MW-12, and MW-13 at concentrations ranging between 1.2 and 14,000 $\mu\text{g/L}$. This is the first detection of benzene in Well MW-12 since the Second Quarter 2007 monitoring event.
- Toluene was detected in Wells MW-1, MW-2, and MW-9 at concentrations ranging between 91 and 230 $\mu\text{g/L}$.
- Ethylbenzene was detected in Wells MW-1, MW-2, MW-8, MW-9, and MW-13 at concentrations ranging between 41 and 1,700 $\mu\text{g/L}$.
- Total xylenes were detected in Wells MW-1, MW-2, MW-9, and MW-13 at concentrations ranging between 9.5 and 1,940 $\mu\text{g/L}$.
- Trichloroethene (TCE) was detected in Wells MW-12 and MW-13 at concentrations of 140 and 17 $\mu\text{g/L}$, respectively.
- Cis-1,2-dichloroethene (cis-1,2-DCE) was detected in Wells MW-8, MW-12, and MW-13 at concentrations of 1,200, 60, and 52 $\mu\text{g/L}$, respectively.
- Trans-1,2-dichloroethene (trans-1,2-DCE) was detected in Wells MW-8 and MW-12 at concentrations of 36 and 59, respectively. This is the first sampling event that trans-1,2-DCE was not detected above laboratory reporting limits in MW-13.
- Vinyl chloride (VC) was detected in Wells MW-8 and MW-13 at concentrations of 190 and 6.5 $\mu\text{g/L}$, respectively.

Historical groundwater analytical results for petroleum hydrocarbons and VOCs detected in groundwater are presented in Table 2. TPH-g and benzene concentrations detected in groundwater and isoconcentration contours for these constituents detected during Third Quarter 2008 are presented on Figures 3 and 4, respectively. TCE and cis-1,2-DCE concentrations detected in groundwater during Third Quarter 2008 are presented on Figure 5.

5.0 CONCLUSIONS

Groundwater conditions for this Quarter are relatively consistent with the trends noted during previous monitoring events. TPH-g and BTEX concentrations detected in groundwater generally remained within the same order of magnitude as these analytical results from previous events. TPH-g concentrations increased in Wells MW-2, MW-8, MW-9, and MW-12 and decreased or remained below laboratory detection limits in the remaining wells. Benzene concentrations increased in Wells MW-2, MW-9 and MW-12 and decreased in Wells MW-1 and MW-13. The highest concentrations of TPH-g and benzene were detected in Wells MW-2 and MW-9, which are both located within the central portion of the warehouse building downgradient of the former UST location. The lateral extent of the hydrocarbon plume is roughly defined by the TPH concentrations detected in Wells MW-1, MW-8, MW-12, and MW-13.

VOC concentrations detected in Wells MW-8, MW-12, and MW-13 generally increased in comparison to those concentrations detected during the previous event. The source of the VOCs in groundwater is unknown and appears to originate from an offsite area. VOC concentrations detected in groundwater are not related to the UST release. VOC degradation compounds including Cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride detected in groundwater over the past several monitoring events indicate that degradation of the TCE is occurring. No additional investigation of the TPH- and VOC-impacted groundwater is recommended at this time.



Report prepared by: _____ *Jeremy V. Wilson*

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Report reviewed by: _____ *Timothy S. Bodkin*

Timothy S. Bodkin, C.E.G., R.E.A. II
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November 10, 2008



TABLES



TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA
FORMER LEMOINE SAUSAGE FACTORY
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	2/8/1999	16.69	3.60	13.09
	6/15/2000	16.69	4.82	11.87
	9/22/2000	16.69	6.30	10.39
	12/19/2000	16.69	5.50	11.19
	3/21/2001	16.69	4.29	12.40
	6/20/2001	16.69	5.85	10.84
	9/25/2001	16.69	6.76	9.93
	12/3/2001	16.69	4.17	12.52
	3/25/2002	16.69	2.77	13.92
	6/28/2002	16.69	5.61	11.08
	9/11/2002	16.69	6.17	10.52
	12/16/2002	16.69	3.91	12.78
	3/28/2003	16.69	4.44	12.25
	6/24/2003	16.69	5.29	11.40
	9/26/2003	16.69	6.88	9.81
	12/16/2003	16.69	NM	NM
	4/6/2004	16.69	3.57	13.12
	6/23/2004	16.69	5.96	10.73
	9/15/2004	16.69	NM	NM
	12/16/2004	16.69	4.40	12.29
	3/22/2005	16.69	3.44	13.25
	6/24/2005	16.69	4.45	12.24
	9/13/2005	16.69	6.03	10.66
	12/2/2005	16.69	4.95	11.74
	3/2/2006	16.69	3.74	12.95
	6/15/2006	16.69	4.58	12.11
	9/14/2006	16.69	5.15	11.54
	1/11/2007	16.69	4.01	12.68
	4/9/2007	16.69	4.67	12.02
	9/17/2007	16.69	6.39	10.30
12/19/2007	16.69	5.40	11.29	
3/11/2008	16.69	4.21	12.48	
6/10/2008	16.69	5.68	11.01	
9/9/2008	16.69	6.67	10.02	
MW-2	2/8/1999	20.79	14.20	6.59
	6/15/2000	20.79	10.46	10.33
	9/22/2000	20.79	11.49	9.30
	12/19/2000	20.79	11.38	9.41
	3/21/2001	20.79	10.01	10.78
	6/20/2001	20.79	10.92	9.87
	9/25/2001	20.79	11.78	9.01
	12/3/2001	20.79	11.13	9.66
	3/25/2002	20.79	9.21	11.58
	6/28/2002	20.79	10.65	10.14
	9/11/2002	20.79	10.89	9.90
	12/16/2002	20.79	11.15	9.64



TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA
 FORMER LEMOINE SAUSAGE FACTORY
 630 29TH AVENUE
 OAKLAND, CALIFORNIA

Well Identification	Date Measured	Top of Casing Elevation (ft,msl)	Depth to Water (feet)	Groundwater Elevation (ft,msl)
MW-2	3/28/2003	20.79	10.27	10.52
	6/24/2003	20.79	10.24	10.55
	9/26/2003	20.79	11.20	9.59
	12/16/2003	20.79	11.50	9.29
	4/6/2004	20.79	9.40	11.39
	6/23/2004	20.79	11.60	9.19
	9/15/2004	20.79	10.94	9.85
	12/16/2004	20.79	NM	NM
	3/22/2005	20.79	9.26	11.53
	6/24/2005	20.79	10.03	10.76
	9/13/2005	20.79	10.58	10.21
	12/2/2005	20.79	NM	NM
	3/2/2006	20.79	9.45	11.34
	6/15/2006	20.79	9.84	10.95
	9/14/2006	20.79	10.27	10.52
	1/11/2007	20.79	10.45	10.34
	4/9/2007	20.79	10.03	10.76
	9/17/2007	20.79	10.85	9.94
	12/19/2007	20.79	10.71	10.08
	3/11/2008	20.79	9.76	11.03
6/10/2008	20.79	10.64	10.15	
9/9/2008	20.79	11.04	9.75	
MW-3	2/8/1999	21.10	7.45	13.65
	6/15/2000	21.10	10.56	10.54
	9/22/2000	21.10	15.30	5.80
	12/19/2000	21.10	9.72	11.38
	3/21/2001	21.10	8.95	12.15
	6/20/2001	21.10	10.14	10.96
	9/25/2001	21.10	10.74	10.36
	Removed from monitoring program in October 2001			
MW-4	2/8/1999	17.78	4.13	13.65
	6/15/2000	17.78	6.30	11.48
	9/22/2000	17.78	6.90	10.88
	12/19/2000	17.78	6.40	11.38
	3/21/2001	17.78	5.77	12.01
	6/20/2001	17.78	6.78	11.00
	9/25/2001	17.78	7.40	10.38
	Removed from monitoring program in October 2001			
MW-5	2/8/1999	21.12	7.62	13.50
	6/15/2000	21.12	10.36	10.76
	9/22/2000	21.12	9.99	11.13
	12/19/2000	21.12	9.99	11.13
	3/21/2001	21.12	8.68	12.44
	6/20/2001	21.12	9.90	11.22
	9/25/2001	21.12	10.34	10.78
	Removed from monitoring program in October 2001			



TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA
 FORMER LEMOINE SAUSAGE FACTORY
 630 29TH AVENUE
 OAKLAND, CALIFORNIA

Well Identification	Date Measured	Top of Casing Elevation (ft,msl)	Depth to Water (feet)	Groundwater Elevation (ft,msl)
MW-6	6/15/2000	16.60	5.47	11.13
	9/22/2000	16.60	6.54	10.06
	12/19/2000	16.60	5.93	10.67
	3/21/2001	16.60	4.70	11.90
	6/20/2001	16.60	6.13	10.47
	9/25/2001	16.60	6.68	9.92
	12/3/2001	16.60	4.72	11.88
	3/25/2002	16.60	3.93	12.67
	6/28/2002	16.60	5.83	10.77
	9/11/2002	16.60	5.43	11.17
	12/16/2002	16.60	3.93	12.67
	3/28/2003	16.60	NM	NM
	6/24/2003	16.60	5.52	11.08
	9/26/2003	16.60	6.70	9.90
	12/16/2003	16.60	4.99	11.61
	4/6/2004	16.60	4.85	11.75
	6/23/2004	16.60	5.76	10.84
	9/15/2004	16.60	6.56	10.04
	12/16/2004	16.60	4.56	12.04
	3/22/2005	16.60	3.63	12.97
	6/24/2005	16.60	4.84	11.76
	9/13/2005	16.60	6.15	10.45
	12/2/2005	16.60	5.24	11.36
	3/2/2006	16.60	3.41	13.19
	6/15/2006	16.60	5.09	11.51
	9/14/2006	16.60	5.68	10.92
	1/11/2007	16.60	4.71	11.89
	4/9/2007	16.60	5.25	11.35
	9/17/2007	16.60	6.56	10.04
	12/19/2007	16.60	5.41	11.19
3/11/2008	16.60	4.89	11.71	
6/10/2008	16.60	6.01	10.59	
9/9/2008	16.60	6.75	9.85	
MW-7	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
	3/28/2003	15.47	5.68	9.79
	6/24/2003	15.47	6.13	9.34
	9/26/2003	15.47	7.22	8.25



TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA
 FORMER LEMOINE SAUSAGE FACTORY
 630 29TH AVENUE
 OAKLAND, CALIFORNIA

Well Identification	Date Measured	Top of Casing Elevation (ft,msl)	Depth to Water (feet)	Groundwater Elevation (ft,msl)
MW-7	12/16/2003	15.47	5.68	9.79
	4/6/2004	15.47	5.60	9.87
	6/23/2004	15.47	6.20	9.27
	9/15/2004	15.47	6.70	8.77
	12/16/2004	15.47	5.15	10.32
	3/22/2005	15.47	NM	NM
	6/24/2005	15.47	NM	NM
	9/13/2005	15.47	6.45	9.02
	12/2/2005	15.47	5.93	9.54
	3/2/2006	15.47	4.65	10.82
	6/15/2006	15.47	5.71	9.76
	9/14/2006	15.47	6.10	9.37
	1/11/2007	15.47	6.04	9.43
	4/9/2007	15.47	5.68	9.79
	9/17/2007	15.47	6.93	8.54
	12/19/2007	15.47	5.81	9.66
	3/11/2008	15.47	5.54	9.93
6/10/2008	15.47	6.49	8.98	
9/9/2008	15.47	7.08	8.39	
MW-8	6/15/2000	17.58	7.14	10.44
	9/22/2000	17.58	8.33	9.25
	12/19/2000	17.58	7.71	9.87
	3/21/2001	17.58	6.40	11.18
	6/20/2001	17.58	7.96	9.62
	9/25/2001	17.58	8.89	8.69
	12/3/2001	17.58	6.58	11.00
	3/25/2002	17.58	5.40	12.18
	6/28/2002	17.58	7.71	9.87
	9/11/2002	17.58	8.40	9.18
	12/16/2002	17.58	5.63	11.95
	3/28/2003	17.58	6.62	10.96
	6/24/2003	17.58	7.44	10.14
	9/26/2003	17.58	8.71	8.87
	12/16/2003	17.58	6.69	10.89
	4/6/2004	17.58	6.74	10.84
	6/23/2004	17.58	7.98	9.60
	9/15/2004	17.58	8.52	9.06
	12/16/2004	17.58	5.61	11.97
	3/22/2005	17.58	5.54	12.04
	6/24/2005	17.58	6.77	10.81
	9/13/2005	17.58	7.92	9.66
	12/2/2005	17.58	7.36	10.22
	3/2/2006	17.58	5.83	11.75
6/15/2006	17.58	6.99	10.59	
9/14/2006	17.58	7.58	10.00	
1/11/2007	17.58	6.30	11.28	
4/9/2007	17.58	7.05	10.53	
9/17/2007	17.58	8.26	9.32	
12/19/2007	17.58	6.95	10.63	
3/11/2008	17.58	6.57	11.01	



TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA
 FORMER LEMOINE SAUSAGE FACTORY
 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	6/10/2008	17.58	7.73	9.85
	9/9/2008	17.58	8.48	9.10
MW-9	12/3/2001	17.61	5.79	11.82
	3/25/2002	17.61	4.98	12.63
	6/28/2002	17.61	7.71	9.90
	9/11/2002	17.61	6.91	10.70
	12/16/2002	17.61	6.58	11.03
	3/28/2003	17.61	6.08	11.53
	6/24/2003	17.61	6.42	11.19
	9/26/2003	17.61	8.14	9.47
	12/16/2003	17.61	6.76	10.85
	4/6/2004	17.61	5.97	11.64
	6/23/2004	17.61	7.80	9.81
	9/15/2004	17.61	7.14	10.47
	12/16/2004	17.61	5.73	11.88
	3/22/2005	17.61	5.31	12.30
	6/24/2005	17.61	6.05	11.56
	9/13/2005	17.61	6.70	10.91
	12/2/2005	17.61	6.92	10.69
	3/2/2006	17.61	5.83	11.78
	6/15/2006	17.61	6.32	11.29
	9/14/2006	17.61	6.79	10.82
	1/11/2007	17.61	5.59	12.02
4/9/2007	17.61	6.35	11.26	
9/17/2007	17.61	7.26	10.35	
12/19/2007	17.61	6.81	10.80	
3/11/2008	17.61	5.95	11.66	
6/10/2008	17.61	6.98	10.63	
9/9/2008	17.61	7.34	10.27	
MW-10	12/3/2001	16.92	4.22	12.70
	3/25/2002	16.92	3.00	13.92
	6/28/2002	16.92	5.65	11.27
	9/11/2002	16.92	6.16	10.76
	12/16/2002	16.92	3.74	13.18
	3/28/2003	16.92	4.54	12.38
	6/24/2003	16.92	5.40	11.52
	9/26/2003	16.92	6.98	9.94
	12/16/2003	16.92	4.94	11.98
	4/6/2004	16.92	4.54	12.38
	6/23/2004	16.92	5.96	10.96
	9/15/2004	16.92	6.86	10.06
	12/16/2004	16.92	4.45	12.47
	3/22/2005	16.92	3.56	13.36
	6/24/2005	16.92	4.58	12.34
	9/12/2005	16.92	6.08	10.84
	12/2/2005	16.92	4.94	11.98
3/2/2006	16.92	3.90	13.02	
6/15/2006	16.92	4.74	12.18	
9/14/2006	16.92	5.27	11.65	
1/11/2007	16.92	4.37	12.55	



TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA
 FORMER LEMOINE SAUSAGE FACTORY
 630 29TH AVENUE
 OAKLAND, CALIFORNIA

Well Identification	Date Measured	Top of Casing Elevation (ft,msl)	Depth to Water (feet)	Groundwater Elevation (ft,msl)
MW-10	4/9/2007	16.92	4.81	12.11
	9/17/2007	16.92	6.48	10.44
	12/19/2007	16.92	5.21	11.71
	3/11/2008	16.92	4.60	12.32
	6/10/2008	16.92	5.77	11.15
	9/9/2008	16.92	6.71	10.21
MW-11	12/3/2001	14.87	5.67	9.20
	3/25/2002	14.87	4.68	10.19
	6/28/2002	14.87	6.35	8.52
	9/11/2002	14.87	6.91	7.96
	12/16/2002	14.87	3.92	10.95
	3/28/2003	14.87	5.17	9.70
	6/24/2003	14.87	5.86	9.01
	9/26/2003	14.87	7.16	7.71
	12/16/2003	14.87	5.61	9.26
	4/6/2004	14.87	5.49	9.38
	6/23/2004	14.87	5.68	9.19
	12/16/2004	14.87	4.69	10.18
	3/22/2005	14.87	4.20	10.67
	6/24/2005	14.87	5.41	9.46
	9/13/2005	14.87	6.23	8.64
	9/15/2005	14.87	6.45	8.42
	12/2/2005	14.87	5.95	8.92
	3/2/2006	14.87	4.31	10.56
	6/15/2006	14.87	5.40	9.47
	9/14/2006	14.87	5.94	8.93
	1/11/2007	14.87	5.45	9.42
	4/9/2007	14.87	5.52	9.35
	9/17/2007	14.87	NM	NM
12/19/2007	14.87	5.74	9.13	
3/11/2008	14.87	4.82	10.05	
6/10/2008	14.87	6.17	8.70	
9/9/2008	14.87	6.98	7.89	
MW-12	6/28/2002	14.05	6.13	7.92
	9/11/2002	14.05	6.82	7.23
	12/16/2002	14.05	4.94	9.11
	3/28/2003	14.05	5.08	8.97
	6/24/2003	14.05	5.73	8.32
	9/26/2003	14.05	6.94	7.11
	12/16/2003	14.05	4.99	9.06
	4/6/2004	14.05	5.04	9.01
	6/23/2004	14.05	5.78	8.27
	9/15/2004	14.05	6.43	7.62
	12/16/2004	14.05	4.34	9.71
	3/22/2005	14.05	3.50	10.55
	6/24/2005	14.05	4.9	9.15
	9/12/2005	14.05	6.11	7.94
	12/2/2005	14.05	5.13	8.92
	3/2/2006	14.05	3.83	10.22
	6/15/2006	14.05	5.18	8.87
9/14/2006	14.05	5.86	8.19	



TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA
 FORMER LEMOINE SAUSAGE FACTORY
 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	1/11/2007	14.05	6.97	7.08
	4/9/2007	14.05	5.31	8.74
	9/17/2007	14.05	6.59	7.46
	12/19/2007	14.05	5.24	8.81
	3/11/2008	14.05	4.80	9.25
	6/10/2008	14.05	6.13	7.92
	9/9/2008	14.05	6.84	7.21
MW-13	6/28/2002	13.39	6.21	7.18
	9/11/2002	13.39	6.66	6.73
	12/16/2002	13.39	3.90	9.49
	3/28/2003	13.39	5.34	8.05
	6/24/2003	13.39	5.99	7.40
	9/26/2003	13.39	6.99	6.40
	12/16/2003	13.39	5.01	8.38
	4/6/2004	13.39	5.35	8.04
	6/23/2004	13.39	6.12	7.27
	9/15/2004	13.39	6.63	6.76
	12/16/2004	13.39	4.69	8.70
	3/22/2005	13.39	4.86	8.53
	6/24/2005	13.39	5.13	8.26
	9/12/2005	13.39	6.33	7.06
	12/2/2005	13.39	5.25	8.14
	3/2/2006	13.39	4.33	9.06
	6/15/2006	13.39	5.44	7.95
	9/14/2006	13.39	6.03	7.36
	1/11/2007	13.39	5.41	7.98
	4/9/2007	13.39	5.71	7.68
	9/17/2007	13.39	6.65	6.74
12/19/2007	13.39	5.37	8.02	
3/11/2008	13.39	5.32	8.07	
6/10/2008	13.39	6.40	6.99	
9/9/2008	13.39	7.03	6.36	

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 refers to Not Measured.
3. ft, msl refers to feet above mean sea level.

TABLE 2

**HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA**



Well Location	Date Sampled	TPH-g (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	2/8/1999	48,000	3,900	6,300	970	4,300	NA	<30	NA	NA	NA	
	6/15/2000	29,000	3,900	<100	1,900	4,200	<5.0	<5.0	<5.0	<5.0	<5.0	
	9/22/2000	25,000	3,100	1,800	470	3,600	NA	NA	NA	NA	NA	
	12/19/2000	25,000	3,200	1,900	480	3,300	<2.5	<2.5	<2.5	<2.5	<2.5	
	3/21/2000	21,000	3,200	1,700	290	2,600	<2.5	<2.5	<2.5	<2.5	<2.5	
	6/21/2001	12,000	2,000	880	180	1,180	<0.5	3.0	<0.5	<0.5	<0.5	
	9/26/2001	16,000	1,100	130	< 10	320	< 2.5	< 2.5	< 2.5	< 2.5	< 2.5	
	12/3/2001	15,000	2,800	1,200	310	1,660	<3.1	<3.1	<3.1	<3.1	<3.1	
	3/25/2002	11,000	3,200	1,200	73	1,860	<5	<5	<5	<5	<5	
	6/28/2002	26,000	3,200	1,800	640	2,900	<3.1	<3.1	<3.1	<3.1	<3.1	
	9/11/2002	27,000	3,200	1,900	720	3,500	<4.2	<4.2	<4.2	<4.2	<4.2	
	12/16/2002	20,000	2,800	490	500	2,300	<4.2	<4.2	<4.2	<4.2	<4.2	
	3/28/2003	20,000	2,700	1,500	650	2,300	<3.6	<3.6	<3.6	<3.6	<3.6	
	6/24/2003	14,000	2,400	1,400	500	2,100	<4.2	<4.2	<4.2	<4.2	<4.2	
	9/26/2003	11,000	1,200	960	370	1,600	<1.0	<1.0	<1.0	<1.0	<1.0	
	12/16/2003	Not Sampled										
	4/6/2004	18,000	2,400	1,300	550	1,730	<2.0	<2.0	<2.0	<2.0	<2.0	
	6/23/2004	25,000	2,700	1,700	680	2,300	<2.5	<2.5	<2.5	<2.5	<2.5	
	9/15/2004	Not Sampled										
	12/16/2004	1,800	260	89	32	119	<2.5	<2.5	<2.5	<2.5	<2.5	
	3/22/2005	19,000	2,400	960	530	1,330	<3.6	<3.6	<3.6	<3.6	<3.6	
	6/24/2005	12,000	2,400	450	470	940	<3.6	<3.6	<3.6	<3.6	<3.6	
	9/13/2005	17,000	2,700	1,000	740	1,760	<1.0	<1.0	<1.0	<1.0	<1.0	
	12/2/2005	9,300	1,500	500	420	1,060	<3.6	<3.6	<3.6	<3.6	<3.6	
	3/2/2006	6,200	1,400	200	180	370	<3.6	<3.6	<3.6	<3.6	<3.6	
	6/15/2006	10,000	2,500	200	440	570	<4.2	<4.2	<4.2	<4.2	<4.2	
	9/14/2006	13,000	2,300	320	450	870	<4.2	<4.2	<4.2	<4.2	<4.2	
1/11/2007	14,000	1,200	270	450	850	<2.0	<2.0	<2.0	<2.0	<2.0		
4/9/2007	12,000	1,800	270	520	750	<2.0	<2.0	<2.0	<2.0	<2.0		
9/17/2007	9,000	1,200	230	450	471	<2.0	<2.0	<2.0	<2.0	<2.0		
12/19/2007	12,000	1,400	290	670	746	<2.5	<2.5	<2.5	<2.5	<2.5		
3/11/2008	10,000	1,900	280	550	650	<2.5	<2.5	<2.5	<2.5	<2.5		
6/10/2008	8,700	1,700	170	430	373	<2.5	<2.5	<2.5	<2.5	<2.5		
9/9/2008	7,600	830	230	540	350	<1.7	<1.7	<1.7	<1.7	<1.7		
MW-2	2/8/1999	41,000	11,000	4,900	650	1,720	NA	60	NA	NA	NA	
	6/29/2000	31,000	11,000	930	4,400	250	<5.0	25	<5.0	<5.0	<5.0	
	9/22/2000	24,000	10,000	2,700	370	1,200	NA	NA	NA	NA	NA	
	12/19/2000	43,000	9,800	4,000	810	2,430	<13	21	<13	<13	<13	
	3/23/2001	34,000	10,000	3,200	410	1,220	<13	14	<13	<13	<13	
	6/21/2001	30,000	8,600	2,600	440	1,230	<0.5	5.6	<0.5	<0.5	<0.5	
	9/26/2001	26,000	12,000	3,900	590	1,960	< 10	11	< 10	< 10	< 10	
	12/3/2001	45,000	13,000	5,100	950	2,930	<7.1	14	<7.1	<7.1	<7.1	
	3/25/2002	21,000	11,000	3,700	1,000	2,790	<17	<17	<17	<17	<17	
	6/28/2002	8,400	2,200	680	21	220	<3.1	8.8	<3.1	<3.1	<3.1	
	9/11/2002	23,000	6,600	1,000	600	1,320	<6.3	10	<6.3	<6.3	<6.3	
	12/16/2002	6,000	1,600	410	150	402	4.5	2.7	69	6.9	<2.5	
	3/28/2003	30,000	9,300	920	930	2,000	<13	14	<13	<13	<13	
	6/24/2003	19,000	10,000	1,700	1,100	2,530	<13	<13	<13	<13	<13	
	9/26/2003	20,000	10,000	2,100	960	2,520	<17	<17	<17	<17	<17	
	12/16/2003	22,000	10,000	2,700	1,200	2,920	<25	<25	<25	<25	<25	
	4/6/2004	27,000	7,600	1,700	630	1,420	<10	<10	<10	<10	<10	
	6/23/2004	33,000	8,200	1,800	870	1,930	<17	<17	<17	<17	<17	
	9/15/2004	46,000	13,000	1,300	1,400	2,710	<17	<17	<17	<17	<17	
12/16/2004	Not Sampled											
3/22/2005	42,000	9,900	1,200	1,200	2,530	<17	<17	<17	<17	<17		
6/24/2005	31,000	12,000	1,200	810	1,380	<20	<20	<20	<20	<20		
9/13/2005	35,000	13,000	1,100	1,300	2,260	<7.1	<7.1	<7.1	<7.1	<7.1		
12/2/2005	Not Sampled											
DHS MCL		-	1	150	300	1,750	5	0.5	6	10	0.5	

TABLE 2

HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA



Well Location	Date Sampled	TPH-g (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-2	3/2/2006	25,000	7,900	620	740	1,260	<7.1	<7.1	<7.1	<7.1	<7.1	
	6/15/2006	47,000	11,000	800	1,200	2,230	<20	<20	<20	<20	<20	
	9/14/2006	50,000	11,000	470	1,200	2,330 C	<10	<10	<10	<10	<10	
	1/11/2007	29,000	10,000	240	1,100	1,340	<13	<13	<13	<13	<13	
	4/9/2007	33,000	9,200	1,000	1,200	1,510	<13	<13	<13	<13	<13	
	9/17/2007	11,000	9,200	410	1,100	1,300	<13	<13	<13	<13	<13	
	12/19/2007	32,000	9,900	240	1,100	770	<17	<17	<17	<17	<17	
	3/11/2008	40,000	12,000	270	1,500	1,290	<13	<13	<13	<13	<13	
	6/10/2008	26,000	9,700	160	990	890	<13	<13	<13	<13	<13	
	9/9/2008	34,000	12,000	130	1,600	790	<13	<13	<13	<13	<13	
	MW-3	2/8/1999	35,000	1,200	3,400	1,400	4,900	NA	<30	NA	NA	NA
6/29/2000		39,000	7,800	630	8,000	3,400	<5.0	600	<5.0	<5.0	<5.0	
9/22/2000		83,000	16,000	20,000	1,300	7,000	NA	NA	NA	NA	NA	
12/19/2000		50,000	1,200	1,600	510	1,810	<8.3	350	<8.3	<8.3	<8.3	
3/22/2001		1,300	98	67	51	104	<0.5	2.3	<0.5	<0.5	<0.5	
6/21/2001		34,000	5,900	6,200	340	1,550	2.4	120	0.8	<0.5	<0.5	
9/26/2001		59,000	12,000	13,000	780	3,680	< 8.3	990	< 8.3	< 8.3	< 8.3	
Removed from sampling program in October 2001												
2/8/1999		15,000	670	90	780	940	NA	<30	NA	NA	NA	
6/15/2000		2,300	230	<5	10	94	<0.5	0.88	2.1	<0.5	<0.5	
9/22/2000	12,000	2,800	82	1,100	1,300	NA	NA	NA	NA	NA		
12/19/2000	2,200	200	2.9	100	81.4	<0.5	<0.5	<0.5	<0.5	<0.5		
3/22/2001	5,600	1,100	13	310	303	<0.5	<0.5	1.6	<0.5	<0.5		
6/21/2001	11,000	2,300	26	570	641	<0.5	1.4	3.3	<0.5	<0.5		
9/26/2001	17,000	7,900	< 50	440	581	< 0.5	1.9	8.1	< 0.5	< 0.5		
Removed from sampling program in October 2001												
MW-5	2/8/1999	4,900	780	440	230	370	<0.5	<0.5	<0.5	<0.5	<0.5	
	6/29/2000	3,900	1,500	28	330	260	<0.5	36	<0.5	<0.5	<0.5	
	9/27/2000	16,000	4,300	3,100	420	1,600	NA	NA	NA	NA	NA	
	12/19/2000	21,000	3,200	1,100	1,100	1,300	<4.2	15	<4.2	<4.2	<4.2	
	3/22/2001	6,200	1,500	360	310	288	<0.5	3.3	<0.5	<0.5	<0.5	
	6/21/2001	18,000	3,400	2,300	350	1,020	<0.5	21	<0.5	<0.5	<0.5	
	9/26/2001	5,100	2,400	1,200	< 10	460	< 3.6	22	< 3.6	< 3.6	< 3.6	
Removed from sampling program in October 2001												
MW-6	6/15/2000	1,100	3.8	2.2	2.1	4.8	< 0.5	0.78	< 0.5	< 0.5	< 0.5	
	9/22/2000	71	< 0.5	< 0.5	< 0.5	< 0.5	NA	NA	NA	NA	NA	
	12/19/2000	320	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
	3/21/2001	820	< 0.5	< 0.5	1.4	0.52	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
	6/21/2001	420	< 0.5	< 0.5	0.59	1	< 0.5	0.9	< 0.5	< 0.5	< 0.5	
	9/25/2001	760	< 0.5	< 0.5	< 0.5	2.9	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
	12/3/2001	72	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1.6	< 0.5	< 0.5	< 0.5	
	3/25/2002	1,200	22	8.0	5.7	13.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
	6/28/2002	120	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.6	< 0.5	< 0.5	< 0.5	
	9/11/2002	120	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
	12/16/2002	62	< 0.5	0.54	3.0	8.39	0.7	1	< 0.5	< 0.5	< 0.5	
	3/28/2003	Not Sampled										
	6/24/2003	130	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
	9/26/2003	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.7	< 0.5	< 0.5	
	12/16/2003	<50	< 0.5	< 0.5	< 0.5	< 0.5	0.88	1.7	< 0.5	0.6	< 0.5	
	4/6/2004	260	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
	6/23/2004	63	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.8	< 0.5	< 0.5	< 0.5	
	9/15/2004	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
	12/16/2004	240	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	
	3/22/2005	420	< 0.5	< 0.5	< 0.5	< 0.5	0.95	< 0.5	< 0.5	< 0.5	< 0.5	
6/24/2005	91	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5		
DHS MCL		-	1	150	300	1,750	5	0.5	6	10	0.5	

TABLE 2

**HISTORICAL GROUNDWATER ANALYTICAL RESULTS
FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA**



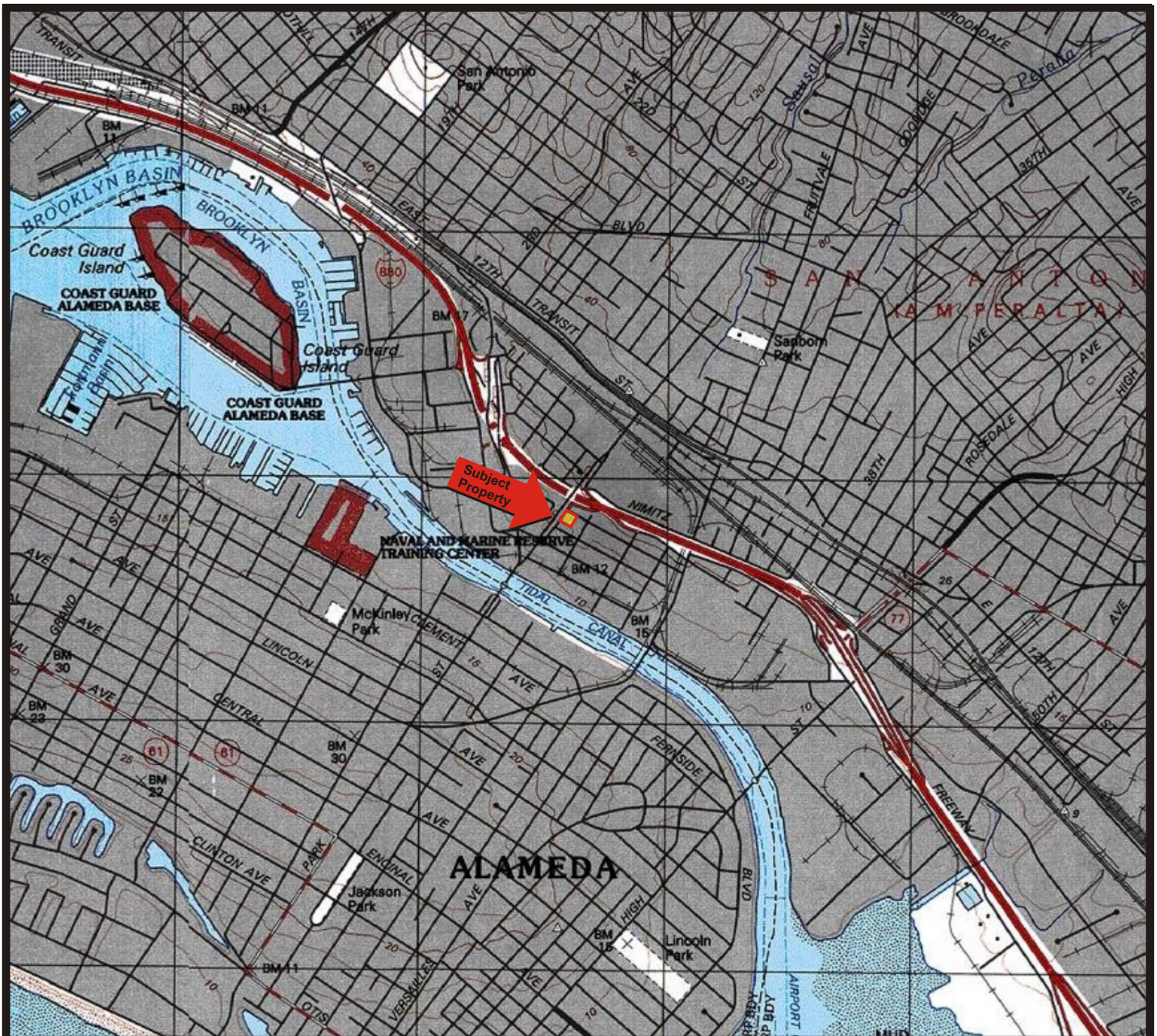
Well Location	Date Sampled	TPH-g (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	TCE (ug/L)	1,2-DCA (ug/L)	cis-1,2-DCE (ug/L)	trans-1,2-DCE (ug/L)	VC (ug/L)
MW-13	12/16/2003	8,100	120	36	72	26.6	66	<0.7	240	23	10
	4/6/2004	3,300	22	<1.0	37	9.0	90	<0.5	190	23	8
	6/23/2004	7,000	140	25	88	21	53	<2.0	350	31	25
	9/15/2004	6,700	84	<1.0	78	7.2	37	<1.7	300	40	31
	12/16/2004	4,300	61	<0.5	44	11.5	69	<2.0	240	32	15
	3/22/2005	3,000	24	<0.5	20	7.6	72	<0.5	120	23	6.6
	6/24/2005	2,600	63	<0.5	25	4.3	42	<1.0	150	36	16
	9/12/2005	2,500	20 C	<0.5	33	6.7 c	25	<1.3	170	38	22
	12/2/2005	4,200 Y	70 C	<0.5	21 C	15.5 C	17	<1.3	140	40	24
	3/2/2006	3,200 L Y	67 C	<0.5	27	5.19 C	43	<0.8	110	32	16
	6/15/2006	3,400	92 C	<0.5	26	3.4 C	43	<0.8	120	39	18
	9/14/2006	2,000	<0.5	<0.5	64 C	38 C	15	<0.8	93	45	17
	1/11/2007	25,000 Y	44	<5.0	160	69 C	24	<0.8	87	45	11
	4/9/2007	5,800 Y	42 C	<5.0	41	21.2 C	34	<0.8	82	43	14
	9/17/2007	3,800 L	52 C	4.0	25	8.2 C	11	<0.8	56	65	11
	12/19/2007	8,400	<0.5	<0.5	41	23.2 C	21	<0.5	77	61	10
	3/11/2008	6,300 Y	<0.5	<0.5	59	8.8 C	22	<1.0	49	41	7.4
6/10/2008	7,000	87 C	<0.5	37	9.0 C	9.5	<1.0	31	51	4.7	
9/9/2008	4,300	29 C	<0.5	41	9.5 C	17	<0.5	52	<0.5	6.5	
DHS MCL		-	1	150	300	1,750	5	0.5	6	10	0.5

Notes:

- All results are reported in micrograms per liter (µg/L).
- NA refers to Not Analyzed.
- NS refers to Not Sampled.
- TPH-g refers to Total Petroleum Hydrocarbons as Gasoline.
- MTBE refers to Methyl tert-butyl ether.
- TCE refers to Trichloroethene.
- trans-1,2-DCE refers to trans-1,2-dichloroethene.
- cis-1,2-DCE refers to cis-1,2-Dichloroethene.
- VC refers to Vinyl Chloride.
- 1,2-DCA refers to 1,2-dichloroethane.
- Y=Sample exhibits chromatographic pattern which does not resemble standard.
- Z=Sample exhibits unknown single peak or peaks.
- C=Presence confirmed, but RPD between columns exceed 40%.
- L=Lighter hydrocarbons contributed to the quantitation.
- RWQCB ESL refers to the California Regional Water Quality Control Board Environmental Screening Level for shallow soils less than 10 feet deep assuming groundwater is a current or potential source of drinking water, as presented in Table A of the RWQCB ESLs (2005).
- DHS MCL refers to California Department of Health Services Maximum Contaminant Level.
- Bromodichloromethane and Chloroethane were detected at 4.3 and 2.1 µg/L, respectively, in Well MW-13 during Third Quarter 2007 Event.
- 1,1-Dichloroethene was detected in Well MW-8 at a concentration of 1.1 µg/L during First Quarter 2008 Event.
- Chloroethane was detected in Well MW-13 at a concentration of 1.3 1.1 µg/L during Third Quarter 2008 Event.

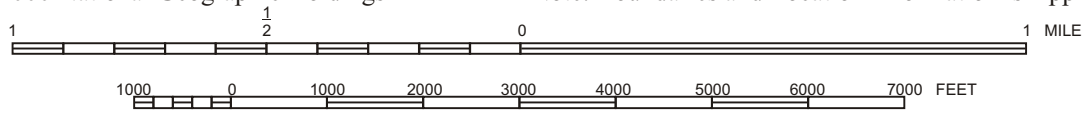


FIGURES



Map Source: TOPO!© 2000 National Geographic Holdings

Note: Boundaries and Location Information is Approximate



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



QUADRANGLE LOCATION

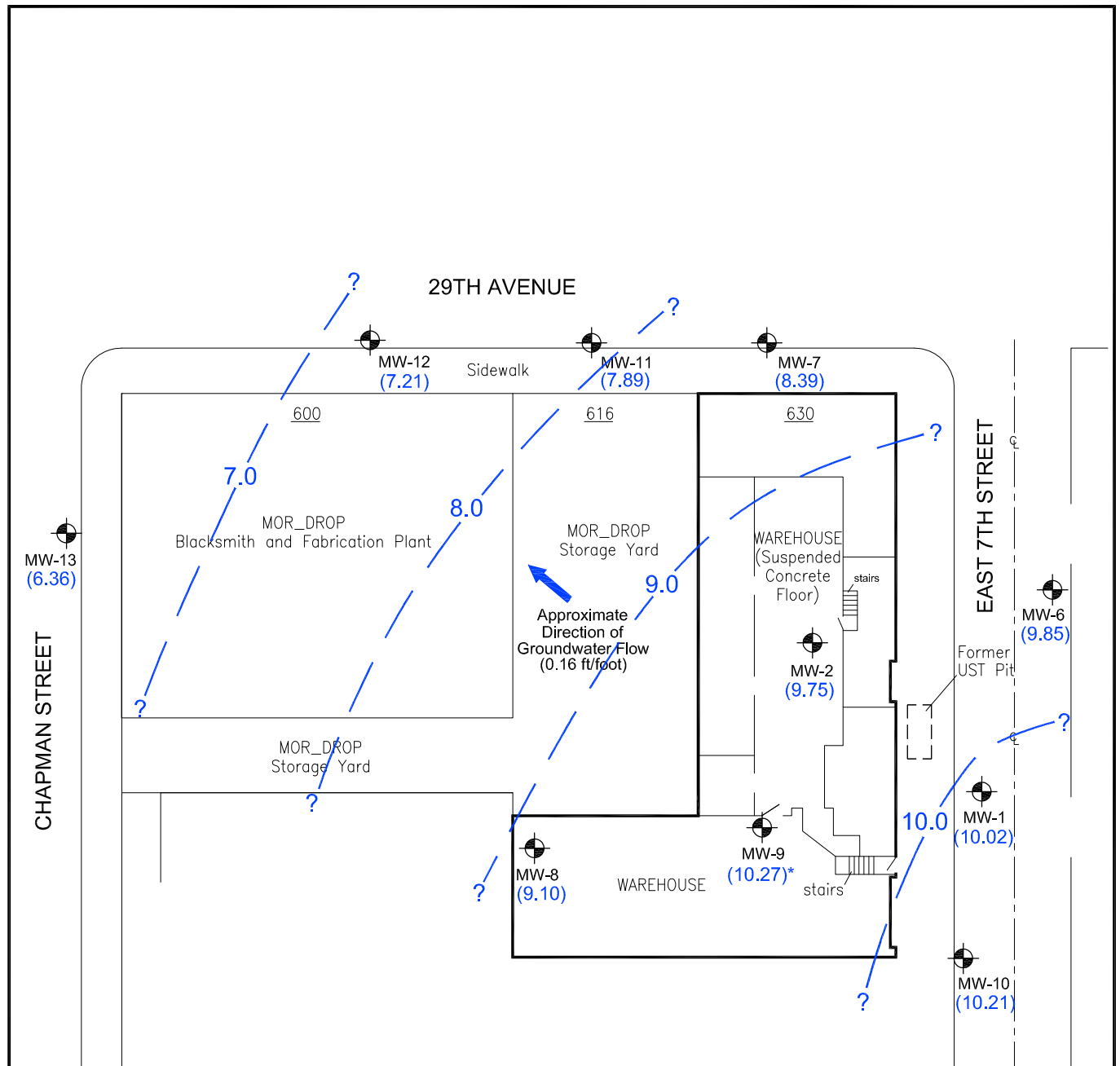
PROPERTY LOCATION MAP
 Former Lemoine Sausage Factory
 630 29th Avenue
 Oakland, California
 Project No. 33104-004578.00

FIGURE

1



**BUREAU
 VERITAS**



LEGEND:

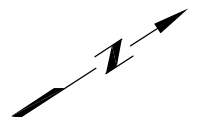
MW-1 Existing Monitoring Well Location

(10.02) Groundwater Elevation (ft msl), 09/09/08

10- Groundwater Surface Elevation Contour (ft msl)

ft msl Feet Above Mean Sea Level

* MW-9 data not used in contouring



**GROUNDWATER ELEVATION MAP,
3rd QUARTER 2008**

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Project No. 33104-004578.00

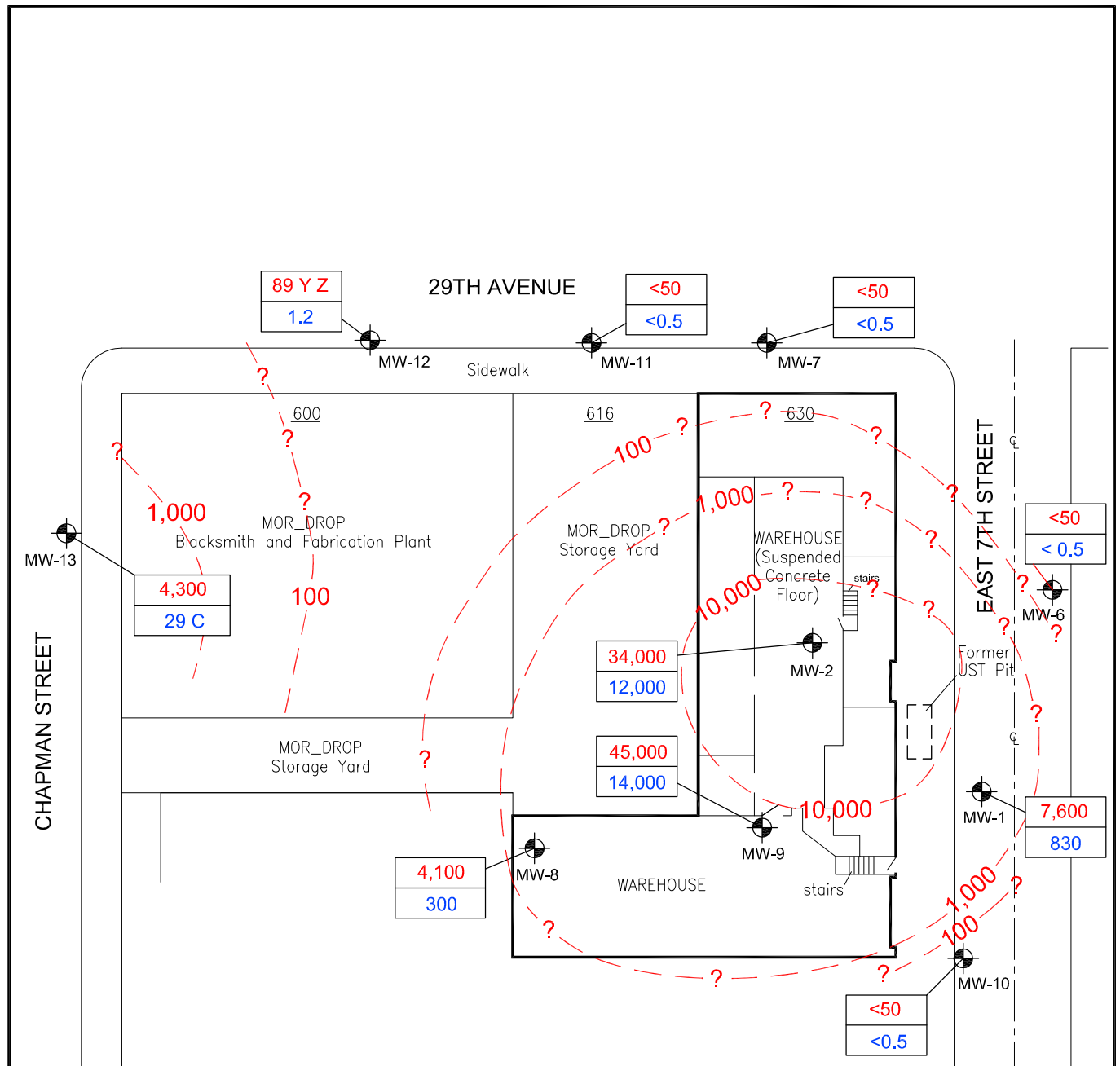
Figure

2

09/29/08
SITE0908.DWG



**BUREAU
VERITAS**



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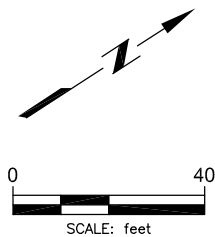
MW-1 Existing Monitoring Well Location

45,000 TPH-g Concentration (ug/L), 09/09/08

14,000 Benzene Concentration (ug/L), 09/09/08

100 TPH-g Isoconcentration Contour (ug/L)

TPH-g Total Petroleum Hydrocarbons as Gasoline
ug/L micrograms per liter



TPH-g CONCENTRATIONS IN GROUNDWATER, 3rd QUARTER 2008

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Project No. 33104-004578.00

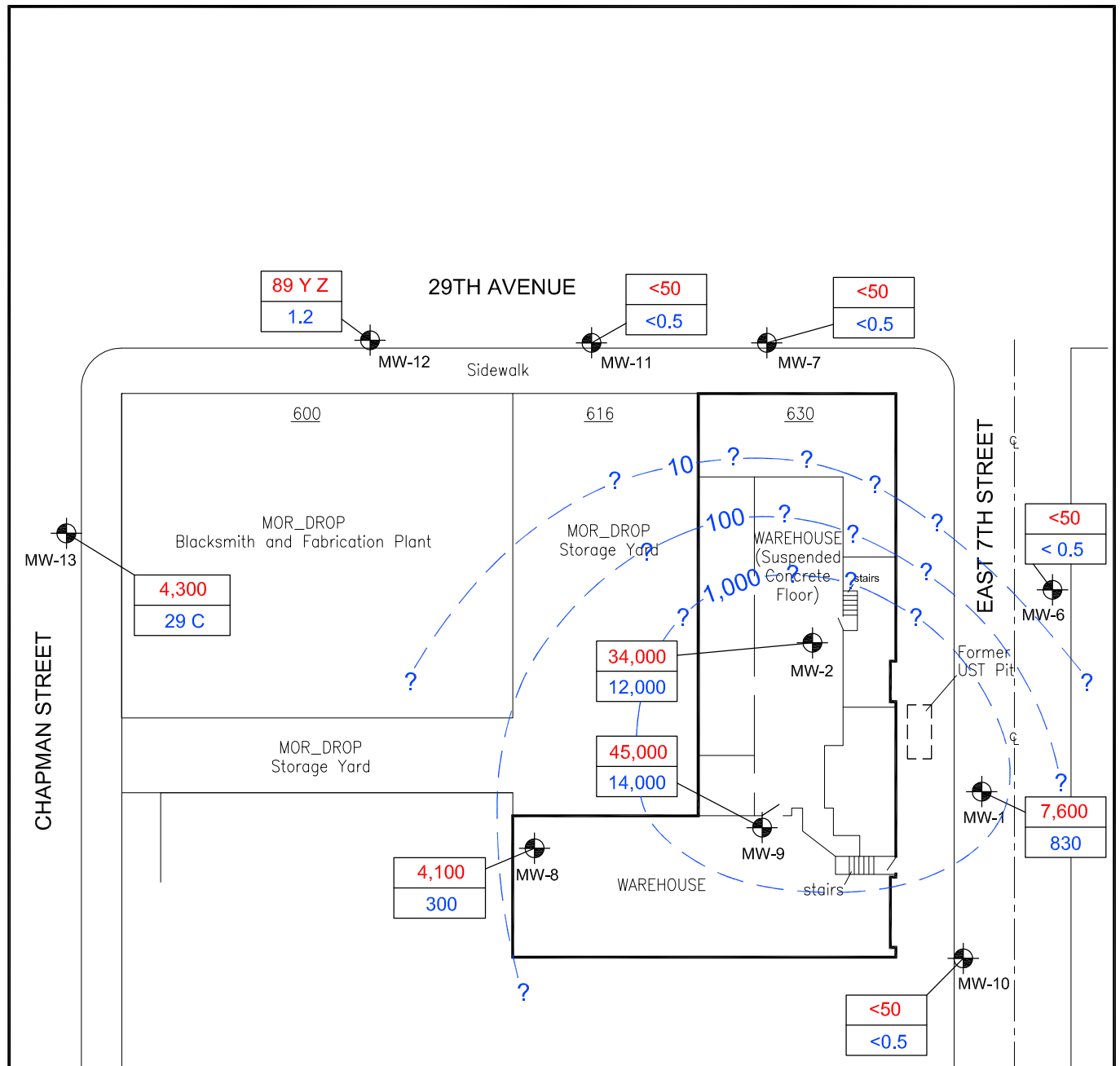
Figure

3

09/29/08
SITE0908.DWG



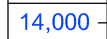
BUREAU VERITAS



LEGEND:

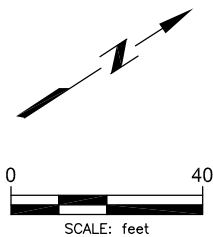
MW-1  Existing Monitoring Well Location

 TPH-g Concentration (ug/L), 09/09/08

 Benzene Concentration (ug/L), 09/09/08

 Benzene Isoconcentration Contour (ug/L)

TPH-g Total Petroleum Hydrocarbons as Gasoline
ug/L micrograms per liter



BENZENE CONCENTRATIONS IN GROUNDWATER, 3rd QUARTER 2008

FORMER LEMOINE SAUSAGE FACTORY
630 29TH AVENUE
OAKLAND, CALIFORNIA
Project No. 33104-004578.00

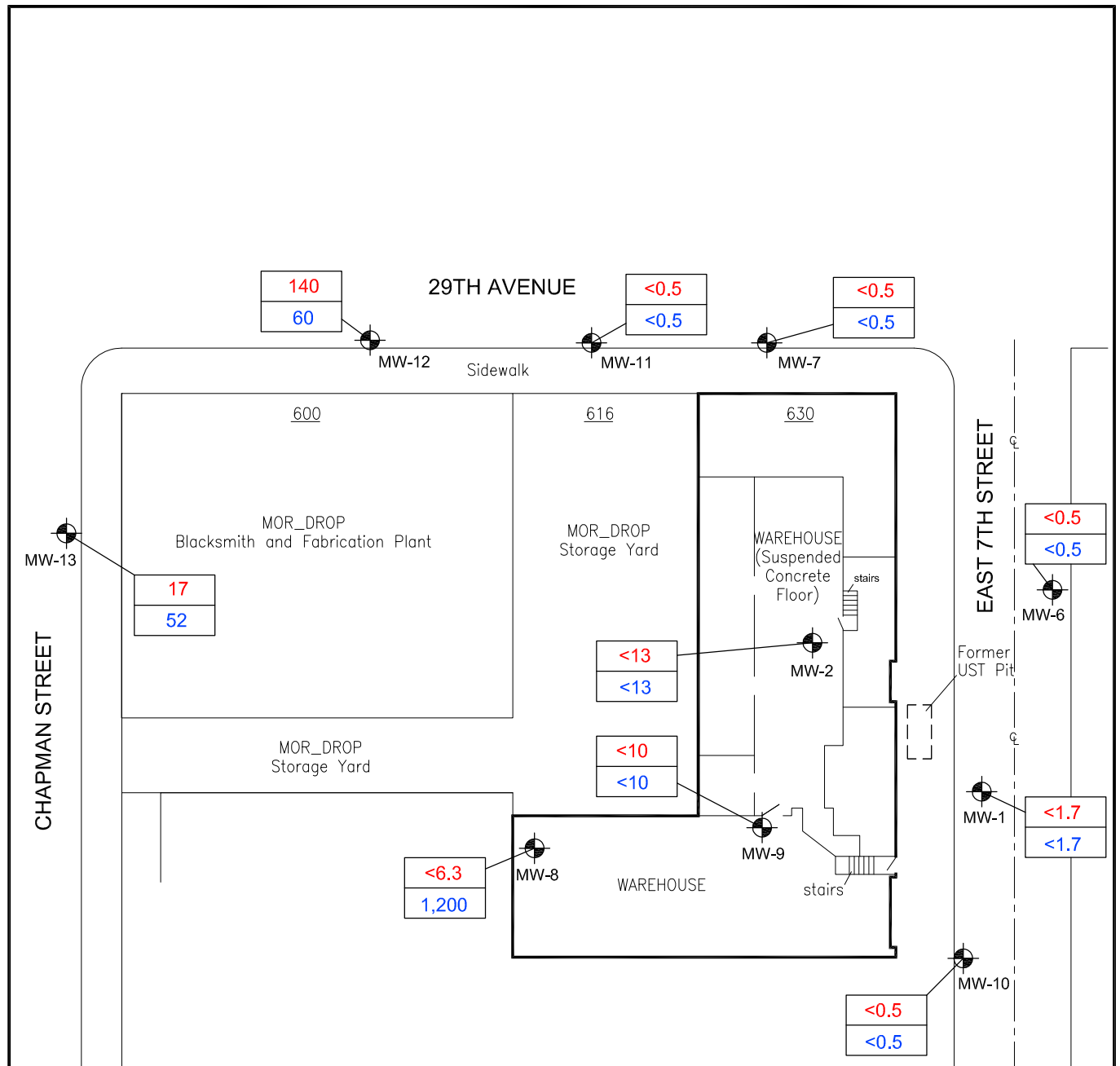
Figure

4

09/29/08
SITE0908.DWG



BUREAU VERITAS



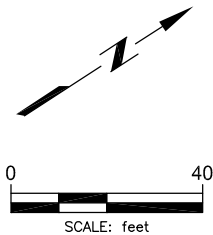
LEGEND:

MW-1 Existing Monitoring Well Location

TCE Concentration (ug/L), 09/09/08

cis 1,2-DCE Concentration (ug/L), 09/09/08

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



**TCE AND cis-1,2-DCE
 CONCENTRATIONS IN GROUNDWATER,
 3rd QUARTER 2008**
 FORMER LEMOINE SAUSAGE FACTORY
 630 29TH AVENUE
 OAKLAND, CALIFORNIA
 Project No. 33104-004578.00

Figure

5

09/29/08
 SITE0908.DWG





APPENDIX A

FIELD SAMPLING DATA SHEETS



GROUNDWATER SAMPLING DATA SHEET

Project Name: Former Lemoine Sausage Factory	Well ID Number: MW-1
Project No.: 33104-004578.00	Sample ID Number: MW-1
Project Location: 630 29th Avenue, Oakland, CA	Date Gauged: 9-9-08
Field Technician: Jeremy Wilson	Date Purged: 9-9-08
Weather Conditions: Foggy	Date Sampled: 9-9-08
Top of Casing Elevation (ft, msl): 16.69	Casing Diameter (inches): 3/4 "
Depth to Water Elevation (ft, btoc): 10.67	Wellhead Condition: OK
Groundwater Elevation (ft, msl): 10.62	Presence of Wellhead Gases: No
Depth to Well Bottom (ft, btoc): 7.69	Vapor Reading (ppm): -
Water Column Height (ft): 2.33	Presence of SPH: NO
Calculated Purge Volume (gal): 6.21 0.21	Thickness of SPH (ft): -
Actual Purge Volume (gal): 0	Comments:

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed (gal)	Specific Conductivity	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L	ORP	Odor

Water Level Indicator Model & No.: Heron D.pper-T R5463	Purge Method: Peristaltic Pump
pH/Cond/Temp Meter Model: Hanna U-22 R3840	Purge Equipment Used: Peristaltic Pump
Turbidity Meter Model: 	Purge Rate (gpm):
Sample Collection Time: 1620	Chemical Laboratory: Curtis and Tompkins
Sample Collection Method: Peristaltic Pump	Chemical Analysis: TPH-g/BTEX/VOCs
Sample Containers Used: Voas	

Other Field Observations: No odor
 Slow recharge or small amount of GW, no purging conducted



GROUNDWATER SAMPLING DATA SHEET

Project Name: Former Lemoine Sausage Factory	Well ID Number: MW-2
Project No.: 33104-004578.00	Sample ID Number: MW-2
Project Location: 630 29th Avenue, Oakland, CA	Date Gauged: 9-9-08
Field Technician: Jeremy Wilson	Date Purged: 9-9-08
Weather Conditions: Foggy / overcast	Date Sampled: 9-9-08

Top of Casing Elevation (ft, msl): 20.79	Casing Diameter (inches): 3/4"
Depth to Water Elevation (ft, btoc): 11.04	Wellhead Condition: OK
Groundwater Elevation (ft, msl): 9.75	Presence of Wellhead Gases: NO
Depth to Well Bottom (ft, btoc): 0.79	Vapor Reading (ppm): -
Water Column Height (ft): 8.96	Presence of SPH: NO
Calculated Purge Volume (gal): 0.82 was	Thickness of SPH (ft): -
Actual Purge Volume (gal): 0	Comments:

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed (gal)	Specific Conductivity	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L	ORP	Odor

Water Level Indicator Model & No.: Heron Dipper-T RS463	Purge Method: Peristaltic Pump
pH/Cond/Temp Meter Model: Hanna U-22 R3840	Purge Equipment Used: Peristaltic Pump
Turbidity Meter Model: I	Purge Rate (gpm):
Sample Collection Time: 1325	Chemical Laboratory: Curtis and Tompkins
Sample Collection Method: Peristaltic Pump	Chemical Analysis: TPH-g/BTEX/VOCs
Sample Containers Used: Voas	

Other Field Observations: Not enough H2O to purge + slow recharge sampled only
Petroleum odor



GROUNDWATER SAMPLING DATA SHEET

Project Name: Former Lemoine Sausage Factory	Well ID Number: MW-6	
Project No.: 33104-004578.00	Sample ID Number: MW-6	
Project Location: 630 29th Avenue, Oakland, CA	Date Gauged: 9-9-08	
Field Technician: Jeremy Wilson	Date Purged: 9-9-08	
Weather Conditions: Clear Partly Cloudy	Date Sampled: 9-9-08	
Top of Casing Elevation (ft, msl): 16.60	Casing Diameter (inches): 2"	
Depth to Water Elevation (ft, btoc): 6.75	Wellhead Condition: OK	
Groundwater Elevation (ft, msl): 9.85	Presence of Wellhead Gases: No	
Depth to Well Bottom (ft, btoc): -3.40	Vapor Reading (ppm): -	
Water Column Height (ft): 13.25	Presence of SPH: No	
Calculated Purge Volume (gal): 2.25	Thickness of SPH (ft): -	
Actual Purge Volume (gal): 2.25	Comments:	

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= 12 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed (gal)	Specific Conductivity	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L	ORP	Odor
1638	0	68.8 m S/m	23.2	4.62	7.44	27.4	92	No
1642	2.25	73.4	23.0	2.47	7.17	18.6	110	No
1646	2.25	81.2	22.2	2.11	7.03	23.2	179	No
1651	2.25	85.1	22.1	2.38	7.02	157	290	No

Water Level Indicator Model & No.: <u>Aeron Dipper-T R5463</u>	Purge Method: <u>Disposable Bailer</u>
pH/Cond/Temp Meter Model: <u>Hanna-U-22 R3840</u>	Purge Equipment Used: <u>Disposable Bailer</u>
Turbidity Meter Model: <u>+</u>	Purge Rate (gpm): <u>-</u>
Sample Collection Time: <u>1657</u>	Chemical Laboratory: <u>Curtis and Tompkins</u>
Sample Collection Method: <u>Disposable Bailer</u>	Chemical Analysis: <u>TPH-g/BTEX/VOCs</u>
Sample Containers Used: <u>Voas</u>	

Other Field Observations: no odor



GROUNDWATER SAMPLING DATA SHEET

Project Name: Former Lemoine Sausage Factory	Well ID Number: MW-7	Date Gauged: 9-9-08
Project No.: 33104-004578.00	Sample ID Number: MW-7	Date Purged: 9-9-08
Project Location: 630 29th Avenue, Oakland, CA	Date Sampled: 9-9-08	
Field Technician: Jeremy Wilson		
Weather Conditions: Partly Cloudy		

Top of Casing Elevation (ft, msl): 15.47	Casing Diameter (inches): 2"	Wellhead Condition: OK
Depth to Water Elevation (ft, btoc): 7.08	Presence of Wellhead Gases: No	Vapor Reading (ppm): -
Groundwater Elevation (ft, msl): 8.39	Presence of SPH: No	Thickness of SPH (ft): -
Depth to Well Bottom (ft, btoc): -4.53		
Water Column Height (ft): 12.92		
Calculated Purge Volume (gal): 2.20		
Actual Purge Volume (gal): 2.25	Comments:	

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed (gal)	Specific Conductivity	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L	ORP	Odor
1534	0	75.2 m S/m	21.2	4.77	7.47	56.3	204	NO
1539	2.25	77.6 m S/m	21.0	3.73	7.33	104	199	NO
1544	2.25	77.4 m S/m	20.3	3.28	7.23	162	185	NO
1548	2.25	75.2 m S/m	20.2	3.05	7.21	378	186	NO

Water Level Indicator Model & No.: Heron Dipper-T R5463	Purge Method: Disposable Bailer
pH/Cond/Temp Meter Model: HANNA U-22 R3840	Purge Equipment Used: Disposable Bailer
Turbidity Meter Model: ↓	Purge Rate (gpm):
Sample Collection Time: 1555	Chemical Laboratory: Curtis and Tompkins
Sample Collection Method: Disposable Bailer	Chemical Analysis: TPH-g/BTEX/VOCs
Sample Containers Used: Voas	

Other Field Observations: no odor



GROUNDWATER SAMPLING DATA SHEET

Project Name: Former Lemoine Sausage Factory		Well ID Number: MW-8
Project No.: 33104-004578.00		Sample ID Number: MW-8
Project Location: 630 29th Avenue, Oakland, CA		Date Gauged: 9-9-08
Field Technician: Jeremy Wilson		Date Purged: 9-9-08
Weather Conditions: clear/sunny		Date Sampled: 9-9-08
Top of Casing Elevation (ft, msl): 17.58	Casing Diameter (inches): 2"	
Depth to Water Elevation (ft, btoc): 8.48	Wellhead Condition: ok	
Groundwater Elevation (ft, msl): 9.10	Presence of Wellhead Gases: NO	
Depth to Well Bottom (ft, btoc): -2.42	Vapor Reading (ppm): -	
Water Column Height (ft): 11.52	Presence of SPH: NO	
Calculated Purge Volume (gal): 1.96	Thickness of SPH (ft): -	
Actual Purge Volume (gal): 2.0	Comments:	

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed (gal)	Specific Conductivity (S/m)	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L	ORP	Odor
1200	0	0.173	17.5	9.81	7.05	494	-36	yes
1210	2	0.177	17.4	1.48	6.82	561	-24	yes
1214	2 1/4	0.180	17.1	2.12	6.84	244	-12	yes
1218	2 1/2	0.187	17.0	2.30	6.84	15.7	-47	yes

Water Level Indicator Model & No.: Heron Dipper-T R5463	Purge Method: Disposable Bailer
pH/Cond/Temp Meter Model: Heron u-22 R3840	Purge Equipment Used: Disposable Bailer
Turbidity Meter Model: ↓	Purge Rate (gpm): —
Sample Collection Time: 1245	Chemical Laboratory: Curtis and Tompkins
Sample Collection Method: Disposable Bailer	Chemical Analysis: TPH-g/BTEX/VOCs
Sample Containers Used: Voas	

Other Field Observations: Petroleum odor
 Well purged dry during 3rd event
 DTW 9.9.8 at Sample time



GROUNDWATER SAMPLING DATA SHEET

Project Name: Former Lemoine Sausage Factory	Well ID Number: MW-9	
Project No.: 33104-004578.00	Sample ID Number: MW-9	
Project Location: 630 29th Avenue, Oakland, CA	Date Gauged: 9-9-08	
Field Technician: Jeremy Wilson	Date Purged: 9-9-08	
Weather Conditions: clear + sunny	Date Sampled: 9-9-08	
Top of Casing Elevation (ft, msl): 17.61	Casing Diameter (inches): 2"	
Depth to Water Elevation (ft, btoc): 7.34	Wellhead Condition: ok	
Groundwater Elevation (ft, msl): 10.27	Presence of Wellhead Gases: No	
Depth to Well Bottom (ft, btoc): 2.61	Vapor Reading (ppm): -	
Water Column Height (ft): 7.66	Presence of SPH: No	
Calculated Purge Volume (gal): 1.30	Thickness of SPH (ft): -	
Actual Purge Volume (gal): 1.5	Comments:	

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed (gal)	Specific Conductivity	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L	ORP	Odor
1230	0	0.999	18.0	2.03	6.38	392.1	-38	yes
1235	1.5	0.90	18.0	2.10	6.55	387.0	-39	yes
1238	1.0	0.977	17.8	8.66	6.61	300.0	-33	yes

Water Level Indicator Model & No.: Heron Dipper-T 05463	Purge Method: Disposable Bailer
pH/Cond/Temp Meter Model: Heron Hanna U-22 R3840	Purge Equipment Used: Disposable Bailer
Turbidity Meter Model: _____	Purge Rate (gpm): _____
Sample Collection Time: 1255	Chemical Laboratory: Curtis and Tompkins
Sample Collection Method: Disposable Bailer	Chemical Analysis: TPH-g/BTEX/VOCs
Sample Containers Used: Voas	

Other Field Observations: Petroleum odor OTW 8.55 at sample time
 Well Purged Dry during 2nd purge event



GROUNDWATER SAMPLING DATA SHEET

Project Name: Former Lemoine Sausage Factory		Well ID Number: MW-10	
Project No.: 33104-004578.00		Sample ID Number: MW-10	
Project Location: 630 29th Avenue, Oakland, CA		Date Gauged: 9-9-08	
Field Technician: Jeremy Wilson		Date Purged: 9-9-08	
Weather Conditions: mostly cloudy, cool		Date Sampled: 9-9-08	
Top of Casing Elevation (ft, msl): 16.92		Casing Diameter (inches): 2"	
Depth to Water Elevation (ft, btoc): 6.71		Wellhead Condition: OK	
Groundwater Elevation (ft, msl): 10.21		Presence of Wellhead Gases: NO	
Depth to Well Bottom (ft, btoc): 7.92		Vapor Reading (ppm): -	
Water Column Height (ft): 2.29		Presence of SPH: NO	
Calculated Purge Volume (gal): 0.39		Thickness of SPH (ft): -	
Actual Purge Volume (gal): 0.5		Comments:	

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= 1.2 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed (gal)	Specific Conductivity	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L	ORP	Odor
1708	0.5	0.1 m S/m	25.0	7.15	7.51	207	-113	NO
1710	0.25	0.145	24.7	7.24	7.32	195	-63	NO

Water Level Indicator Model & No.: Heron Dipper-T R5463	Purge Method: Disposable Barter
pH/Cond/Temp Meter Model: Heron U-22 R3840	Purge Equipment Used: Disposable Barter
Turbidity Meter Model: 1	Purge Rate (gpm): -
Sample Collection Time: 1720	Chemical Laboratory: Curtis and Tompkins
Sample Collection Method: Disposable Barter	Chemical Analysis: TPH-g/BTEX/VOCs
Sample Containers Used: Voas	
Sampling DTW at 7.35	

Other Field Observations: Well purged dry during second purge event



GROUNDWATER SAMPLING DATA SHEET		
Project Name: Former Lemoine Sausage Factory	Well ID Number: MW-11	
Project No.: 33104-004578.00	Sample ID Number: MW-11	
Project Location: 630 29th Avenue, Oakland, CA	Date Gauged: 9-9-08	
Field Technician: Jeremy Wilson	Date Purged: 9-9-08	
Weather Conditions: partly cloudy	Date Sampled: 9-9-08	
Top of Casing Elevation (ft, msl): 14.87	Casing Diameter (inches): 2"	
Depth to Water Elevation (ft, btoc): 6.98	Wellhead Condition: OK	
Groundwater Elevation (ft, msl): 7.89	Presence of Wellhead Gases: No	
Depth to Well Bottom (ft, btoc): -0.13	Vapor Reading (ppm): -	
Water Column Height (ft): 8.02	Presence of SPH: No	
Calculated Purge Volume (gal): 1.36	Thickness of SPH (ft): -	
Actual Purge Volume (gal): 2.23	Comments:	

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS								
Time	Volume Removed (gal)	Specific Conductivity	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L	ORP	Odor
1500	0	0.200	22.1	8.45	7.26	47.6	153	Slight
1503	1.5	0.205	22.0	4.28	7.17	49.6	162	Slight
1506	1.5	0.223	21.1	3.53	7.12	76.2	198	Slight
1508	0.50	0.220	21.0	3.18	7.13	92.8	216	Slight

Water Level Indicator Model & No.: Heson Dipper-T RS463	Purge Method: Disposable Bailer
pH/Cond/Temp Meter Model: Hanna HI-22 R-3840	Purge Equipment Used: Disposable Bailer
Turbidity Meter Model: ↓	Purge Rate (gpm): -
Sample Collection Time: 1520	Chemical Laboratory: Curtis and Tompkins
Sample Collection Method: Disposable Bailer	Chemical Analysis: TPH-g/BTEX/VOCs
Sample Containers Used: Voas	

Other Field Observations: slight Petroleum odor
 well Purged Dry during 3rd Event DTW at Sample 8.51



GROUNDWATER SAMPLING DATA SHEET

Project Name: Former Lemoine Sausage Factory	Well ID Number: MW-12	
Project No.: 33104-004578.00	Sample ID Number: MW-12	
Project Location: 630 29th Avenue, Oakland, CA	Date Gauged: 9-9-08	
Field Technician: Jeremy Wilson	Date Purged: 9-9-08	
Weather Conditions: partly cloudy	Date Sampled: 9-9-08	
Top of Casing Elevation (ft, msl): 14.05	Casing Diameter (inches): 2"	
Depth to Water Elevation (ft, btoc): 6.84	Wellhead Condition: OK	
Groundwater Elevation (ft, msl): 7.21	Presence of Wellhead Gases: NO	
Depth to Well Bottom (ft, btoc): -0.95	Vapor Reading (ppm): -	
Water Column Height (ft): 8.16	Presence of SPH: NO	
Calculated Purge Volume (gal): 1.39	Thickness of SPH (ft): -	
Actual Purge Volume (gal): 1.5	Comments:	

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed (gal)	Specific Conductivity	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L	ORP	Odor
1428	0	88.2 ^m S/m	21.9	8.39	7.56	90.1	95	Yes
1431	1.5	90.3 ^m S/m	21.7	5.20	7.41	111.0	99	Yes
1434	1.5	0.177 S/m	21.3	3.57	7.34	81.4	97	Yes
1437	1.5	89.8 ^m S/m	21.2	3.90	7.31	95.0	103	Yes

Water Level Indicator Model & No.: Hera Dipper-T R5463	Purge Method: Disposable Bailer
pH/Cond/Temp Meter Model: Hanna U-22 R3840	Purge Equipment Used: Disposable Bailer
Turbidity Meter Model: L	Purge Rate (gpm): -
Sample Collection Time: 1440	Chemical Laboratory: Curtis and Tompkins
Sample Collection Method: Disposable Bailer	Chemical Analysis: TPH-g/BTEX/VOCs
Sample Containers Used: Voas	
Other Field Observations: Slight Petroleum odor	



GROUNDWATER SAMPLING DATA SHEET

Project Name: Former Lemoine Sausage Factory		Well ID Number: MW-13	
Project No.: 33104-004578.00		Sample ID Number: MW-13	
Project Location: 630 29th Avenue, Oakland, CA		Date Gauged: 9-9-08	
Field Technician: Jeremy Wilson		Date Purged: 9-9-08	
Weather Conditions: clear/sunny		Date Sampled: 9-9-08	
Top of Casing Elevation (ft, msl):	13.39	Casing Diameter (inches):	2"
Depth to Water Elevation (ft, btoc):	7.03	Wellhead Condition:	OK
Groundwater Elevation (ft, msl):	6.36	Presence of Wellhead Gases:	NO
Depth to Well Bottom (ft, btoc):	-1.61	Vapor Reading (ppm):	—
Water Column Height (ft):	7.97	Presence of SPH:	NO
Calculated Purge Volume (gal):	1.35	Thickness of SPH (ft):	—
Actual Purge Volume (gal):	1.5	Comments:	

Gallons Per Foot: 1"=0.04, 2"=0.17, 3"=0.37, 4"=0.66, 6"=1.5, other= r2 x 0.163

PURGING MEASUREMENTS

Time	Volume Removed (gal)	Specific Conductivity	Temp (°C)	Dissolved Oxygen (mg/L / %)	pH (units)	Turbidity (NTUs) or TDS g/L	ORP	Odor
1347	0	71.7 m/s/m	22.9	4.51	8.19	45.3	-70	Yes
1351	1.5	72.6 m/s/m	22.7	2.66	7.67	52.5	-71	Yes
1354	1.5	69.7 m/s/m	22.0	3.22	7.40	97.3	-77	Yes
1357	1.25	0.125 %/m	21.7	2.98	7.38	140.1	-85	Yes

Water Level Indicator Model & No.: Heron Dipper-T RS463	Purge Method: Disposable Bailer
pH/Cond/Temp Meter Model: Horiba u-22 R 3840	Purge Equipment Used: Disposable Bailer
Turbidity Meter Model: +	Purge Rate (gpm): Disposable Bailer
Sample Collection Time: 1410	Chemical Laboratory: Curtis and Tompkins
Sample Collection Method: Disposable Bailer	Chemical Analysis: TPH-g/BTEX/VOCs
Sample Containers Used: Voas	

Other Field Observations: Petroleum odor. NJW 8.73 prior to sampling
well purged OK during 3rd purge event

Groundwater Elevation Data
Former Lemoine Sausage Factory
630 29th Avenue
Alameda, California

Well Identification	Date Measured	Time Measured	Time Sampled	Top of Casing Elevation (ft,msl)	Initial Depth to Water (feet)	DTW Prior to Sampling Depth to Water (feet)	Groundwater Elevation (ft,msl)
MW-1	9-9-08	1030	1620	16.69	6.67	6.67	10.02
MW-2	9-9-08	1040	1325	20.79	11.04	11.04	9.75
MW-6	9-9-08	1027	1657	16.6	6.75	6.75	9.85
MW-7	9-9-08	1027 1040	1555	15.47	6.75 7.08	7.08	8.39
MW-8	9-9-08	1035	1245	17.58	8.48	8.48	9.10
MW-9	9-9-08	1100	1255	17.61	7.34	7.34	10.27
MW-10	9-9-08	1033	1720	16.92	6.71	6.71	10.21
MW-11	9-9-08	1049	1520	14.87	6.98	6.98	7.89
MW-12	9-9-08	1051	1440	14.05	6.84	6.84	7.21
MW-13	9-9-08	1053	1410	13.39	7.03	7.03	6.36

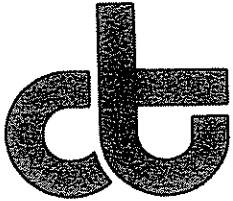
Notes:

1. Top of casing elevations are referenced to mean sea level (msl). The reference point is the benchmark



APPENDIX B

CHAIN-OF-CUSTODY DOCUMENTATION AND CERTIFIED ANALYTICAL REPORTS



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 205923

ANALYTICAL REPORT

Bureau Veritas North America
6920 Koll Center Parkway
Pleasanton, CA 94566

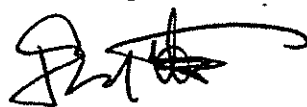
Project : 33104-004578.00
Location : Sausage Factory
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
MW-01	205923-001
MW-02	205923-002
MW-06	205923-003
MW-07	205923-004
MW-08	205923-005
MW-09	205923-006
MW-10	205923-007
MW-11	205923-008
MW-12	205923-009
MW-13	205923-010

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. This report may be reproduced only in its entirety.

Signature: 
Project Manager

Date: 09/22/2008

Signature: 
Senior Program Manager

Date: 09/22/2008

CASE NARRATIVE

Laboratory number: 205923
Client: Bureau Veritas North America
Project: 33104-004578.00
Location: Sausage Factory
Request Date: 09/10/08
Samples Received: 09/09/08

This hardcopy data package contains sample and QC results for ten water samples, requested for the above referenced project on 09/10/08. 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 trifluorotoluene (PID) in MW-13 (lab # 205923-010); the corresponding bromofluorobenzene (PID) surrogate recovery was within limits. No other analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

No analytical problems were encountered.



CHAIN OF CUSTODY

Page 1 of 1

205923

Lab: Curtis&Tompkins



TAT: Standard

Report results to:

Name Jeremy Wilson
 Company Bureau Veritas North America, Inc.
 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: jeremy.wilson@us.bureauveritas.com

Project Information

Project No. 33104-004578.00
 Name Sausage Factory
 Location 630 29th Avenue, Oakland
 Global_Id T0600102114
 Log_code CGSP

Special instructions and/or specific regulatory requirements:

Please email me the EDF for GeoTracker upload

Analyses Requested

8021B for TPH-g/BTEX	8260B for HVOCs																	
X	X																	
X	X																	
X	X																	
X	X																	
X	X																	
X	X																	
X	X																	
X	X																	
X	X																	
X	X																	

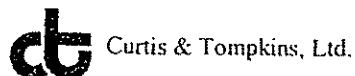
Sample Identification	Sample Date	Sample Time	Matrix/Media	No. of Conts.	Sample Condition/Comments	Preservative
MW-01	9.9.08	1620	GW	6		HCl
MW-02		1325		6		HCl
MW-06		1657		6		HCl
MW-07		1555		6		HCl
MW-08		1245		6		HCl
MW-09		1255		6		HCl
MW-10		1720		6		HCl
MW-11		1520		6		HCl
MW-12		1440		6		HCl
MW-13		1410		6		HCl

-1
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-8
-9
-10

Collected by: Jeremy Wilson Date/Time 9.9.08 Collector's Signature: [Signature] Date/Time 9.9.08
 Relinquished by: [Signature] Date/Time 9.9.08 1825 Received by: [Signature] Date/Time 9/9/08 1850
 Relinquished by: _____ Date/Time _____ Received by: _____ Date/Time _____
 Method of Shipment: _____ Sample Condition on Rcpt: _____

0925

COOLER RECEIPT CHECKLIST



Login # 205923 Date Received 9/9/08 Number of coolers 1
 Client Bureau Veritas Project Sausage Factory

Date Opened 9/9 By (print) K Wellbrock (sign) [Signature]
 Date Logged in 9/10 By (print) A. KATHAIN (sign) [Signature]

1. Did cooler come with a shipping slip (airbill, etc)? YES NO

2A. Were custody seals present? YES (circle) on cooler on samples NO
 How many 1 Name unreadable Date 9/9/08 1825

2B. Were custody seals intact upon arrival? YES NO N/A

3. Were custody papers dry and intact when received? YES NO

4. Were custody papers filled out properly (ink, signed, etc)? YES NO

5. Is the project identifiable from custody papers? (If so fill out top of form) YES NO

6. Indicate the packing in cooler: (if other, describe) _____
 Bubble Wrap Foam blocks Bags None
 Cloth material Cardboard Styrofoam Paper towels

7. Temperature documentation:
 Type of ice used: Wet Blue/Gel None Temp(°C) 7.6

Samples Received on ice & cold without a temperature blank
 Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? YES NO
 If YES, what time were they transferred to freezer? _____

9. Did all bottles arrive unbroken/unopened? YES NO

10. Are samples in the appropriate containers for indicated tests? YES NO

11. Are sample labels present, in good condition and complete? YES NO

12. Do the sample labels agree with custody papers? YES NO

13. Was sufficient amount of sample sent for tests requested? YES NO

14. Are the samples appropriately preserved? YES NO N/A

15. Are bubbles > 6mm absent in VOA samples? YES NO N/A

16. Was the client contacted concerning this sample delivery? YES NO
 If YES, Who was called? _____ By _____ Date: _____

COMMENTS



Curtis & Tompkins Laboratories Analytical Report

Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	09/09/08
Units:	ug/L	Received:	09/09/08

Field ID: MW-01 Diln Fac: 5.000
 Type: SAMPLE Batch#: 142431
 Lab ID: 205923-001 Analyzed: 09/12/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	7,600	250	EPA 8015B
Benzene	830	2.5	EPA 8021B
Toluene	230	2.5	EPA 8021B
Ethylbenzene	540	2.5	EPA 8021B
m,p-Xylenes	310	2.5	EPA 8021B
o-Xylene	40	2.5	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	118	61-149	EPA 8015B
Bromofluorobenzene (FID)	97	65-146	EPA 8015B
Trifluorotoluene (PID)	112	52-143	EPA 8021B
Bromofluorobenzene (PID)	94	56-141	EPA 8021B

Field ID: MW-02 Diln Fac: 40.00
 Type: SAMPLE Batch#: 142431
 Lab ID: 205923-002 Analyzed: 09/12/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	34,000	2,000	EPA 8015B
Benzene	12,000	20	EPA 8021B
Toluene	130	20	EPA 8021B
Ethylbenzene	1,600	20	EPA 8021B
m,p-Xylenes	580	20	EPA 8021B
o-Xylene	210	20	EPA 8021B

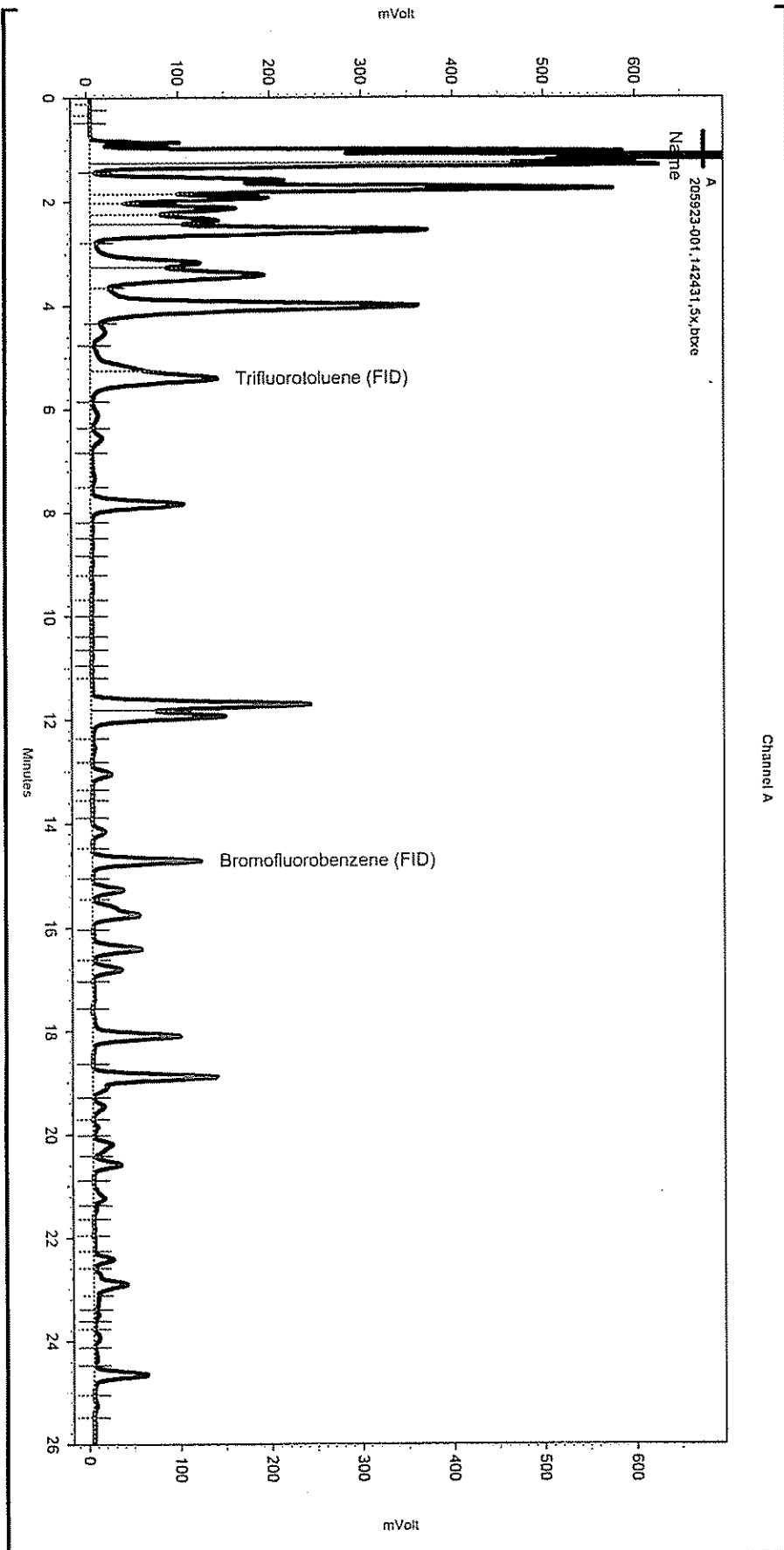
Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	108	61-149	EPA 8015B
Bromofluorobenzene (FID)	96	65-146	EPA 8015B
Trifluorotoluene (PID)	100	52-143	EPA 8021B
Bromofluorobenzene (PID)	93	56-141	EPA 8021B

*= Value outside of QC limits; see narrative
 C= Presence confirmed, but RPD between columns exceeds 40%
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 Z= Sample exhibits unknown single peak or peaks

ND= Not Detected
 RL= Reporting Limit

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 Sample Name: 205923-001,142431,5x,btxe
 Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\256_018
 Instrument: GC05 (Offline) Vial: N/A Operator: Weldon Hall (lims2k3\weldon)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\vhbtxe246A.met

Software Version 3.1.7
 Run Date: 9/12/2008 9:04:37 PM
 Analysis Date: 9/15/2008 10:41:05 AM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: b1.3



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

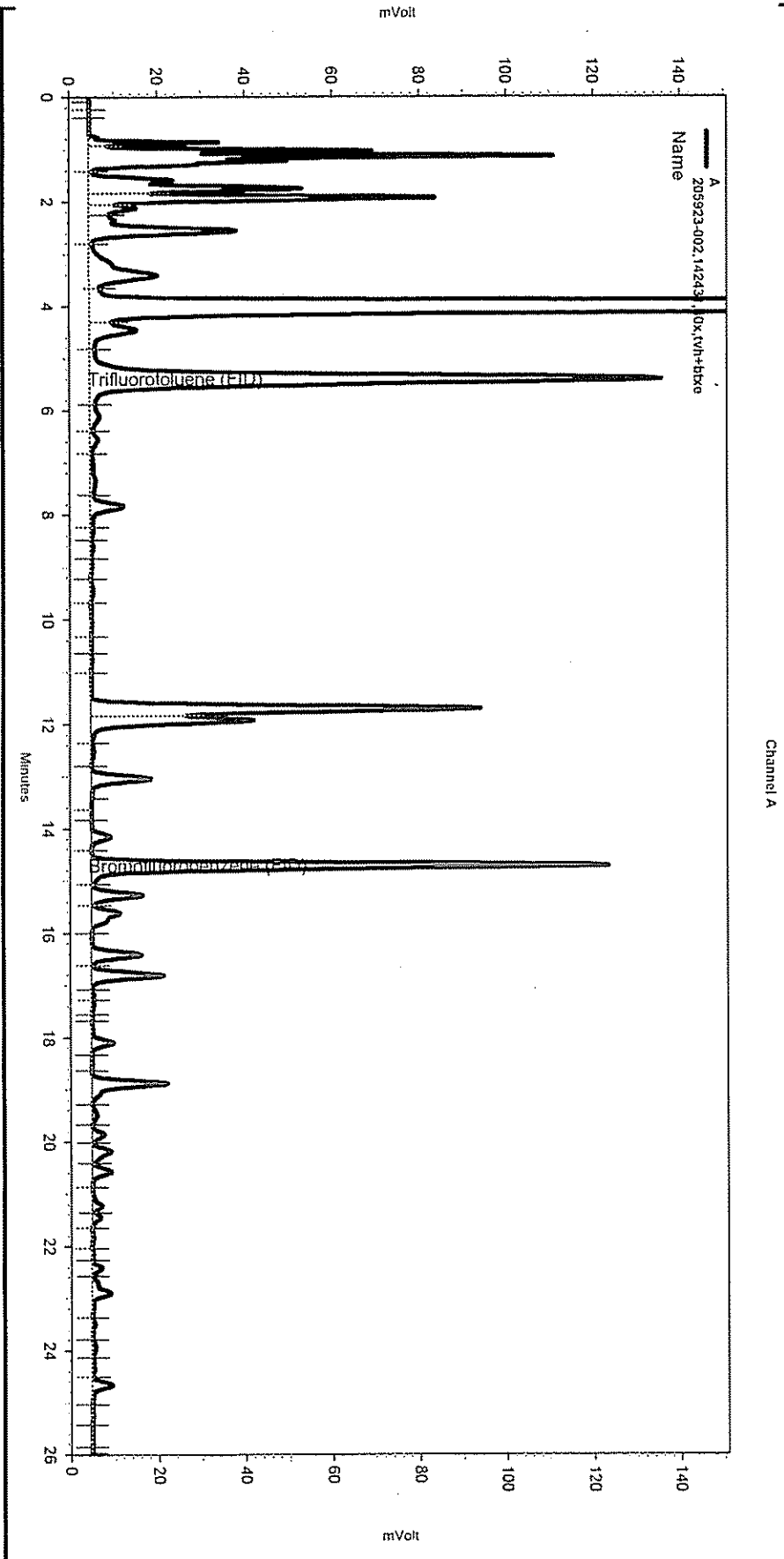
Manual Integration Fixes

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Yes	Split Peak	5.242	0	0

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 Sample Name: 205923-002,142431,40x,tvh+btxe
 Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\256_020
 Instrument: GC05 (Offline) Vial: N/A Operator: Weldon Hall (lims2k3\weldon)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe246A.met

Software Version 3.1.7
 Run Date: 9/12/2008 10:15:46 PM
 Analysis Date: 9/15/2008 10:23:05 AM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: b1.3



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\256_020

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
None				

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	09/09/08
Units:	ug/L	Received:	09/09/08

Field ID: MW-06 Diln Fac: 1.000
 Type: SAMPLE Batch#: 142431
 Lab ID: 205923-003 Analyzed: 09/12/08

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	61-149	EPA 8015B
Bromofluorobenzene (FID)	98	65-146	EPA 8015B
Trifluorotoluene (PID)	89	52-143	EPA 8021B
Bromofluorobenzene (PID)	89	56-141	EPA 8021B

Field ID: MW-07 Diln Fac: 1.000
 Type: SAMPLE Batch#: 142431
 Lab ID: 205923-004 Analyzed: 09/12/08

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)	98	61-149	EPA 8015B
Bromofluorobenzene (FID)	96	65-146	EPA 8015B
Trifluorotoluene (PID)	89	52-143	EPA 8021B
Bromofluorobenzene (PID)	86	56-141	EPA 8021B

*= Value outside of QC limits; see narrative
 C= Presence confirmed, but RPD between columns exceeds 40%
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 Z= Sample exhibits unknown single peak or peaks
 ND= Not Detected
 RL= Reporting Limit

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	09/09/08
Units:	ug/L	Received:	09/09/08

Field ID: MW-08 Diln Fac: 1.000
 Type: SAMPLE Batch#: 142370
 Lab ID: 205923-005 Analyzed: 09/11/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	4,100	50	EPA 8015B
Benzene	300	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	230	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)	74	61-149	EPA 8015B
Bromofluorobenzene (FID)	111	65-146	EPA 8015B
Trifluorotoluene (PID)	108	52-143	EPA 8021B
Bromofluorobenzene (PID)	99	56-141	EPA 8021B

Field ID: MW-09 Diln Fac: 50.00
 Type: SAMPLE Batch#: 142494
 Lab ID: 205923-006 Analyzed: 09/15/08

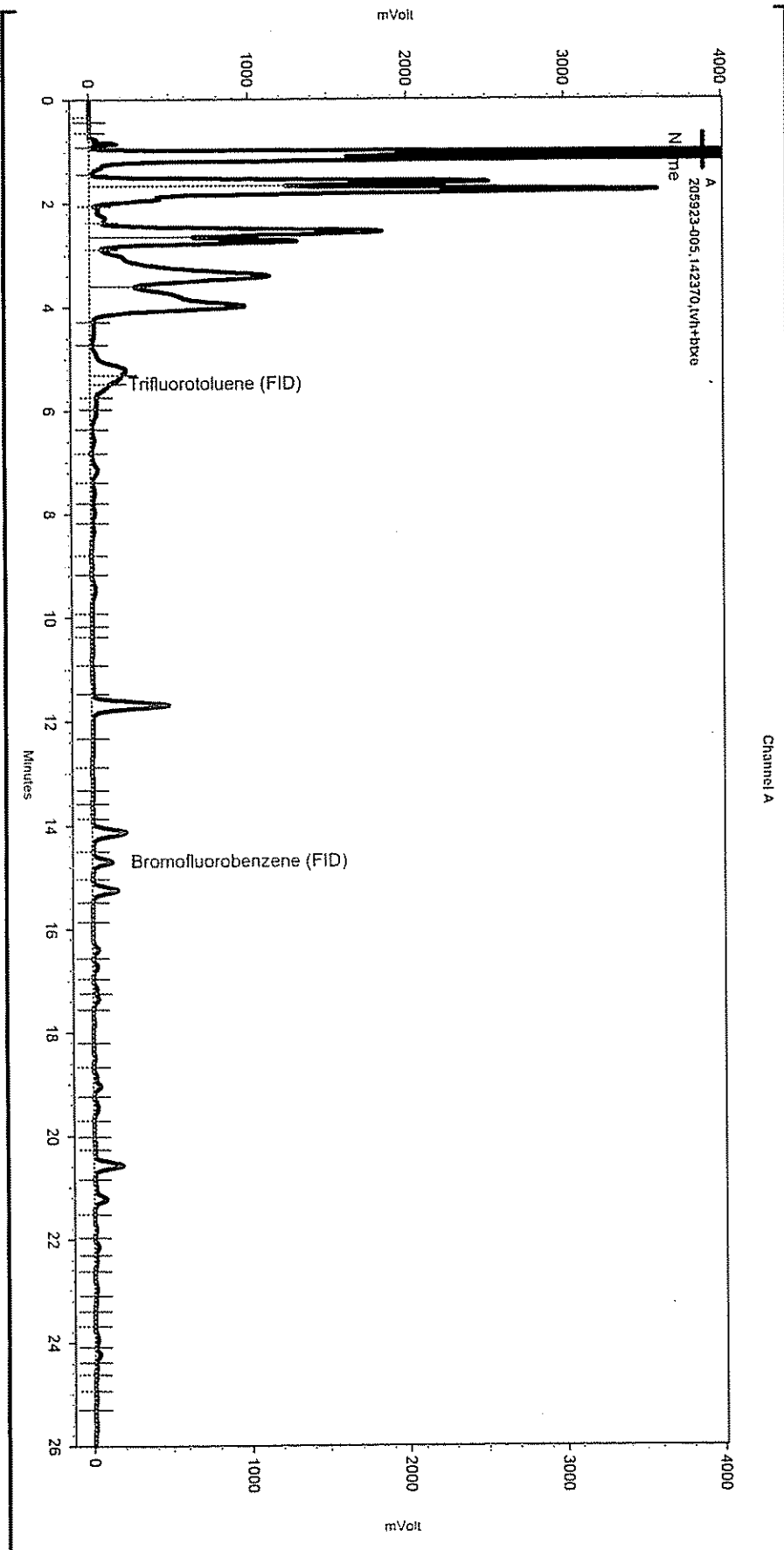
Analyte	Result	RL	Analysis
Gasoline C7-C12	45,000	2,500	EPA 8015B
Benzene	14,000	25	EPA 8021B
Toluene	91	25	EPA 8021B
Ethylbenzene	1,700	25	EPA 8021B
m,p-Xylenes	1,800	25	EPA 8021B
o-Xylene	140	25	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	124	61-149	EPA 8015B
Bromofluorobenzene (FID)	102	65-146	EPA 8015B
Trifluorotoluene (PID)	122	52-143	EPA 8021B
Bromofluorobenzene (PID)	108	56-141	EPA 8021B

*= Value outside of QC limits; see narrative
 C= Presence confirmed, but RPD between columns exceeds 40%
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 Z= Sample exhibits unknown single peak or peaks
 ND= Not Detected
 RL= Reporting Limit

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 Sample Name: 205923-005,142370,tvh+btxe
 Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\255_021
 Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe246A.met

Software Version 3.1.7
 Run Date: 9/11/2008 10:16:15 PM
 Analysis Date: 9/12/2008 11:28:25 AM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: a1.3



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

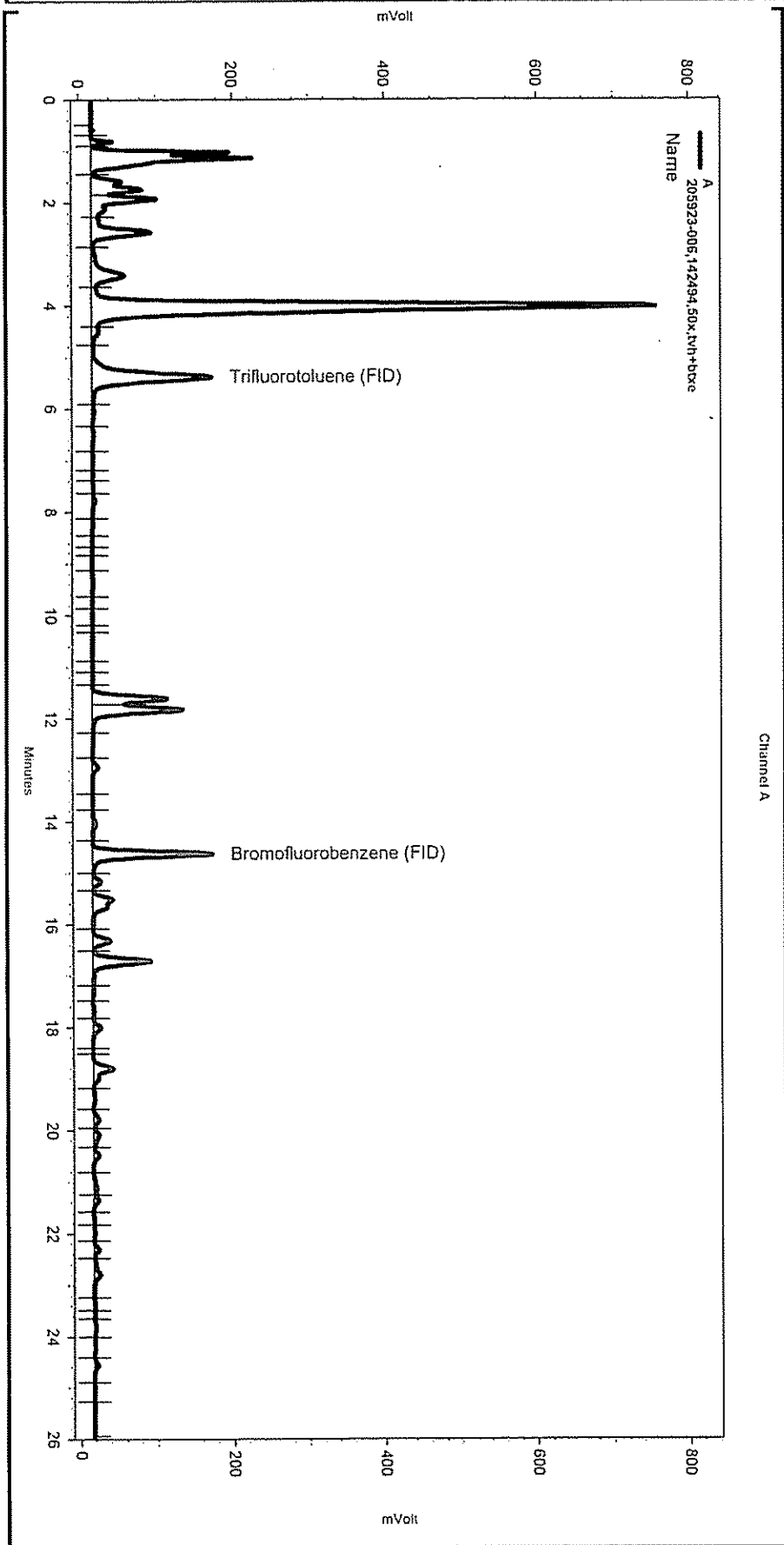
Manual Integration Fixes

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Yes	Split Peak	5.303	0	0
Yes	Split Peak	5.489	0	0

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 Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\259_006
 Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe254.met

Software Version 3.1.7
 Run Date: 9/15/2008 1:46:38 PM
 Analysis Date: 9/16/2008 7:39:11 AM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: c1.3



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\259_006

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
None				



Curtis & Tompkins Laboratories Analytical Report

Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	09/09/08
Units:	ug/L	Received:	09/09/08

Field ID: MW-10 Diln Fac: 1.000
 Type: SAMPLE Batch#: 142431
 Lab ID: 205923-007 Analyzed: 09/12/08

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	61-149	EPA 8015B
Bromofluorobenzene (FID)	93	65-146	EPA 8015B
Trifluorotoluene (PID)	92	52-143	EPA 8021B
Bromofluorobenzene (PID)	87	56-141	EPA 8021B

Field ID: MW-11 Diln Fac: 1.000
 Type: SAMPLE Batch#: 142431
 Lab ID: 205923-008 Analyzed: 09/12/08

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	61-149	EPA 8015B
Bromofluorobenzene (FID)	84	65-146	EPA 8015B
Trifluorotoluene (PID)	82	52-143	EPA 8021B
Bromofluorobenzene (PID)	78	56-141	EPA 8021B

*= Value outside of QC limits; see narrative

C= Presence confirmed, but RPD between columns exceeds 40%

Y= Sample exhibits chromatographic pattern which does not resemble standard

Z= Sample exhibits unknown single peak or peaks

ND= Not Detected

RL= Reporting Limit



Curtis & Tompkins Laboratories Analytical Report

Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	09/09/08
Units:	ug/L	Received:	09/09/08

Field ID: MW-12 Diln Fac: 1.000
 Type: SAMPLE Batch#: 142370
 Lab ID: 205923-009 Analyzed: 09/12/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	89 Y Z	50	EPA 8015B
Benzene	1.2	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)	98	61-149	EPA 8015B
Bromofluorobenzene (FID)	96	65-146	EPA 8015B
Trifluorotoluene (PID)	90	52-143	EPA 8021B
Bromofluorobenzene (PID)	84	56-141	EPA 8021B

Field ID: MW-13 Diln Fac: 1.000
 Type: SAMPLE Batch#: 142370
 Lab ID: 205923-010 Analyzed: 09/12/08

Analyte	Result	RL	Analysis
Gasoline C7-C12	4,300	50	EPA 8015B
Benzene	29 C	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	41	0.50	EPA 8021B
m,p-Xylenes	9.5 C	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	128	61-149	EPA 8015B
Bromofluorobenzene (FID)	118	65-146	EPA 8015B
Trifluorotoluene (PID)	147 *	52-143	EPA 8021B
Bromofluorobenzene (PID)	105	56-141	EPA 8021B

*= Value outside of QC limits; see narrative

C= Presence confirmed, but RPD between columns exceeds 40%

Y= Sample exhibits chromatographic pattern which does not resemble standard

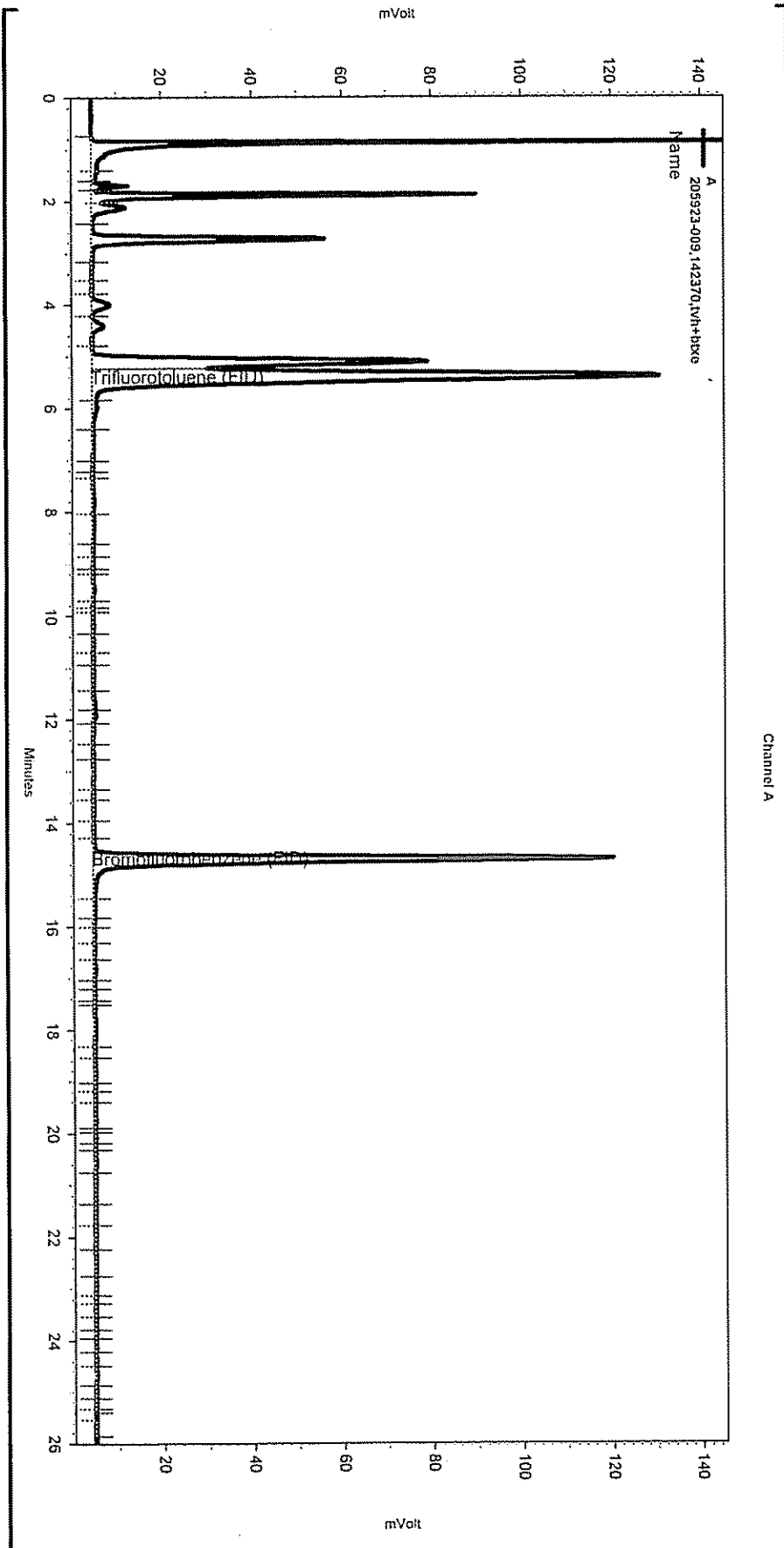
Z= Sample exhibits unknown single peak or peaks

ND= Not Detected

RL= Reporting Limit

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC05\Sequence255.seq
 Sample Name: 205923-009,142370,tvh+btxe
 Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\255_025
 Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe246A.met

Software Version 3.1.7
 Run Date: 9/12/2008 12:38:17 AM
 Analysis Date: 9/12/2008 7:33:37 AM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: a1.3



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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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Yes	Threshold	0	0	50

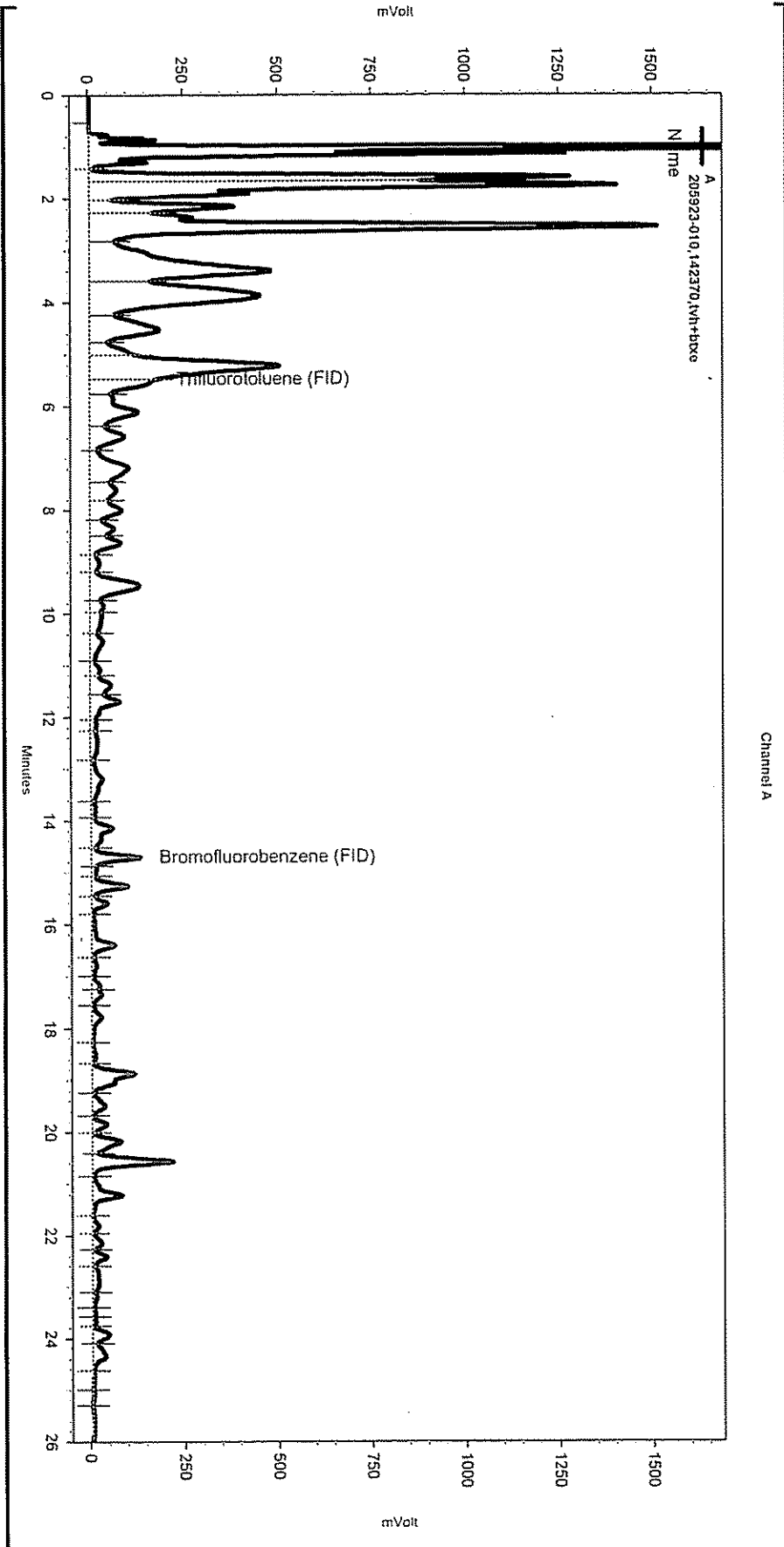
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\255_025

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
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 Sample Name: 205923-010,142370,tvh+btxe
 Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\255_026
 Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\lvhbtxe246A.met

Software Version 3.1.7
 Run Date: 9/12/2008 1:13:46 AM
 Analysis Date: 9/12/2008 11:32:06 AM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: a1.3



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No items selected for this section

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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\255_026

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	5.007	0	0
Yes	Split Peak	5.47	0	0
Yes	Split Peak	14.861	0	0



Curtis & Tompkins Laboratories Analytical Report

Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	09/09/08
Units:	ug/L	Received:	09/09/08

Type: BLANK Batch#: 142370
 Lab ID: QC459756 Analyzed: 09/11/08
 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)	101	61-149	EPA 8015B
Bromofluorobenzene (FID)	96	65-146	EPA 8015B
Trifluorotoluene (PID)	94	52-143	EPA 8021B
Bromofluorobenzene (PID)	90	56-141	EPA 8021B

Type: BLANK Batch#: 142431
 Lab ID: QC460021 Analyzed: 09/12/08
 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)	101	61-149	EPA 8015B
Bromofluorobenzene (FID)	96	65-146	EPA 8015B
Trifluorotoluene (PID)	91	52-143	EPA 8021B
Bromofluorobenzene (PID)	89	56-141	EPA 8021B

*= Value outside of QC limits; see narrative
 C= Presence confirmed, but RPD between columns exceeds 40%
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 Z= Sample exhibits unknown single peak or peaks
 ND= Not Detected
 RL= Reporting Limit



Curtis & Tompkins Laboratories Analytical Report

Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00		
Matrix:	Water	Sampled:	09/09/08
Units:	ug/L	Received:	09/09/08

Type:	BLANK	Batch#:	142494
Lab ID:	QC460261	Analyzed:	09/15/08
Diln Fac:	1.000		

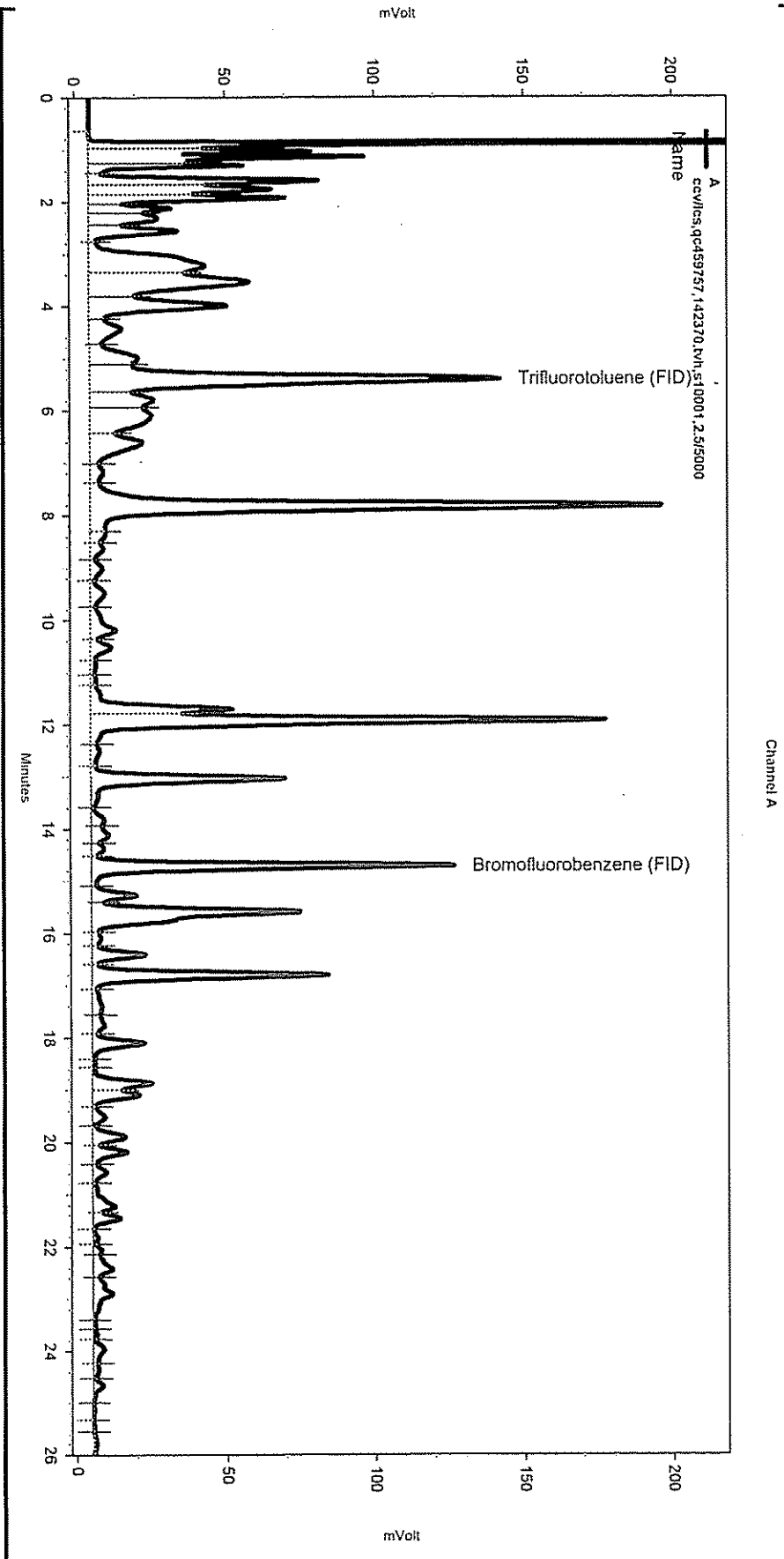
Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Trifluorotoluene (FID)	107	61-149	EPA 8015B
Bromofluorobenzene (FID)	105	65-146	EPA 8015B
Trifluorotoluene (PID)	112	52-143	EPA 8021B
Bromofluorobenzene (PID)	108	56-141	EPA 8021B

*= Value outside of QC limits; see narrative
 C= Presence confirmed, but RPD between columns exceeds 40%
 Y= Sample exhibits chromatographic pattern which does not resemble standard
 Z= Sample exhibits unknown single peak or peaks
 ND= Not Detected
 RL= Reporting Limit

Sequence File: \\Lims\gdrive\ezchrom\Projects\GC05\Sequence\255.seq
 Sample Name: ccv\lcs,qc459757,142370,tvh,s10001,2.5/5000
 Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\255_003
 Instrument: GCD5 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lms2k3\tvh2)
 Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\lvhbxe246A.met

Software Version 3.1.7
 Run Date: 9/11/2008 10:33:17 AM
 Analysis Date: 9/12/2008 7:32:08 AM
 Sample Amount: 5 Multiplier: 5
 Vial & pH or Core ID: {Data Description}



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No items selected for this section

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Integration Events

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Width	0	0	0.2
Yes	Threshold	0	0	50

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\255_003

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
None				

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC459757	Batch#:	142370
Matrix:	Water	Analyzed:	09/11/08
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,071	107	78-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	118	61-149
Bromofluorobenzene (FID)	102	65-146

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report			
Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC459758	Batch#:	142370
Matrix:	Water	Analyzed:	09/11/08
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Benzene	10.00	9.617	96	80-120
Toluene	10.00	9.792	98	77-120
Ethylbenzene	10.00	10.51	105	79-123
m,p-Xylenes	10.00	10.70	107	78-123
o-Xylene	10.00	10.54	105	78-122

Surrogate	%REC	Limits
Trifluorotoluene (PID)	95	52-143
Bromofluorobenzene (PID)	91	56-141

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report			
Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC460024	Batch#:	142431
Matrix:	Water	Analyzed:	09/12/08
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	996.4	100	78-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	113	61-149
Bromofluorobenzene (FID)	99	65-146

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report			
Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8021B
Matrix:	Water	Batch#:	142431
Units:	ug/L	Analyzed:	09/12/08
Diln Fac:	1.000		

Type: BS Lab ID: QC460022

Analyte	Spiked	Result	%REC	Limits
Benzene	10.00	10.64	106	80-120
Toluene	10.00	10.68	107	77-120
Ethylbenzene	10.00	11.32	113	79-123
m,p-Xylenes	10.00	11.23	112	78-123
o-Xylene	10.00	11.31	113	78-122

Surrogate	%REC	Limits
Trifluorotoluene (PID)	94	52-143
Bromofluorobenzene (PID)	91	56-141

Type: BSD Lab ID: QC460023

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	20.00	19.92	100	80-120	7	20
Toluene	20.00	20.07	100	77-120	6	20
Ethylbenzene	20.00	21.80	109	79-123	4	20
m,p-Xylenes	20.00	21.43	107	78-123	5	21
o-Xylene	20.00	21.33	107	78-122	6	20

Surrogate	%REC	Limits
Trifluorotoluene (PID)	93	52-143
Bromofluorobenzene (PID)	90	56-141

RPD= Relative Percent Difference

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8021B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC460262	Batch#:	142494
Matrix:	Water	Analyzed:	09/15/08
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Benzene	20.00	20.07	100	80-120
Toluene	20.00	20.59	103	77-120
Ethylbenzene	20.00	21.48	107	79-123
m,p-Xylenes	20.00	20.96	105	78-123
o-Xylene	20.00	20.96	105	78-122

Surrogate	%REC	Limits
Trifluorotoluene (PID)	109	52-143
Bromofluorobenzene (PID)	110	56-141

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report			
Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	142494
Units:	ug/L	Analyzed:	09/15/08
Diln Fac:	1.000		

Type: BS Lab ID: QC460383

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	2,011	101	78-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	135	61-149
Bromofluorobenzene (FID)	109	65-146

Type: BSD Lab ID: QC460384

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	3,000	2,952	98	78-120	2	25

Surrogate	%REC	Limits
Trifluorotoluene (FID)	142	61-149
Bromofluorobenzene (FID)	106	65-146

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report			
Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	142370
MSS Lab ID:	205928-001	Sampled:	09/09/08
Matrix:	Water	Received:	09/10/08
Units:	ug/L	Analyzed:	09/11/08
Diln Fac:	1.000		

Type: MS Lab ID: QC459759

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	21.94	2,000	2,329	115	65-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	61-149
Bromofluorobenzene (FID)	107	65-146

Type: MSD Lab ID: QC459760

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,300	114	65-120	1	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	135	61-149
Bromofluorobenzene (FID)	108	65-146

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report			
Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8015B
Field ID:	MW-07	Batch#:	142431
MSS Lab ID:	205923-004	Sampled:	09/09/08
Matrix:	Water	Received:	09/09/08
Units:	ug/L	Analyzed:	09/12/08
Diln Fac:	1.000		

Type: MS Lab ID: QC460025

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	17.78	2,000	2,282	113	65-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	133	61-149
Bromofluorobenzene (FID)	107	65-146

Type: MSD Lab ID: QC460026

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,290	114	65-120	0	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	61-149
Bromofluorobenzene (FID)	104	65-146

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report			
Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8021B
Field ID:	ZZZZZZZZZZ	Batch#:	142494
MSS Lab ID:	205872-003	Sampled:	09/08/08
Matrix:	Water	Received:	09/09/08
Units:	ug/L	Analyzed:	09/15/08
Diln Fac:	1.000		

Type: MS Lab ID: QC460264

Analyte	MSS Result	Spiked	Result	%REC	Limits
Benzene	<0.07481	20.00	21.51	108	72-120
Toluene	<0.07195	20.00	21.27	106	69-120
Ethylbenzene	<0.08458	20.00	21.57	108	72-120
m,p-Xylenes	<0.1118	20.00	21.98	110	77-120
o-Xylene	<0.06519	20.00	21.79	109	60-127

Surrogate	%REC	Limits
Trifluorotoluene (PID)	108	52-143
Bromofluorobenzene (PID)	109	56-141

Type: MSD Lab ID: QC460265

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Benzene	20.00	21.27	106	72-120	1	30
Toluene	20.00	21.84	109	69-120	3	30
Ethylbenzene	20.00	21.72	109	72-120	1	30
m,p-Xylenes	20.00	21.71	109	77-120	1	31
o-Xylene	20.00	21.66	108	60-127	1	30

Surrogate	%REC	Limits
Trifluorotoluene (PID)	108	52-143
Bromofluorobenzene (PID)	109	56-141

Purgeable Halocarbons by GC/MS

Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-01	Batch#:	142544
Lab ID:	205923-001	Sampled:	09/09/08
Matrix:	Water	Received:	09/09/08
Units:	ug/L	Analyzed:	09/17/08
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	6.7
1,1-Dichloroethene	ND	1.7
Methylene Chloride	ND	67
trans-1,2-Dichloroethene	ND	1.7
1,1-Dichloroethane	ND	1.7
cis-1,2-Dichloroethene	ND	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	ND	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	110	80-137
Toluene-d8	98	80-120
Bromofluorobenzene	106	80-122

Purgeable Halocarbons by GC/MS

Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-02	Batch#:	142474
Lab ID:	205923-002	Sampled:	09/09/08
Matrix:	Water	Received:	09/09/08
Units:	ug/L	Analyzed:	09/15/08
Diln Fac:	25.00		

Analyte	Result	RL
Chloromethane	ND	25
Vinyl Chloride	ND	13
Bromomethane	ND	25
Chloroethane	ND	25
Trichlorofluoromethane	ND	25
Freon 113	ND	50
1,1-Dichloroethene	ND	13
Methylene Chloride	ND	500
trans-1,2-Dichloroethene	ND	13
1,1-Dichloroethane	ND	13
cis-1,2-Dichloroethene	ND	13
Chloroform	ND	25
1,1,1-Trichloroethane	ND	13
Carbon Tetrachloride	ND	13
1,2-Dichloroethane	ND	13
Trichloroethene	ND	13
1,2-Dichloropropane	ND	13
Bromodichloromethane	ND	13
cis-1,3-Dichloropropene	ND	13
trans-1,3-Dichloropropene	ND	13
1,1,2-Trichloroethane	ND	13
Tetrachloroethene	ND	13
Dibromochloromethane	ND	13
Chlorobenzene	ND	13
Bromoform	ND	13
1,1,2,2-Tetrachloroethane	ND	13
1,3-Dichlorobenzene	ND	13
1,4-Dichlorobenzene	ND	13
1,2-Dichlorobenzene	ND	13

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	91	80-137
Toluene-d8	114	80-120
Bromofluorobenzene	101	80-122

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

Purgeable Halocarbons by GC/MS

Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-06	Batch#:	142474
Lab ID:	205923-003	Sampled:	09/09/08
Matrix:	Water	Received:	09/09/08
Units:	ug/L	Analyzed:	09/15/08
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	2.0
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	102	80-137
Toluene-d8	108	80-120
Bromofluorobenzene	102	80-122

ND= Not Detected
 RL= Reporting Limit



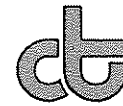
Purgeable Halocarbons by GC/MS

Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-07	Batch#:	142474
Lab ID:	205923-004	Sampled:	09/09/08
Matrix:	Water	Received:	09/09/08
Units:	ug/L	Analyzed:	09/15/08
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	2.0
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	80-137
Toluene-d8	107	80-120
Bromofluorobenzene	110	80-122

ND= Not Detected
 RL= Reporting Limit



Purgeable Halocarbons by GC/MS

Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-08	Units:	ug/L
Lab ID:	205923-005	Sampled:	09/09/08
Matrix:	Water	Received:	09/09/08

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Chloromethane	ND	13	12.50	142474	09/15/08
Vinyl Chloride	190	6.3	12.50	142474	09/15/08
Bromomethane	ND	13	12.50	142474	09/15/08
Chloroethane	ND	13	12.50	142474	09/15/08
Trichlorofluoromethane	ND	13	12.50	142474	09/15/08
Freon 113	ND	25	12.50	142474	09/15/08
1,1-Dichloroethene	ND	6.3	12.50	142474	09/15/08
Methylene Chloride	ND	250	12.50	142474	09/15/08
trans-1,2-Dichloroethene	36	6.3	12.50	142474	09/15/08
1,1-Dichloroethane	ND	6.3	12.50	142474	09/15/08
cis-1,2-Dichloroethene	1,200	10	20.00	142544	09/17/08
Chloroform	ND	13	12.50	142474	09/15/08
1,1,1-Trichloroethane	ND	6.3	12.50	142474	09/15/08
Carbon Tetrachloride	ND	6.3	12.50	142474	09/15/08
1,2-Dichloroethane	ND	6.3	12.50	142474	09/15/08
Trichloroethene	ND	6.3	12.50	142474	09/15/08
1,2-Dichloropropane	ND	6.3	12.50	142474	09/15/08
Bromodichloromethane	ND	6.3	12.50	142474	09/15/08
cis-1,3-Dichloropropene	ND	6.3	12.50	142474	09/15/08
trans-1,3-Dichloropropene	ND	6.3	12.50	142474	09/15/08
1,1,2-Trichloroethane	ND	6.3	12.50	142474	09/15/08
Tetrachloroethene	ND	6.3	12.50	142474	09/15/08
Dibromochloromethane	ND	6.3	12.50	142474	09/15/08
Chlorobenzene	ND	6.3	12.50	142474	09/15/08
Bromoform	ND	6.3	12.50	142474	09/15/08
1,1,2,2-Tetrachloroethane	ND	6.3	12.50	142474	09/15/08
1,3-Dichlorobenzene	ND	6.3	12.50	142474	09/15/08
1,4-Dichlorobenzene	ND	6.3	12.50	142474	09/15/08
1,2-Dichlorobenzene	ND	6.3	12.50	142474	09/15/08

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
1,2-Dichloroethane-d4	99	80-137	12.50	142474	09/15/08
Toluene-d8	106	80-120	12.50	142474	09/15/08
Bromofluorobenzene	101	80-122	12.50	142474	09/15/08

Purgeable Halocarbons by GC/MS

Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-09	Batch#:	142474
Lab ID:	205923-006	Sampled:	09/09/08
Matrix:	Water	Received:	09/09/08
Units:	ug/L	Analyzed:	09/15/08
Diln Fac:	20.00		

Analyte	Result	RL
Chloromethane	ND	20
Vinyl Chloride	ND	10
Bromomethane	ND	20
Chloroethane	ND	20
Trichlorofluoromethane	ND	20
Freon 113	ND	40
1,1-Dichloroethene	ND	10
Methylene Chloride	ND	400
trans-1,2-Dichloroethene	ND	10
1,1-Dichloroethane	ND	10
cis-1,2-Dichloroethene	ND	10
Chloroform	ND	20
1,1,1-Trichloroethane	ND	10
Carbon Tetrachloride	ND	10
1,2-Dichloroethane	ND	10
Trichloroethene	ND	10
1,2-Dichloropropane	ND	10
Bromodichloromethane	ND	10
cis-1,3-Dichloropropene	ND	10
trans-1,3-Dichloropropene	ND	10
1,1,2-Trichloroethane	ND	10
Tetrachloroethene	ND	10
Dibromochloromethane	ND	10
Chlorobenzene	ND	10
Bromoform	ND	10
1,1,2,2-Tetrachloroethane	ND	10
1,3-Dichlorobenzene	ND	10
1,4-Dichlorobenzene	ND	10
1,2-Dichlorobenzene	ND	10

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	87	80-137
Toluene-d8	111	80-120
Bromofluorobenzene	104	80-122

Purgeable Halocarbons by GC/MS

Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-10	Batch#:	142474
Lab ID:	205923-007	Sampled:	09/09/08
Matrix:	Water	Received:	09/09/08
Units:	ug/L	Analyzed:	09/15/08
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	2.0
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	80-137
Toluene-d8	114	80-120
Bromofluorobenzene	104	80-122

Purgeable Halocarbons by GC/MS

Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-11	Batch#:	142474
Lab ID:	205923-008	Sampled:	09/09/08
Matrix:	Water	Received:	09/09/08
Units:	ug/L	Analyzed:	09/15/08
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	2.0
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	110	80-137
Toluene-d8	109	80-120
Bromofluorobenzene	102	80-122



Purgeable Halocarbons by GC/MS

Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-12	Units:	ug/L
Lab ID:	205923-009	Sampled:	09/09/08
Matrix:	Water	Received:	09/09/08

Analyte	Result	RL	Diln Fac	Batch#	Analyzed
Chloromethane	ND	1.4	1.429	142474	09/15/08
Vinyl Chloride	ND	0.7	1.429	142474	09/15/08
Bromomethane	ND	1.4	1.429	142474	09/15/08
Chloroethane	ND	1.4	1.429	142474	09/15/08
Trichlorofluoromethane	ND	1.4	1.429	142474	09/15/08
Freon 113	ND	2.9	1.429	142474	09/15/08
1,1-Dichloroethene	ND	0.7	1.429	142474	09/15/08
Methylene Chloride	ND	29	1.429	142474	09/15/08
trans-1,2-Dichloroethene	59	0.7	1.429	142474	09/15/08
1,1-Dichloroethane	ND	0.7	1.429	142474	09/15/08
cis-1,2-Dichloroethene	60	0.7	1.429	142474	09/15/08
Chloroform	ND	1.4	1.429	142474	09/15/08
1,1,1-Trichloroethane	ND	0.7	1.429	142474	09/15/08
Carbon Tetrachloride	ND	0.7	1.429	142474	09/15/08
1,2-Dichloroethane	ND	0.7	1.429	142474	09/15/08
Trichloroethene	140	1.3	2.500	142544	09/17/08
1,2-Dichloropropane	ND	0.7	1.429	142474	09/15/08
Bromodichloromethane	ND	0.7	1.429	142474	09/15/08
cis-1,3-Dichloropropene	ND	0.7	1.429	142474	09/15/08
trans-1,3-Dichloropropene	ND	0.7	1.429	142474	09/15/08
1,1,2-Trichloroethane	ND	0.7	1.429	142474	09/15/08
Tetrachloroethene	ND	0.7	1.429	142474	09/15/08
Dibromochloromethane	ND	0.7	1.429	142474	09/15/08
Chlorobenzene	ND	0.7	1.429	142474	09/15/08
Bromoform	ND	0.7	1.429	142474	09/15/08
1,1,2,2-Tetrachloroethane	ND	0.7	1.429	142474	09/15/08
1,3-Dichlorobenzene	ND	0.7	1.429	142474	09/15/08
1,4-Dichlorobenzene	ND	0.7	1.429	142474	09/15/08
1,2-Dichlorobenzene	ND	0.7	1.429	142474	09/15/08

Surrogate	%REC	Limits	Diln Fac	Batch#	Analyzed
1,2-Dichloroethane-d4	116	80-137	1.429	142474	09/15/08
Toluene-d8	112	80-120	1.429	142474	09/15/08
Bromofluorobenzene	104	80-122	1.429	142474	09/15/08

Purgeable Halocarbons by GC/MS

Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	MW-13	Batch#:	142544
Lab ID:	205923-010	Sampled:	09/09/08
Matrix:	Water	Received:	09/09/08
Units:	ug/L	Analyzed:	09/17/08
Diln Fac:	1.000		

Analyte	Result	RL
Chloromethane	ND	1.0
Vinyl Chloride	6.5	0.5
Bromomethane	ND	1.0
Chloroethane	1.3	1.0
Trichlorofluoromethane	ND	1.0
Freon 113	ND	2.0
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	52	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	17	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	104	80-137
Toluene-d8	99	80-120
Bromofluorobenzene	106	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Purgeable Halocarbons by GC/MS			
Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC460173	Batch#:	142474
Matrix:	Water	Analyzed:	09/15/08
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	2.0
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	95	80-137
Toluene-d8	116	80-120
Bromofluorobenzene	102	80-122

Batch QC Report

Purgeable Halocarbons by GC/MS			
Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC460461	Batch#:	142544
Matrix:	Water	Analyzed:	09/16/08
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	2.0
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	80-137
Toluene-d8	103	80-120
Bromofluorobenzene	100	80-122

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Purgeable Halocarbons by GC/MS			
Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	142474
Units:	ug/L	Analyzed:	09/15/08
Diln Fac:	1.000		

Type: BS Lab ID: QC460171

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	25.74	103	73-133
Trichloroethene	25.00	24.88	100	80-120
Chlorobenzene	25.00	22.35	89	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	87	80-137
Toluene-d8	110	80-120
Bromofluorobenzene	100	80-122

Type: BSD Lab ID: QC460172

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	26.48	106	73-133	3	20
Trichloroethene	25.00	24.08	96	80-120	3	20
Chlorobenzene	25.00	22.17	89	80-120	1	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	91	80-137
Toluene-d8	112	80-120
Bromofluorobenzene	97	80-122

RPD= Relative Percent Difference

Batch QC Report

Purgeable Halocarbons by GC/MS			
Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	142544
Units:	ug/L	Analyzed:	09/16/08
Diln Fac:	1.000		

Type: BS Lab ID: QC460459

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	25.00	24.72	99	73-133
Trichloroethene	25.00	25.27	101	80-120
Chlorobenzene	25.00	23.20	93	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	87	80-137
Toluene-d8	104	80-120
Bromofluorobenzene	99	80-122

Type: BSD Lab ID: QC460460

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	27.29	109	73-133	10	20
Trichloroethene	25.00	26.30	105	80-120	4	20
Chlorobenzene	25.00	25.57	102	80-120	10	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	80	80-137
Toluene-d8	106	80-120
Bromofluorobenzene	94	80-122

RPD= Relative Percent Difference

Batch QC Report

Purgeable Halocarbons by GC/MS			
Lab #:	205923	Location:	Sausage Factory
Client:	Bureau Veritas North America	Prep:	EPA 5030B
Project#:	33104-004578.00	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	142544
MSS Lab ID:	205949-004	Sampled:	09/08/08
Matrix:	Water	Received:	09/11/08
Units:	ug/L	Analyzed:	09/17/08
Diln Fac:	1.000		

Type: MS Lab ID: QC460593

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<0.1808	25.00	31.46	126	76-133
Trichloroethene	0.4468	25.00	30.82	122	74-129
Chlorobenzene	<0.1000	25.00	27.96	112	80-120

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	97	80-137
Toluene-d8	107	80-120
Bromofluorobenzene	102	80-122

Type: MSD Lab ID: QC460594

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	25.00	27.93	112	76-133	12	20
Trichloroethene	25.00	27.54	108	74-129	11	20
Chlorobenzene	25.00	24.78	99	80-120	12	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	95	80-137
Toluene-d8	103	80-120
Bromofluorobenzene	107	80-122

RPD= Relative Percent Difference