PENSKE

Andrew E. Cullen
Vice President
Energy and Telecommunication Services

May 13, 2011

Mr. Paresh Khatri
Hazardous Materials Specialist
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

Re: 2011 Semi-Annual Monitoring and Sampling Report
Former Penske Truck Leasing Facility
725 Julie Ann Way, Oakland, California
Alameda County Site ID RO0000354
Stantec PN: 185702330.200.0001

Dear Mr. Khatri:

Subsequent to this cover letter is the 1st and 2nd quarter well monitoring report for the former Penske Truck Leasing site location at 725 Julie Ann Way, Oakland, CA.

As an authorized representative of our company, the following statement is listed below:

I, Andrew Cullen declare under penalty of perjury that the information and/or recommendations contained in the attached document or report are true and correct to the best of my knowledge

Please let me know if you have any questions or concerns.

Sincerely,

Andrew E. Cullen

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May 13, 2011

Mr. Paresh Khatri
Hazardous Materials Specialist
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

(To Be Sent Via Electronic Upload to Alameda County ftp)

Re: 2011 Semi-Annual Monitoring and Sampling Report
Former Penske Truck Leasing Facility
725 Julie Ann Way, Oakland, California
Alameda County Site ID RO0000354
Stantec PN: 185702330.200.0001

Dear Mr. Khatri:

Stantec Consulting Corporation (Stantec), on behalf of Penske Truck Leasing Company (Penske), has prepared this *2011 Semi-Annual Groundwater Monitoring Report* for the Former Penske Truck Leasing Facility (the site) located at 725 Julie Ann Way in Oakland, California (Figure 1). There are ten on-site groundwater monitoring wells associated with the site (Figure 2). Well construction details are presented on Table 1. This report documents the procedures and results of the monitoring and sampling events conducted in the Fourth Quarter 2010 and First and Second Quarters of 2011.

SITE SURVEY

On April 26, 2011, Mid Coast Engineers, a Stantec subcontractor, surveyed the locations and the top-of-casing elevations of the site's ten wells. The survey report was signed by a California-licensed land surveyor. Latitude and longitude measurements are included in Table 1, and wellhead elevations are included in Table 2.

QUARTERLY GROUNDWATER MONITORING

Groundwater levels were measured by Blaine Tech Services, Inc. (Blaine Tech) in all ten wells in the fourth quarter 2010 (October 4, 2010), the first quarter 2011 (February 3, 2011), and the second quarter 2011 (April 11, 2011). An oil/water interface probe graduated to 0.01 foot was used to determine the presence of free-phase product. Free-phase product was observed in well MW-1R and MW-2 in October 2010. No free-phase fuel product was measured in any of the wells in February 2011 and April 2011. Copies of the field data sheets are included in Appendix A.

Depth-to-groundwater measurements and surveyed wellhead top-of-casing elevations were used to calculate groundwater surface elevations. Water level measurements and groundwater elevations are presented in Table 2.

DEPTH DISCRETE LOW-FLOW MONITORING AND SAMPLING

In order to assess the potential presence of two distinct water-bearing zones along the screened intervals of wells MW-1R and MW-7R, depth-discrete groundwater samples were collected from these wells on February 3, 2011. This sampling approach was described in the Groundwater Sampling Work Plan dated October 1, 2010, and submitted to ACEHS. Samples were collected by Blaine Tech at depths of 9 and 18 feet below ground (ft-bg) in each of the two wells using low-flow purging and sampling methods based on United States Environmental Protection Agency (EPA) Publication EPA/540/S-95/504 published in April 1996. Following collection of the low-flow depth-specific samples, a third, non-depth-specific sample was collected from each well following the purging of the well of three well volumes.

Low-Flow Purging and Sampling Procedures

The static-water level was measured in each well prior to purging and collection of any samples using an electronic interface probe (EIP).

A low-flow, electric submersible pump was used to purge and sample the well water. The pump was lowered into the well slowly to the pre-determined depth (9 ft-bg and 18 ft-bg). The EIP was also lowered into the well to monitor drawdown. The pump was turned on at a flow rate of 0.1 liter per minute (L/min). The flow rate was adjusted up or down to maximize flow with minimum drawdown. The water level in the well was monitored to ensure that the draw down did not increase during pumping, ensuring that groundwater was being pulled from the formation adjacent to the pump intake.

Groundwater was pumped through a flow-through cell and continuously monitored for temperature, pH, turbidity, conductivity, oxidation reduction potential (ORP), and dissolved oxygen (DO) using a water quality meter. Field parameter values were recorded on the groundwater sampling data sheet along with the corresponding purge volume. Copies of field data sheets are included in Appendix A.

Groundwater samples were collected for laboratory analysis when the groundwater had stabilized, the change between successive readings for temperature, pH, and conductivity was less than 10 percent, and turbidity was reduced to 10 Nephelometric Turbidity Units (NTUs) or less. Stabilization of groundwater measurements is considered indicative of continuous influx of groundwater from the formation to the well.

After the low-flow purging, groundwater samples were collected into the laboratory-supplied sample containers. The pumping rate during sample collection did not exceed the maximum pump rate established during the low-flow purging.

SEMI-ANNUAL GROUNDWATER MONITORING AND SAMPLING PROCEDURES

On February 3 and 4, 2011, wells MW-1R, MW-2, MW-4, MW-7R, MW-8, OW-1, and OW-2 were sampled by Blaine Tech. Prior to sampling, wells were purged of approximately three well casing volumes using a diaphragm pump fitted with new, disposable tubing for each well. Well MW-4 dewatered following removal of approximately two well volumes. During purging, groundwater was periodically measured for pH, electrical conductivity, turbidity, and temperature, and visually inspected for color and the presence of free product. Downhole DO measurements and ORP measurements were recorded pre- and post-purging at each well. Physical parameters, purge volumes for each well, visual observations, and sampling notes were recorded on field data sheets and are included in Appendix A.

Upon removal of the appropriate purge volume and stabilization of the measured field parameters, samples were collected from each well using a new, disposable bailer. Samples were collected into laboratory-supplied containers and stored cold during delivery to Curtis and Tompkins Ltd, a state-certified analytical laboratory in Berkeley, California.

ANALYTICAL PROGRAM

All of the groundwater samples were analyzed for the following constituents:

- Total petroleum hydrocarbons as gasoline (TPHg) by modified EPA Method 8015M;
- TPHd by modified EPA Method 8015M with silica gel treatment,;
- Benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8260;
- Methyl tertiary-butyl ether (MTBE) by EPA Method 8260;
- EDC/EDB by EPA Method 8260; and,
- Naphthalene by EPA Method 8260.

WASTE MANAGEMENT AND DISPOSAL

Purge/rinsate water generated during groundwater sampling activities was stored in California Department of Transportation (DOT)-approved 55-gallon steel drums and left on-site pending characterization and disposal.

RESULTS

Groundwater Elevation Monitoring Results

Groundwater elevation data from October 4, 2010, February 3, 2011, and April 22, 2011, are presented in Table 2. The potentiometric surface maps generated from the data are included as Figures 3 through 5.

October 2010 depth-to-groundwater measurements ranged from 4.64 to 8.32 feet below the top of casing, corresponding to a range of groundwater elevations of 3.55 to 6.11 feet relative to the NAVD 88 datum. Trace levels of free-phase product was observed in wells MW-1R and MW-2 with an estimated thickness of 0.01 feet. Groundwater flow direction was toward the southwest (Figure 3).

February 2011 depth-to-groundwater measurements ranged from 4.45 to 5.93 feet below the top of casing, corresponding to a range of groundwater elevations of 4.82 to 6.46 feet relative to the NAVD 88 datum. No sheen or measurable free-phase product was observed during the February 2011 monitoring event. Groundwater flow direction was toward the southwest (Figure 4).

April 2011 depth-to-groundwater measurements ranged from 4.01 to 5.35 feet below the top of casing, corresponding to a range of groundwater elevations of 6.21 to 6.75 feet relative to the NAVD 88 datum. No sheen or measurable free-phase product was observed during the April 2011 monitoring event. Groundwater flow direction was toward the southwest (Figure 5).

Groundwater Sample Analytical Results

Field parameter data of pH, DO, and ORP are presented in Table 3 and groundwater sample analytical results are presented in Table 4. February 2011 results for TPHd, TPHg, BTEX, and MTBE are shown on Figure 6. The following sections summarize the groundwater analytical results:

TPHd

TPHd was reported in each of the seven wells at concentrations ranging from 62 micrograms per liter (µg/L; well MW-8) to 26,000 µg/L (well MW-4). Reported concentrations of TPHd are generally consistent with historical data, with the exception of wells MW-4 and OW-1. The reported concentration of TPHd in well MW-4 is the highest since August 2001, representing a span of seven groundwater monitoring events (the well was not sampled between December 2002 and April 2009). The reported concentration of TPHd in well OW-1 is the highest reported since December 1999, and represents a 55 percent increase since the previous high concentration reported in February 2010.

TPHg

TPHg was reported in five of seven groundwater samples at concentrations ranging from 59 µg/L (well MW-7R) to 1,600 µg/L (well MW-4). Reported concentrations of TPHg are generally consistent with historical data. The reported concentration of TPHg in MW-4 (1,600 µg/L) is the highest since October 1998, but is generally consistent with historical data. The reported concentration of TPHg in well MW-7R (120 µg/L in the sample from the three-volume purge) represents a decrease from the concentration of 4,000 µg/L observed in July 2010, and is consistent with historical data.

MTBE

MTBE was reported in five of the seven groundwater samples at concentrations ranging from 0.8 µg/L (well MW-8) to 5.9 µg/L (well OW-1). Reported concentrations of MTBE are generally consistent with historical data.

BTEX, EDC, EDB, and Naphthalene

Benzene, toluene, ethylbenzene, xylenes, EDC, EDB, and naphthalene were not detected at or above laboratory reporting limits in any of the groundwater samples analyzed, consistent with historical data.

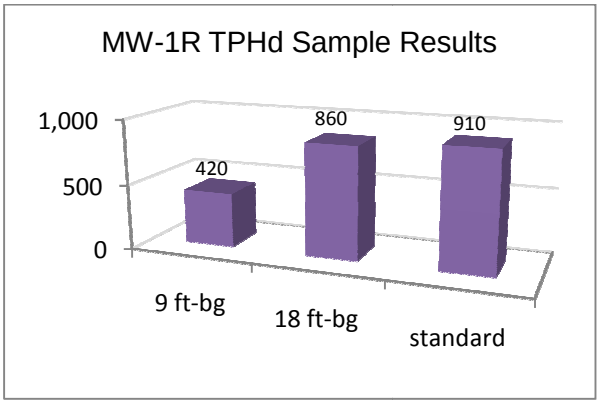
Depth-Specific Analytical Results

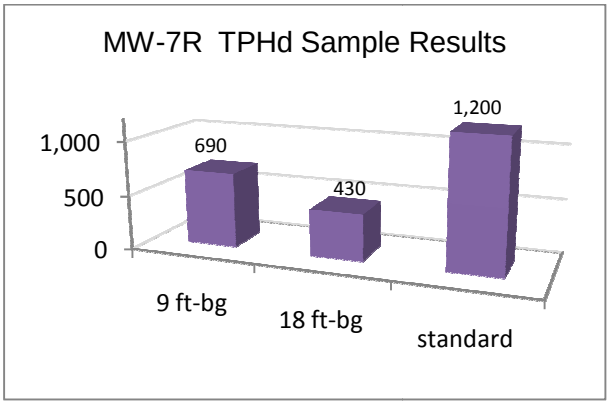
Results for the depth-specific, low-flow purge samples from MW-1R and MW-7R were compared to samples collected using the standard three-volume-purge method. Figure 7 provides a visual comparison of TPHg and TPHd concentrations.

TPHd

The TPHd concentrations reported for the samples collected at 9 ft-bg and 18 ft-bg in MW-1R and MW-7R were less than the results reported for the standard sample from the same well.

- TPHd concentrations in MW-1R were 420 µg/L at 9 ft-bg, 860 µg/L at 18 ft-bg, and 910 µg/L in the standard sample.
- TPHd concentrations in MW-7R were 690 µg/L at 9 ft-bg, 430 µg/L at 18 ft-bg, and 1,200 µg/L in the standard sample.

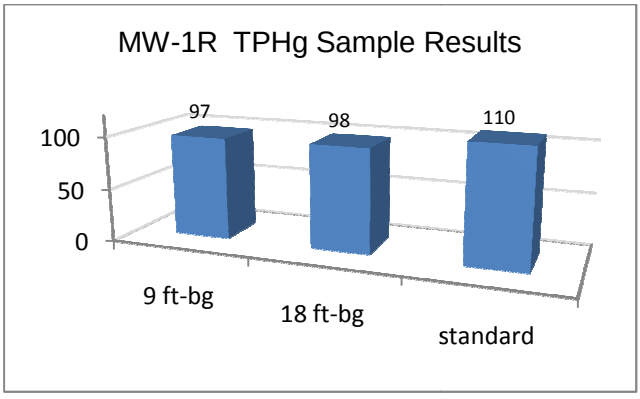


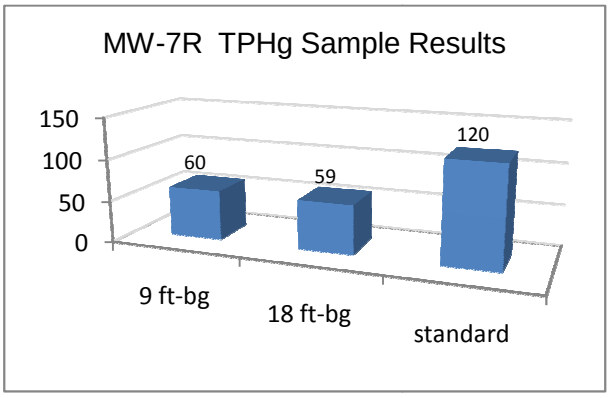


TPHg

The TPHg concentrations reported for the samples collected at 9 ft-bg and 18 ft-bg in MW-1R and MW-7R were similar, and were lower than the results reported for the standard sample from the same well.

- TPHg concentrations in MW-1R were 97 µg/L at 9 ft-bg,98 µg/L at 18 ft-bg, and 110 µg/L in the standard sample.
- TPHg concentrations in MW-7R were 60 µg/L at 9 ft-bg, 59 µg/L at 18 ft-bg, and 120 µg/L in the standard sample.





MTBE

MTBE was reported in the three samples from MW-7R at similar concentrations: at 1.9 µg/L in the sample from 9 ft-bg and at 2.0 µg/L in the sample from 18 ft-bg and in the standard sample. MTBE was not detected above laboratory reporting limits in the three samples from MW-1R.

CONCENTRATION TRENDS

The following is a summary of concentration trends for each of the chemical constituents.

TPHd – A plot depicting TPHd concentrations over time is included as Figure 8.

- TPHd concentrations in wells MW-8, MW-2, OW-1, and OW-2 have increased since the previous sampling event, and with the exception of OW-1, are consistent with historical data.

- As illustrated on Figure 8, concentrations of TPHd in wells MW-1/1R, MW-7/7R, and MW-8 have decreased from historical high concentrations observed before Fenton's treatment in October 2000, while overall concentrations have increased in wells OW-1, OW-2, and MW-4. Concentrations remain low in well MW-2.

TPHg – A plot depicting TPHg concentrations over time is included as Figure 9.

- All detectable TPHg concentrations remained consistent or decreased since the previous sampling event, with the exception of MW-4, OW-1, and OW-2.

- Based on the February 2011 groundwater chemical data, the TPHg concentration of 4,000 µg/L reported in MW-7R in July 2010 appears anomalous and not indicative of an increasing concentration trend. Concentrations of TPHg in this well will be evaluated during future monitoring events.

- As illustrated on Figure 9, concentrations of TPHg in all wells have decreased from historical high concentrations observed prior to October 2000.

- TPHd concentrations in well MW-8 have continued to remain non-detect.

BTEX – A plot depicting benzene concentrations over time is included as Figure 10.

- Benzene concentrations continue to decrease or remain below laboratory reporting limits in site wells, most notably in wells MW-1/1R and MW-7/7R.

- Toluene, ethylbenzene, and xylenes have not been detected since 2001.

MTBE – A plot depicting MTBE concentrations over time is included as Figure 11.

- MTBE concentrations in site wells are typically low, with values in the 5 to 10 µg/L range in most wells. The most recent analytical results are is consistent with historical data.

EDC/EDB

- Lead scavengers EDC and EDB have not been detected in groundwater since first analyzed in April 2009.

DISCUSSION AND CONCLUSIONS

During this sampling event, Stantec collected multiple, depth-specific samples from wells MW-1R and MW-7R to evaluate: 1) the potential for chemical stratification in the wells, and 2) the potential for dilution of samples collected following the standard three-volume-purge method. Comparison of the data, presented herein, indicates little variability between the two methods, and Stantec concludes that the three-volume-purge method is an appropriate sampling methodology for these wells. Groundwater chemical data obtained from the wells appear to accurately represent groundwater conditions in the immediately adjacent formation.

Project Status

In correspondence dated December 17, 2009, the ACEHS requested the submittal of a FS/CAP following installation of wells MW-1R and MW-7R. Based on the absence of free-phase product in wells MW-1R and MW-7R we recommend one additional sampling event to evaluate conditions in the new wells prior to preparing a FS/CAP.

In accordance with Stantec's October 27, 2009, *Monitoring Well Installation Work Plan*, Stantec will continue to monitor wells MW-1R and MW-7R for free-phase fuel product on a quarterly basis for remainder of the year along with wells MW-2, MW-4, MW-4, MW-5, MW-6, MW-8, OW-1, and OW-2. The next semi-annual groundwater monitoring event will be conducted during the third quarter 2011.

In recognition of the absence of free product at the site, the low levels of petroleum hydrocarbons in groundwater and analytical data which indicates that the impacted groundwater is not migrating off-site, Penske is requesting a meeting with the ACEHS case manager to discuss closure of the site.

If you have any questions regarding this document or the findings herein presented, please contact the undersigned at (925) 299-9300.

Sincerely,

STANTEC CONSULTING CORPORATION

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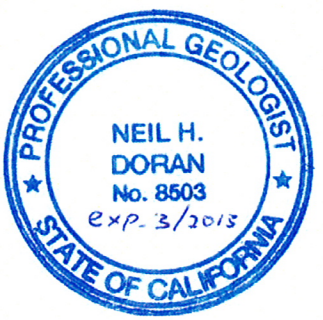
cc: Mr. Andrew Cullen, Penske Truck Leasing, Reading PA



LIST OF ATTACHMENTS

TABLES

2011 Semi-Annual Monitoring and Sampling Report
Former Penske Truck Leasing Facility
725 Julie Ann Way, Oakland, California
Alameda County Site ID RO0000354
Stantec PN: 185702330 200.0002
May 13, 2011

TABLE 1

WELL CONSTRUCTION DETAILS

Former Penske Facility - 725 Julie Ann Way , Oakland, CA

Well	Latitude	Longitude	Total Depth (feet bgs)	Casing Diameter (inches)	Screen Slot Size (inches)	Screen Length (feet)	Screen Interval (feet bgs)	Top of Casing Elevation
MW-1R	37.7597443	-122.20913	20	2	0.02	16.5	3.5 - 20.0	11.02
MW-2	37.7599047	-122.20890	30	2	0.02	20	10.0 - 30.0	11.87
MW-3	37.7599598	-122.20902	35	2	0.02	25	10.0 - 35.0	11.79
MW-4	37.7598508	-122.20922	33.5	2	0.02	27	6.5 - 33.5	10.88
MW-5	37.7600163	-122.20942	35	2	0.02	25	6.0 - 31.0	10.41
MW-6	37.7601553	-122.20923	25	2	0.02	10	15.0 - 25.0	11.05
MW-7R	37.7597618	-122.2092	20	2	0.02	16.5	3.5 - 20.0	10.84
MW-8	37.7598006	-122.20932	28	2	0.02	18	10.0 - 28.0	10.75
OW-1	37.7598218	-122.20913	13.5	2	0.02	na	na na	10.75
OW-2	37.7598650	-122.20911	14.0	2	0.02	na	na na	11.03

California State Plane Coordinates, NAVD88; survey conducted by Mid Coast Engineers, Watsonville, California, April 26, 2011.

ft. bgs = feet below ground surface

TABLE 2
GROUNDWATER ELEVATION DATA
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	Elevation (Feet)[(a)]	Depth to Water (Feet)	Groundwater Elevation (Feet)
MW-1	02/20/97	11.02	5.41	5.61
	05/28/97		5.98	5.04
	09/19/97		6.45	4.57
	11/17/97		6.14	4.88
	02/27/98		4.83	6.19
	05/27/98		6.42	4.60
	10/01/98		6.49	4.53
	12/22/98		6.35	4.67
	03/14/00		4.95	6.07
	06/28/00		5.54	5.48
	09/14/00		6.41	4.61
	12/11/00		6.08	4.94
	03/14/01		6.11	4.91
	06/13/01		5.68	5.34
	08/29/01		6.13	4.89
	12/12/01		5.31	5.71
	04/11/02		5.21	5.81
	12/05/02		5.85	5.17
	04/22/09		5.03	5.99
	Well MW-1 abandoned on January 11, 2010 and replaced with well MW-1R on January 12, 2010.			
MW-1R	02/08/10	11.02	4.41	6.61
	05/10/10		4.58	6.44
	07/16/10		4.98	6.04
	10/04/10		5.57	5.45
	02/03/11		4.92	6.10
	04/11/11		4.40	6.62
MW-2	02/20/97	11.87	6.26	5.61
	05/28/97		6.65	5.22
	09/19/97		6.90	4.97
	11/17/97		6.75	5.12
	02/27/98		5.31	6.56
	05/27/98		5.87	6.00
	10/01/98		6.95	4.92
	12/22/98		6.70	5.17
	03/15/00		5.45	6.42
	06/28/00		6.37	5.50
	09/14/00		6.86	5.01
	12/11/00		7.33	4.54
	03/14/01		5.75	6.12
	06/13/01		6.33	5.54
	08/29/01		6.71	5.16
	12/12/01		5.92	5.95
	04/11/02		5.88	5.99
	12/05/02		6.56	5.31
	04/22/09		5.52	6.35
	02/08/10		5.28	6.59
	05/10/10		5.46	6.41
	07/16/10		5.80	6.07
	10/04/10		8.32	3.55
	02/03/11		5.83	6.04
	04/11/11		5.35	6.52

TABLE 2
GROUNDWATER ELEVATION DATA
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	Elevation (Feet)[(a)]	Depth to Water (Feet)	Groundwater Elevation (Feet)
MW-3	02/20/97	11.79	6.36	5.43
	05/28/97		6.62	5.17
	09/19/97		6.83	4.96
	11/17/97		6.77	5.02
	02/27/98		5.38	6.41
	05/27/98		6.05	5.74
	10/01/98		6.95	4.84
	12/22/98		6.73	5.06
	03/14/00		NM	NM
	06/28/00		6.37	5.42
	09/14/00		7.06	4.73
	12/11/00		6.68	5.11
	03/14/01		5.85	5.94
	06/13/01		6.34	5.45
	08/29/01		6.70	5.09
	12/12/01		5.95	5.84
	04/11/02		5.86	5.93
	12/05/02		6.55	5.24
	04/22/09		NM	NM
	02/08/10		5.31	6.48
	05/10/10		5.52	6.27
	07/16/10		5.90	5.89
	10/04/10		6.28	5.51
	02/03/11		5.33	6.46
	04/11/11		5.37	6.42
MW-4	02/20/97	10.88	5.29	5.59
	05/28/97		5.66	5.22
	09/19/97		6.00	4.88
	11/17/97		6.06	4.82
	02/27/98		4.66	6.22
	05/27/98		5.98	4.90
	10/01/98		5.23	5.65
	12/22/98		6.57	4.31
	03/14/00		4.86	6.02
	06/28/00		5.55	5.33
	09/14/00		6.05	4.83
	12/11/00		5.93	4.95
	03/14/01		5.04	5.84
	06/13/01		5.25	5.63
	08/29/01		5.89	4.99
	12/12/01		5.14	5.74
	04/11/02		4.96	5.92
	12/05/02		5.68	5.20
	04/22/09		4.67	6.21
	02/08/10		4.71	6.17
	05/10/10		4.55	6.33
	07/16/10		5.12	5.76
	10/04/10		5.49	5.39
	02/03/11		5.13	5.75
	04/11/11		4.29	6.59

TABLE 2
GROUNDWATER ELEVATION DATA
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	Elevation (Feet)[(a)]	Depth to Water (Feet)	Groundwater Elevation (Feet)
MW-5	02/20/97	10.41	4.68	5.73
	05/28/97		5.21	5.20
	09/19/97		5.43	4.98
	11/17/97		5.28	5.13
	02/27/98		4.10	6.31
	05/27/98		5.40	5.01
	10/01/98		5.42	4.99
	12/22/98		5.40	5.01
	03/14/00		NM	NM
	06/28/00		5.11	5.30
	09/14/00		NM	NM
	12/11/00		5.48	4.93
	03/14/01		4.57	5.84
	06/13/01		5.05	5.36
	08/29/01		5.34	5.07
	12/12/01		4.79	5.62
	04/11/02		4.66	5.75
	12/05/02		5.32	5.09
	04/22/09		NM	NM
	02/08/10		4.13	6.28
	05/10/10		4.20	6.21
	07/16/10		4.44	5.97
	10/04/10		4.97	5.44
	02/03/11		4.51	5.90
	04/11/11		4.00	6.41
MW-6	02/20/97	11.05	5.38	5.67
	05/28/97		5.93	5.12
	09/19/97		6.15	4.90
	11/17/97		6.06	4.99
	02/27/98		4.74	6.31
	05/27/98		5.40	5.65
	10/01/98		6.37	4.68
	12/22/98		6.06	4.99
	03/14/00		NM	NM
	06/28/00		6.71	4.34
	09/14/00		6.17	4.88
	12/11/00		NM	NM
	03/14/01		5.11	5.94
	06/13/01		6.65	4.40
	08/29/01		6.00	5.05
	12/12/01		5.33	5.72
	04/11/02		5.15	5.90
	12/05/02		5.90	5.15
	04/22/09		NM	NM
	02/08/10		4.56	6.49
	05/10/10		4.79	6.26
	07/16/10		5.03	6.02
	10/04/10		5.57	5.48
	02/03/11		5.24	5.81
	04/11/11		4.71	6.34

TABLE 2
GROUNDWATER ELEVATION DATA
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	Elevation (Feet)[(a)]	Depth to Water (Feet)	Groundwater Elevation (Feet)
MW-7	02/20/97	10.84	5.70	5.14
	05/28/97		5.46	5.38
	09/19/97		5.91	4.93
	11/17/97		5.59	5.25
	02/27/98		4.68	6.16
	05/27/98		5.17	5.67
	10/01/98		5.80	5.04
	12/22/98		5.78	5.06
	03/14/00		4.50	6.34
	06/28/00		5.51	5.33
	09/14/00		5.93	4.91
	12/11/00		5.72	5.12
	03/14/01		4.58	6.26
	06/13/01		5.18	5.66
	08/29/01		5.53	5.31
	12/12/01		4.73	6.11
	04/11/02		4.68	6.16
	12/05/02		5.25	5.59
	04/22/09		4.58	6.26
	Well MW-7 abandoned on January 11, 2010 and replaced with well MW-7R on January 12, 2010.			
MW-7R	02/08/10	10.84	4.28	6.56
	05/10/10		4.55	6.29
	07/16/10		4.82	6.02
	10/04/10		5.42	5.42
	02/03/11		4.98	5.86
	04/11/11		4.63	6.21
MW-8	02/20/97	10.75	5.10	5.65
	05/28/97		5.68	5.07
	09/19/97		5.95	4.80
	11/17/97		5.91	4.84
	02/27/98		4.50	6.25
	05/27/98		6.10	4.65
	10/01/98		6.13	4.62
	12/22/98		6.10	4.65
	03/14/00		5.01	5.74
	06/28/00		5.47	5.28
	09/14/00		5.99	4.76
	12/11/00		5.84	4.91
	03/14/01		4.90	5.85
	06/13/01		5.40	5.35
	08/29/01		5.80	4.95
	12/12/01		5.05	5.70
	04/11/02		4.95	5.80
	12/05/02		5.42	5.33
	04/22/09		4.94	5.81
	02/08/10		4.31	6.44
	05/10/10		4.54	6.21
	07/16/10		4.80	5.95
	10/04/10		5.38	5.37
	02/03/11		5.93	4.82
	04/11/11		4.45	6.30

TABLE 2
GROUNDWATER ELEVATION DATA
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	Elevation (Feet)[(a)]	Depth to Water (Feet)	Groundwater Elevation (Feet)
OW-1	03/15/00	10.75	4.47	6.28
	06/29/00		4.95	5.80
	08/29/01		5.01	5.74
	09/14/00		5.31	5.44
	12/11/00		5.17	5.58
	03/14/01		4.54	6.21
	06/13/01		4.75	6.00
	12/12/01		4.80	5.95
	04/11/02		4.52	6.23
	12/05/02		5.13	5.62
	04/22/09		4.19	6.56
	02/08/10		4.20	6.55
	05/10/10		4.13	6.62
	07/16/10		4.31	6.44
	10/04/10		4.64	6.11
	02/03/11		4.45	6.30
	04/11/11		4.01	6.74
OW-2	03/15/00	11.03	4.76	6.27
	06/29/00		5.15	5.88
	09/14/00		5.60	5.43
	12/11/00		5.45	5.58
	03/14/01		4.77	6.26
	06/13/01		5.01	6.02
	08/29/01		5.31	5.72
	12/12/01		5.10	5.93
	04/11/02		4.83	6.20
	12/05/02		5.42	5.61
	04/22/09		4.52	6.51
	02/08/10		4.41	6.62
	05/10/10		4.49	6.54
	07/16/10		4.47	6.56
	10/04/10		4.93	6.10
	02/03/11		4.65	6.38
	04/11/11		4.28	6.75

Notes:

(a) - All well elevations surveyed to the NAV 88 datum on April 26, 2011.
Destroyed wells MW-1 and MW-7 were assumed to have the same elevation as the replacement wells.

NM - Not Measured

TABLE 3
FIELD PARAMETER DATA
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	pH (units)	D.O. (mg/L)	ORP (millivolts)
MW-1	12/28/99	7.92	0.87	-211
	03/14/00	7.29	1.12	-23
	06/28/00	8.26	0.55	-248
	09/14/00	6.92	0.36	-316
	12/11/00	7.05	1.34	-55
	03/14/01	7.07	1.24	-66
	06/13/01	7.05	1.20	-109
	08/29/01	7.78	NM	-63
	12/12/01	6.93	1.28	-4
	04/12/02	6.72	0.37	-56
	12/05/02	7.01	NM	-79
	04/22/09	6.94	0.08	-57/102
	Well MW-1 abandoned on January 11, 2010 and replaced with well MW-1R on January 12, 2010.			
MW-1R	02/08/10	7.27	1.07	NM
	07/16/10	7.14	0.15	-139/-152
	02/03/11	6.92	0.59	-225/-234
MW-2	12/28/99	7.94	0.96	-38
	03/15/00	7.28	1.43	-255
	06/28/00	7.52	0.89	-221
	09/14/00	7.44	0.61	-310
	12/11/00	7.28	1.96	24
	03/14/01	7.34	1.46	11
	06/13/01	7.07	0.95	-12
	08/29/01	7.24	NM	70
	12/12/01	7.13	0.88	13
	04/11/02	7.25	0.66	126
	12/05/02	7.01	0.14	-32
	04/22/09	6.91	0.17	143/-12
	02/08/10	6.91	3.56	NM
	07/16/10	7.19	0.40	104/72
	02/04/11	7.36	1.03	174/196
MW-4	12/28/99	7.38	0.80	-201
	03/14/00	6.97	2.11	35
	06/28/00	6.87	3.57	-34
	09/14/00	7.23	1.06	16
	12/11/00	6.99	2.27	74
	03/14/01	6.81	1.28	-91
	06/13/01	6.97	0.97	-30
	08/29/01	7.45	NM	104
	12/13/01	6.88	0.34	199
	04/12/02	6.77	0.95	12
	12/05/02	6.81	0.56	-13
	04/22/09	6.71	0.16	-67/-68
	02/08/10	6.92	2.38	NM
	02/04/11	7.68	0.77	-7/80

TABLE 3
FIELD PARAMETER DATA
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	pH (units)	D.O. (mg/L)	ORP (millivolts)
MW-5	12/28/99	7.55	1.14	-118
	06/28/00	7.57	1.79	-103
	12/11/00	7.28	4.14	-11
	06/13/01	7.04	3.61	-44
	12/13/01	7.05	3.26	52
	04/11/02	7.04	2.28	-524
MW-6	07/16/10	6.99	0.47	-107/-124
MW-7	12/28/99	7.94	1.30	-58
	03/14/00	7.23	1.05	-260
	06/28/00	7.18	5.76	-164
	09/14/00	7.06	0.65	-306
	12/12/00	7.02	1.25	-70
	03/14/01	7.10	0.94	-6
	06/13/01	7.03	1.77	-94
	08/29/01	7.34	NM	58
	12/12/01	7.09	0.98	47
	04/12/02	6.60	0.71	0
	12/05/02	6.96	0.14	10
	04/22/09	7.09	0.17	-37/-98
	Well MW-7 abandoned on January 11, 2010 and replaced with well MW-7R on January 12, 2010.			
MW-7R	02/08/10	7.43	2.32	NM
	07/16/10	7.28	0.12	-148/-105
	02/04/11	7.47	1.03	56/50
MW-8	12/28/99	7.79	0.42	-136
	03/14/00	7.05	1.53	-27
	06/28/00	8.86	1.87	-77
	09/14/00	7.32	1.07	-166
	12/12/00	7.05	1.16	-61
	03/14/01	7.21	2.55	16
	06/13/01	7.10	2.43	-21
	08/29/01	7.52	NM	9
	12/13/01	7.15	1.55	12
	04/12/02	6.58	1.83	-10
	12/05/02	6.91	0.07	-88
	04/22/09	7.13	2.72	98/30
	02/08/10	7.09	3.58	NM
	07/16/10	7.26	0.29	68/0
	02/04/11	7.47	1.88	151/123

TABLE 3
FIELD PARAMETER DATA
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	pH (units)	D.O. (mg/L)	ORP (millivolts)
OW-1	12/28/99	7.67	0.99	-89
	03/15/00	7.31	1.16	-55
	06/29/00	6.34	3.29	-48
	09/14/00	7.02	0.98	-115
	12/12/00	6.94	1.98	-5
	03/14/01	7.04	2.89	-5
	06/13/01	6.76	1.11	-58
	08/29/01	7.04	NM	-39
	12/12/01	6.83	1.17	-46
	04/11/02	7.19	0.75	-31
	12/05/02	6.88	0.03	-79
	04/22/09	6.80	0.29	-77/-88
	02/08/10	6.98	2.91	NM
	07/16/10	7.03	0.41	-81/-118
	02/04/11	7.10	1.10	-42/-89
OW-2	12/28/99	7.69	1.79	-58
	03/15/00	7.25	0.99	-35
	06/29/00	6.44	2.39	-66
	09/14/00	7.21	1.33	-89
	12/12/00	6.90	1.44	-76
	03/14/01	7.16	2.68	-54
	06/13/01	6.97	1.15	-92
	08/29/01	7.16	NM	-93
	12/12/01	6.81	1.36	-61
	04/11/02	7.08	0.89	-44
	12/05/02	6.85	0.01	-95
	04/22/09	6.89	0.35	-103/-90
	02/08/10	7.10	2.12	NM
	07/16/10	7.11	0.38	-107/-13
	02/04/11	7.24	1.06	13/-89

Notes:
D.O. - Dissolved Oxygen
mg/L - milligrams per liter
ORP - Oxidation Reduction Potential
NM - Not Measured

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	TPHd	TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	Ethylene Dichloride	Ethylene Dibromide	Naphthalene
		(µ/L)									
MW-1	02/20/97	200,000	2,900	260	61	42	96	NS	NA	NA	NA
	05/28/97	28,000	2,100	230	42	55	110	NS	NA	NA	NA
	09/19/97	2,700,000	110,000	230	140	250	700	ND	NA	NA	NA
	11/17/97	950,000	40,000	240	190[c]	270[c]	880[c]	ND[c]	NA	NA	NA
	02/27/98	1,200,000	380,000	50	50	200	800	ND	NA	NA	NA
	05/27/98	280,000	13,000	110	13	66	390	ND	NA	NA	NA
	10/01/98	63,000	1,300	43	1.2	15	84	ND	NA	NA	NA
	12/22/98	79,000	2,000	32	ND[e]	23[e]	130[e]	ND	NA	NA	NA
	12/28/99	43,000	1,700	49	1.3	11	24	ND	NA	NA	NA
	03/14/00	4,300	540	59	1.3	12	23	NA	NA	NA	NA
	06/28/00	290,000	1,300	26	ND	ND	23	ND	NA	NA	NA
	09/14/00	770,000	1,100	34	ND	3.9	17	ND	NA	NA	NA
	12/11/00	28,000	2,000	10	ND	ND	9.3	ND	NA	NA	NA
	03/14/01	8,400	350	12	ND	ND	ND	ND	NA	NA	NA
	06/13/01	13,000	340	6.4	ND	ND	1.6	ND	NA	NA	NA
	08/29/01	26,000	140	0.5	ND	ND	ND	ND	NA	NA	NA
	12/12/01	5,600	160	0.65	ND	ND	ND	ND	NA	NA	NA
	04/12/02	23,000	260	3.4	ND	ND	ND	NA	NA	NA	NA
	12/05/02	17,000	340	2.2	ND	ND	ND	6.0	NA	NA	NA
	04/22/09	3,200	240	<0.50	<0.50	<0.50	<1.0	2.6	<0.50	<0.50	<0.50
	DUP	12,000	310	<0.50	<0.50	<0.50	<1.0	2.8	<0.50	<0.50	<0.50
	Well MW-1 abandoned on January 11, 2010 and replaced with well MW-1R on January 12, 2010.										
MW-1R	02/08/10	5,600	120 [k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dup	02/08/10	5,800	110 [k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	07/16/10	770	110 [k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dup	07/16/10	960	120 [k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
9 feet	02/03/11	420	97 [k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
18 feet	02/03/11	860	98 [k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
std	02/03/11	910	110 [k]	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
MW-2	02/20/97	1,000[h]	ND	ND	ND	ND	ND	NS	NA	NA	NA
	05/28/97	3,700[b,h]	ND	ND	ND	ND	ND	NS	NA	NA	NA
	09/19/97	4100	ND	ND	ND	ND	ND	ND	NA	NA	NA
	11/17/97	1300	ND	ND	ND	ND	ND	ND	NA	NA	NA
	02/27/98	340	ND	ND	0.9	ND	ND	ND	NA	NA	NA
	05/27/98	1300	ND	ND	ND	ND	ND	ND	NA	NA	NA
	10/01/98	3,500[i]	3,200	ND	ND	ND	ND	ND	NA	NA	NA
	12/22/98	1,200[j,k]	67[d]	ND	ND	ND	ND	ND	NA	NA	NA
	12/28/99	750	ND	ND	ND	ND	ND	ND	NA	NA	NA
	03/15/00	92	ND	ND	ND	ND	ND	ND	NA	NA	NA
	06/28/00	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	09/14/00	120	ND	ND	ND	ND	ND	ND	NA	NA	NA
	12/11/00	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	03/14/01	75	ND	ND	ND	ND	ND	ND	NA	NA	NA
	06/13/01	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	08/29/01	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	12/12/01	150*	ND	ND	ND	ND	ND	ND	NA	NA	NA
	04/12/02	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	12/05/02	57*	ND	ND	ND	ND	ND	ND	NA	NA	NA
	04/22/09	140	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	02/08/10	870[k]	<50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<0.50	<0.50
	07/16/10	<50	<50	<0.50	<0.50	<0.50	<1.0	1.5	<0.50	<0.50	<0.50
	02/04/11	90[k]	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	TPHd	TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	Ethylene Dichloride	Ethylene Dibromide	Naphthalene
		(µ/L)									
MW-3	02/20/97	140[h]	ND	ND	ND	ND	ND	NS	NA	NA	NA
	05/28/97	240[b,h]	ND	ND	ND	ND	ND	NS	NA	NA	NA
	09/19/97	ND	ND	0.7	ND	ND	ND	ND	NA	NA	NA
	11/17/97	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	02/27/98	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	05/27/98	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	10/01/98	56[l]	ND	ND	ND	ND	ND	ND	NA	NA	NA
	12/22/98	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	12/28/99	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	03/14/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	06/28/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	09/14/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	12/11/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	03/14/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	06/13/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	08/29/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	12/13/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	04/11/02	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	12/05/02	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	Well MW-3 no longer included in sampling program										
MW-4	02/20/97	470,000	64,000	ND	ND	ND	ND	NS	NA	NA	NA
	05/28/97	1,000,000	11,000	ND	ND	ND	ND	NS	NA	NA	NA
	09/19/97	2,600,000	37,000	260	ND	ND	ND	ND	NA	NA	NA
	11/17/97	57,000	4,400	25	ND[c]	ND[c]	ND[c]	ND[c]	NA	NA	NA
	02/27/98	9,300	580	2.7	0.8	0.8	3	ND	NA	NA	NA
	05/27/98	11,000	3,900	1.4	0.6	ND	ND	ND	NA	NA	NA
	10/01/98	670,000	2,400	5.7	ND	ND	4.6	ND	NA	NA	NA
	12/22/98	3,700	200	ND[p]	ND[p]	ND[p]	ND[p]	ND[p]	NA	NA	NA
	12/28/99	5,800	1,000	ND	ND	ND	ND	ND	NA	NA	NA
	03/14/00	4,800	350	ND	ND	ND	ND	NA	NA	NA	NA
	06/28/00	8,400	120	ND	ND	ND	ND	ND	NA	NA	NA
	09/14/00	19,000	130	ND	ND	ND	ND	ND	NA	NA	NA
	12/11/00	730	120	ND	ND	ND	ND	ND	NA	NA	NA
	03/14/01	580	50	ND	ND	ND	ND	ND	NA	NA	NA
	06/13/01	260	54	ND	ND	ND	ND	ND	NA	NA	NA
	08/29/01	30,000	940	ND	ND	ND	ND	ND	NA	NA	NA
	12/13/01	260	50	ND	ND	ND	ND	ND	NA	NA	NA
	04/12/02	230	50	ND	ND	ND	ND	NA	NA	NA	NA
	12/05/02	1,500	50	ND	ND	ND	ND	ND	NA	NA	NA
	04/22/09	13,000	480	<0.50	<0.50	<0.50	<0.50	3.0	<0.50	<0.50	<0.50
	02/08/10	12,000	120 [k]	<0.50	<0.50	<0.50	<0.50	1.6	<0.50	<0.50	<0.50
	07/16/10	2,700	210 [k]	<0.50	<0.50	<0.50	<0.50	4.2	<0.50	<0.50	<0.50
	02/04/11	26,000	1600 [k]	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<0.50	<0.50
MW-5	02/20/97	1,100[h]	ND	ND	ND	ND	ND	NS	NA	NA	NA
	05/28/97	560[b,q]	60[m]	ND	ND	ND	ND	NS	NA	NA	NA
	09/19/97	1,000	70	ND	ND	ND	ND	ND	NA	NA	NA
	11/17/97	1,100	70	0.6	0.7	0.5	ND	5	NA	NA	NA
	02/27/98	ND	ND	ND	ND	ND	ND	5	NA	NA	NA
	05/27/98	770	ND	ND	ND	ND	ND	ND	NA	NA	NA
	10/01/98	630	ND	ND	ND	ND	ND	ND	NA	NA	NA
	12/22/98	890[r]	ND	ND	ND	ND	ND	ND	NA	NA	NA
	12/28/99	440	ND	ND	ND	ND	ND	ND	NA	NA	NA
	03/15/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	06/28/00	110*	ND	ND	ND	ND	ND	ND	NA	NA	NA
	09/14/00	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	12/11/00	130	ND	ND	ND	ND	ND	ND	NA	NA	NA
	03/14/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	06/13/01	120	ND	ND	ND	ND	ND	ND	NA	NA	NA
	08/29/01	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	12/13/01	530*	ND	ND	ND	ND	ND	ND	NA	NA	NA
	04/11/02	230*	ND	ND	ND	ND	ND	NA	NA	NA	NA
	Well MW-5 no longer included in sampling program										

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	TPHd	TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	Ethylene Dichloride	Ethylene Dibromide	Naphthalene
		(µ/L)									
MW-7	02/20/97	1,500,000	15,000	81	51	ND	ND	NS	NA	NA	NA
	05/28/97	440,000	390,000	ND	ND	ND	ND	NS	NA	NA	NA
	09/19/97	910,000	3,600	110	64	37	ND	ND	NA	NA	NA
	11/17/97	18,000,000	15,000	110	41[c]	12[c]	110[c]	ND[c]	NA	NA	NA
	02/27/98	290,000	45,000	80	60	ND	ND	ND	NA	NA	NA
	05/27/98	1,600	140	2.3	0.9	0.9	3	ND	NA	NA	NA
	10/01/98	89,000	710	39	2.4	11	31	ND	NA	NA	NA
	12/22/98	240,000	3,900	51	ND	ND	ND	ND	NA	NA	NA
	12/28/99	300,000	2,300	51	5.3	13	27	ND	NA	NA	NA
	03/14/00	640,000	620	31	5.3	9.9	31	NA	NA	NA	NA
	06/28/00	2,900,000	3,200(k)	15	ND	3.2	30	ND	NA	NA	NA
	09/14/00	15,000,000	1,900	11	ND	10	39	ND	NA	NA	NA
	12/12/00	340,000	4,500	5	ND	ND	17	ND	NA	NA	NA
	03/14/01	170,000	8,000	5	ND	ND	ND	ND	NA	NA	NA
	06/13/01	19,000	100	0.99	ND	ND	ND	6.2	NA	NA	NA
	08/29/01	27,000	120	3.9	ND	ND	ND	5	NA	NA	NA
	12/12/01	6,900	610	0.5	ND	ND	ND	ND	NA	NA	NA
	04/12/02	2,600	110	0.5	ND	ND	ND	NA	NA	NA	NA
	12/05/02	9,100	290	0.5	ND	ND	ND	5.7	NA	NA	NA
	04/22/09	1,900	56	<0.50	<0.50	<0.50	<1.0	3.4	<0.50	<0.50	<0.50
	Well MW-7 abandoned on January 11, 2010 and replaced with well MW-7R on January 12, 2010.										
MW-7R	02/08/10	560	52 [k]	0.63	<0.50	<0.50	<0.50	2.4	<0.50	<0.50	<0.50
	07/16/10	12,000	4,000 [k]	2.6	<50	0.8	6.9	2.5	<50	<50	<50
9 feet	02/03/11	690	60 [k]	<0.50	<0.50	<0.50	<0.50	1.9	<0.50	<0.50	<0.50
18 feet	02/03/11	430	59[k]	<0.50	<0.50	<0.50	<0.50	2.0	<0.50	<0.50	<0.50
std	02/03/11	1,200	120 [k]	<0.50	<0.50	<0.50	<0.50	2.0	<0.50	<0.50	<0.50
MW-8	02/20/97	2,500	340[a]	2.1	53	7.1	94	NS	NA	NA	NA
	05/28/97	200[b,s]	480[a]	2.5	12	ND	76	NS	NA	NA	NA
	09/19/97	7,000	1,000	0.8	5	0.5	130	ND	NA	NA	NA
	11/17/97	520	250	1.4	2.1	0.7	3	ND	NA	NA	NA
	02/27/98	150	ND	ND	ND	ND	ND	ND	NA	NA	NA
	05/27/98	70	ND	ND	ND	ND	ND	ND	NA	NA	NA
	10/01/98	440[f]	ND	ND	ND	ND	ND	ND	NA	NA	NA
	12/22/98	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA
	12/28/99	130	ND	ND	ND	ND	ND	ND	NA	NA	NA
	03/14/00	170	ND	ND	ND	ND	ND	NA	NA	NA	NA
	06/28/00	300*	ND	ND	ND	ND	ND	ND	NA	NA	NA
	09/14/00	310	ND	ND	ND	ND	ND	ND	NA	NA	NA
	12/11/00	15,000	ND	ND	ND	ND	ND	ND	NA	NA	NA
	03/14/01	130	ND	ND	ND	ND	ND	ND	NA	NA	NA
	06/13/01	100	ND	ND	ND	ND	ND	ND	NA	NA	NA
	08/29/01	160*	ND	ND	ND	ND	ND	ND	NA	NA	NA
	12/13/01	97*	ND	ND	ND	ND	ND	ND	NA	NA	NA
	04/12/02	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	12/05/02	97	ND	ND	ND	ND	ND	ND	NA	NA	NA
	04/22/09	<50	<50	<0.50	<0.50	<0.50	<1.0	2.9	<0.50	<0.50	<0.50
	02/08/10	360 [k]	<50	<0.50	<0.50	<0.50	<0.50	1.7	<0.50	<0.50	<0.50
	07/16/10	<50	<50	<0.50	<0.50	<0.50	<0.50	1.6	<0.50	<0.50	<0.50
	02/04/11	62 [k]	<50	<0.50	<0.50	<0.50	<0.50	0.8	<0.50	<0.50	<0.50

TABLE 4
GROUNDWATER ANALYTICAL RESULTS
FORMER PENSKE TRUCK LEASING FACILITY
725 Julie Ann Way, Oakland, California

Well No.	Date	TPHd	TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	Ethylene Dichloride	Ethylene Dibromide	Naphthalene
		(µ/L)									
OW-1	12/28/99	7,700	3,400	11	ND	ND	2.6	ND	NA	NA	NA
	03/15/00	5,300	700	1.7	ND	ND	ND	ND	NA	NA	NA
	06/29/00	1,300*	140(k)	4	ND	ND	2.2	6.6	NA	NA	NA
	09/14/00	5,800	180	ND	ND	ND	ND	ND	NA	NA	NA
	12/12/00	230	110	3.4	ND	ND	ND	ND	NA	NA	NA
	03/14/01	2,200	110	4	ND	ND	0.5	ND	NA	NA	NA
	06/13/01	1,500	120	2.5	ND	ND	ND	ND	NA	NA	NA
	08/29/01	1,200*	130(k)	ND	ND	ND	ND	ND	NA	NA	NA
	12/12/01	3,100*	76(k)	ND	ND	ND	ND	ND	NA	NA	NA
	04/11/02	3,600*	300(k)	ND	ND	ND	ND	NA	NA	NA	NA
	12/05/02	490*	78(k)	ND	ND	ND	ND	ND	NA	NA	NA
	04/22/09	1,600	130	<0.50	<0.50	<0.50	<1.0	8.9	<0.50	<0.50	<0.50
	02/08/10	11,000	<50	<0.50	<0.50	<0.50	<0.50	5.1	<0.50	<0.50	<0.50
	07/16/10	85	57 (k)	<0.50	<0.50	<0.50	<0.50	4.3	<0.50	<0.50	<0.50
	02/04/11	17,000	140 (k)	<0.50	<0.50	<0.50	<0.50	5.9	<0.50	<0.50	<0.50
OW-2	12/28/99	3,300	770	36	ND	ND	1.7	16	NA	NA	NA
	03/15/00	1,100	350	24	ND	ND	ND	9.3	NA	NA	NA
	06/29/00	850	160	7.4	ND	ND	ND	13	NA	NA	NA
	09/14/00	6,300	590	26	0.79	ND	1.7	17	NA	NA	NA
	12/12/00	320	210	6.6	ND	ND	ND	7.4	NA	NA	NA
	03/14/01	960	320	5.6	ND	ND	ND	ND	NA	NA	NA
	06/13/01	900	250	2.9	ND	ND	ND	10	NA	NA	NA
	08/29/01	1,400	270	5.3	ND	ND	ND	ND	NA	NA	NA
	12/12/01	4,100	280	14	ND	ND	ND	11	NA	NA	NA
	04/11/02	4,100	820	6.4	ND	ND	ND	NA	NA	NA	NA
	12/05/02	500	230	0.5	ND	ND	ND	5.6	NA	NA	NA
	04/22/09	2,100	210	<0.50	<0.50	<0.50	<1.0	6.8	<0.50	<0.50	<0.50
	02/08/10	10,000	140 (k)	<0.50	<0.50	<0.50	<0.50	4.9	<0.50	<0.50	<0.50
	07/16/10	2,000	210 (k)	<0.50	<0.50	<0.50	<0.50	5.7	<0.50	<0.50	<0.50
	02/04/11	2,200	260 (k)	<0.50	<0.50	<0.50	<0.50	6.2	<0.50	<0.50	<0.50
TB	02/08/10	NA	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	07/16/10	NA	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	02/03/11	NA	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
EB	02/08/10	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	07/16/10	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

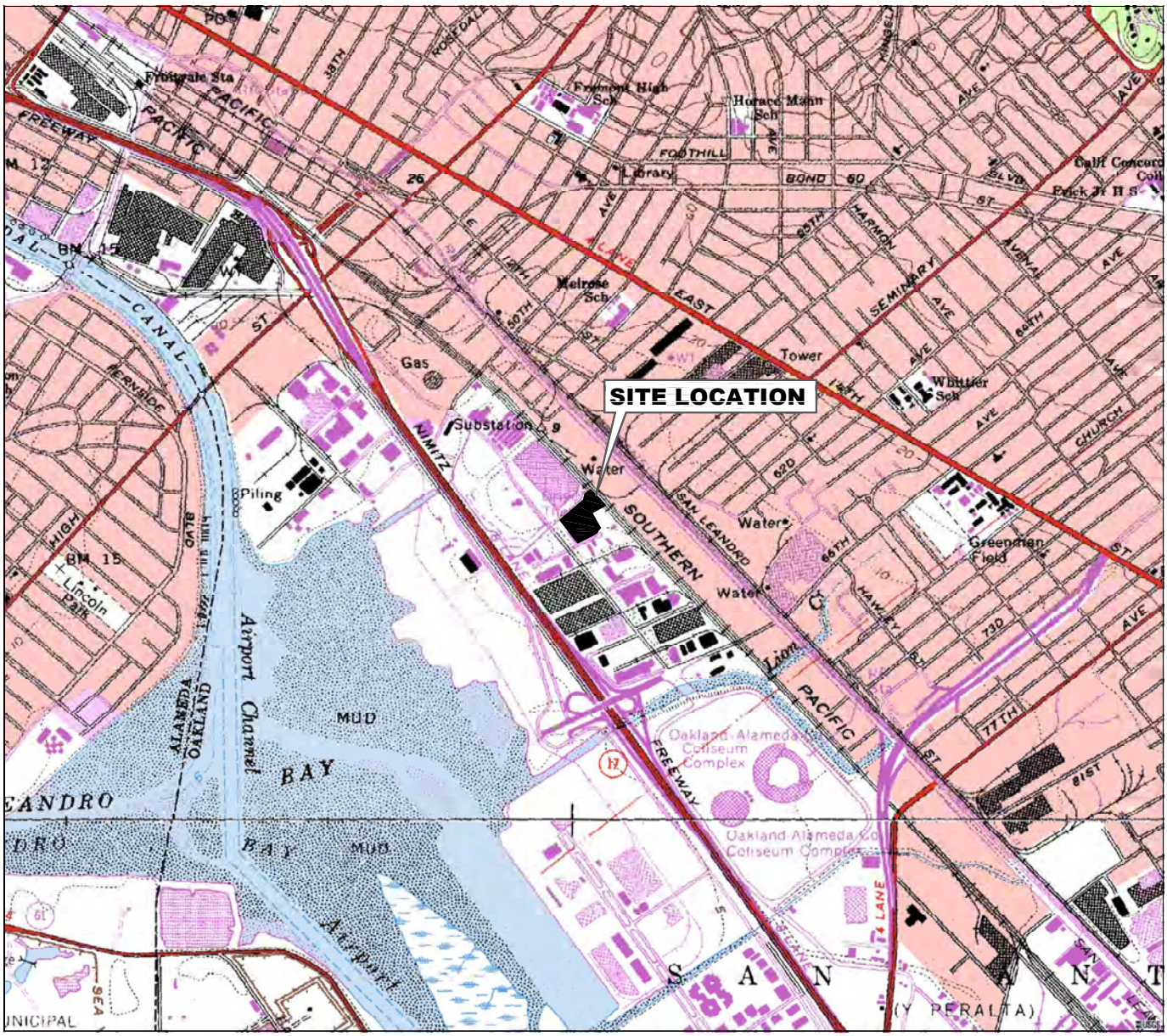
Notes:

mg/L - micrograms per liter
TPHd - Total Petroleum Hydrocarbons as diese
TPHg - Total Petroleum Hydrocarbons as gasol
MTBE - Methyl tert butyl ether
NS - Well not sampled
ND - Not detected at or above the laboratory detection limit
NA - Not analyzed
EB -equipment blank

(a) - Laboratory reports that chromatogram indicates gasoline and unidentified hydrocarbons >C8.
(b) - Laboratory reports that the laboratory control sample failed for this batch, as well as when it was initially analyzed on 6/3/97. All results should be considered as estimated values. No additional sample was available for re-extraction.
(c) - Laboratory reports reporting limits for diesel and gas/BTEX elevated due to high levels of target compound. Samples run at dilution.
(d) - Laboratory reports the peak pattern present in this sample represents an unknown mixture atypical of gasoline in the range of n-C09 to greater than n-C12. Quantitation is based on a gasoline reference in the range of n-C07 to n-C12 only.
(e) - Laboratory reports reporting limit(s) raised due to high level of analyte present in sample.
(f) - Laboratory reports the hydrocarbon pattern present in this sample represents an unknown mixture in the range of n-C09 to n-C36. Quantitation is based on a diesel reference between n-C10 and n-C24 only.
(g) - Laboratory reports that chromatogram indicates diesel and unidentified hydrocarbons >C20.
(h) - Analyzed by USEPA Method 8015, modified.
(i) - Analyzed by USEPA Method 8020.
(j) - Diesel range concentration reported. A nonstandard diesel pattern was observed in the chromatogram.
* - Hydrocarbon reported does not match the diesel standard.
(k) - Sample exhibits chromatographic pattern that does not resemble standard.
Ethylene dichloride reported as 1,2-Dichloroethane
Ethylene dibromide reported as 1,2-Dibromoethane

FIGURES

2011 Semi-Annual Monitoring and Sampling Report
Former Penske Truck Leasing Facility
725 Julie Ann Way, Oakland, California
Alameda County Site ID RO0000354
Stantec PN: 185702330 200.0002
May 13, 2011



1 1/2 0 1

SCALE IN MILE

1000 0 1000 2000 3000 4000 5000 6000 7000

SCALE IN FEET

Image courtesy of the U.S. Geological Survey and Microsoft TerraService OpenGIS Map Server

Stantec
57 Lafayette Circle, 2nd Floor
Lafayette California
PHONE: (925) 299-9300 FAX: (925) 299-9302

FOR:		SITE LOCATION MAP		FIGURE:
PENSKE 725 JULIE ANN WAY OAKLAND, CALIFORNIA				1
JOB NUMBER: 185702330.200.0002	DRAWN BY: RRR	CHECKED BY: EH	APPROVED BY: EH/GH/AM	DATE: 05/04/11

FILEPATH:C:\Documents and Settings\rroggasch\Desktop\Penske\GW-MONITORING-Semi-Oct_2010-Feb_April-2011-F1.dwg|rroggasch|May 04, 2011 at 12:12|Layout: SITE LOCATION MAP

No warranty is made by Stantec as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and or information.

REFERENCE:

UTILITIES BASED ON FIGURE PROVIDED BY NORCAL GEOPHYSICAL CONSULTANTS INC.
PLATE 1; DECEMBER 2008; BY G. RANDALL; JOB # 008-903.05

ALL SITE FEATURES AND WELL LOCATIONS, EXCEPT THE FORMER USTs, SURVEYED BY MID COAST ENGINEERS FEBRUARY AND APRIL 2011 JOB#10018X DATED APRIL 27, 2011;
TITLED "MONITORING WELL LOCATION MAP FOR PENSKE"
SITE COORDINATE SYSTEM: CA STATE PLANE; ZONE III; NAD 83 VERTICLE DATUM; NAVD 88

Stantec
57 Lafayette Circle, 2nd Floor
Lafayette, California, 94549
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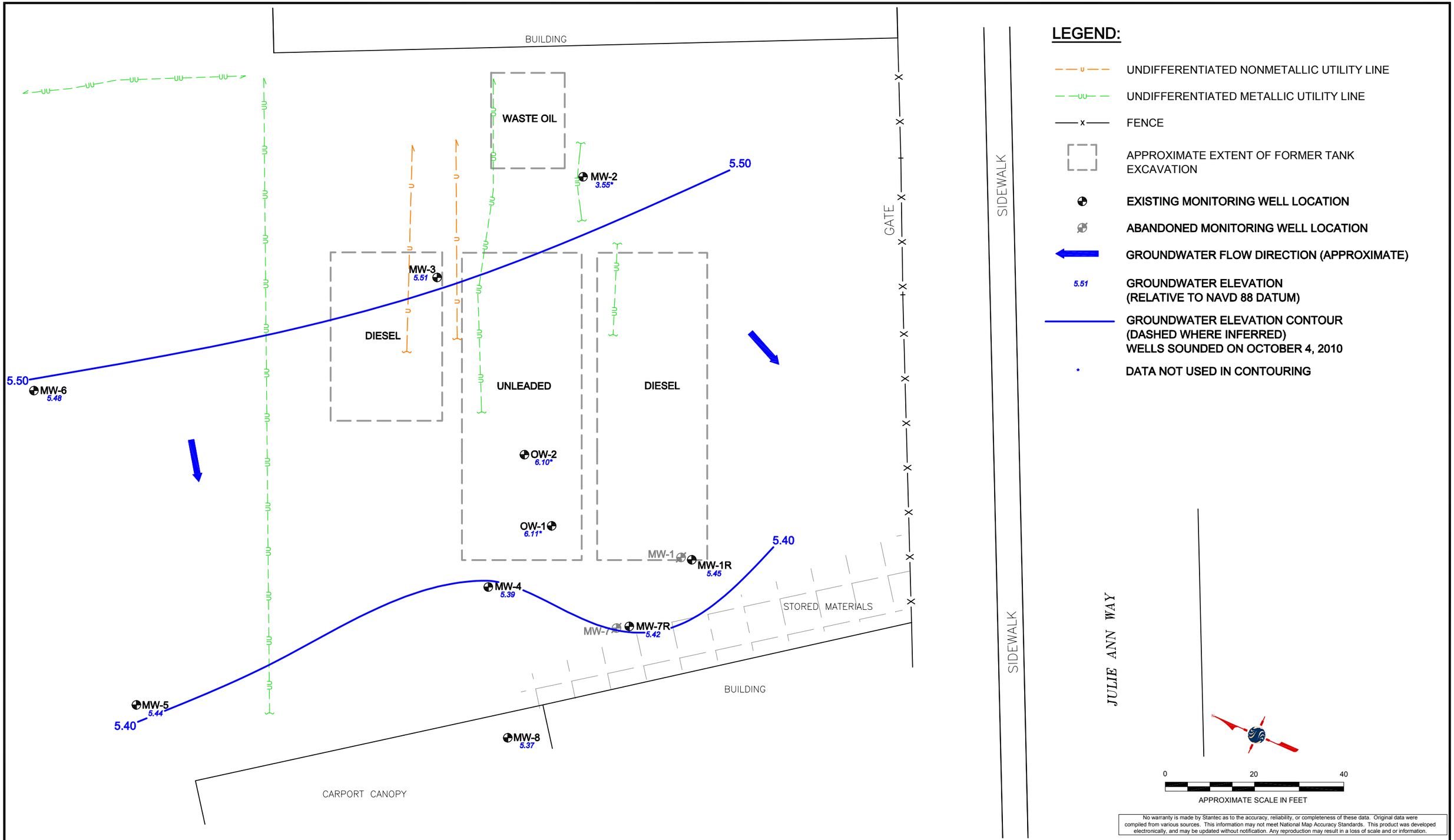
PREPARED FOR:				FIGURE:
PENSKE 725 JULIE ANN WAY OAKLAND, CALIFORNIA		SITE PLAN		2
JOB NUMBER: 185702330.200.0002	DRAWN BY: RRR/JBL	CHECKED BY: EH	APPROVED BY: EH	DATE: 05/04/11

FILEPATH:C:\-Temp_DWG_Files\AcPublish_6012\GW-MONITORING-Semi-Oct_2010-Feb_April-2011.dwg|rroggasch|May 09, 2011 at 14:06|Layout: FIG-2



LEGEND:

- UNDIFFERENTIATED NONMETALLIC UTILITY LINE
- UNDIFFERENTIATED METALLIC UTILITY LINE
- FENCE
- APPROXIMATE EXTENT OF FORMER TANK EXCAVATION
- EXISTING MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- GROUNDWATER FLOW DIRECTION (APPROXIMATE)
- 5.51 GROUNDWATER ELEVATION (RELATIVE TO NAVD 88 DATUM)
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) WELLS SOUNDED ON OCTOBER 4, 2010
- DATA NOT USED IN CONTOURING

REFERENCE:

UTILITIES BASED ON FIGURE PROVIDED BY NORCAL GEOPHYSICAL CONSULTANTS INC.
PLATE 1; DECEMBER 2008; BY G. RANDALL; JOB # 008-903.05

ALL SITE FEATURES AND WELL LOCATIONS, EXCEPT THE FORMER USTs, SURVEYED BY MID COAST ENGINEERS FEBRUARY AND APRIL 2011 JOB#10018X DATED APRIL 27, 2011; TITLED "MONITORING WELL LOCATION MAP FOR PENSKE"
SITE COORDINATE SYSTEM: CA STATE PLANE; ZONE III; NAD 83 VERTICLE DATUM; NAVD 88

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PREPARED FOR:
PENSKE
725 JULIE ANN WAY
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION SURFACE CONTOUR MAP OCTOBER 2010

FIGURE: 3

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702330.200.0002	RRR/JBL	EH	EH	05/04/11

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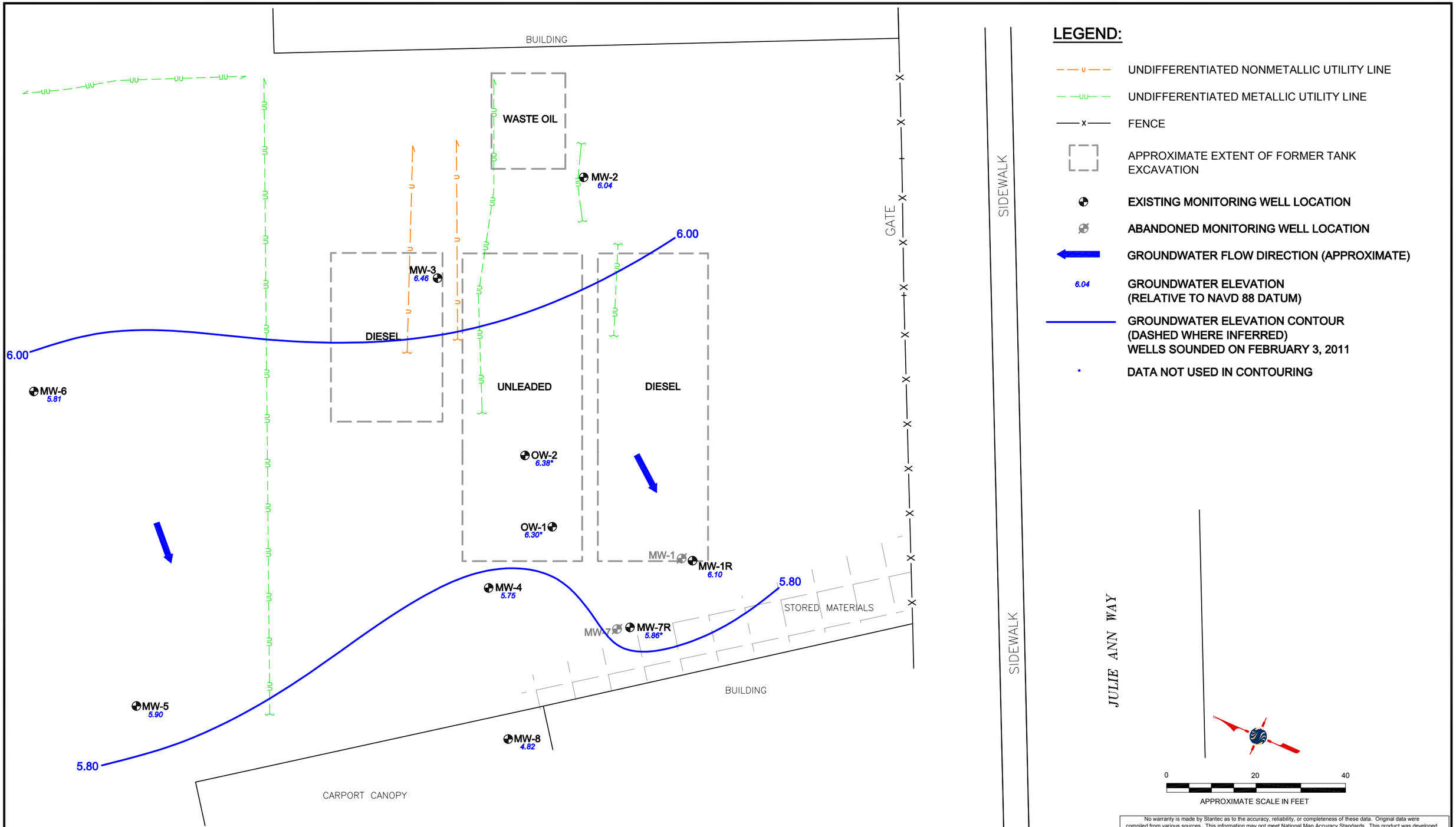

LEGEND:

- UNDIFFERENTIATED NONMETALLIC UTILITY LINE
- UNDIFFERENTIATED METALLIC UTILITY LINE
- FENCE
- APPROXIMATE EXTENT OF FORMER TANK EXCAVATION
- EXISTING MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- GROUNDWATER FLOW DIRECTION (APPROXIMATE)
- 6.04 GROUNDWATER ELEVATION (RELATIVE TO NAVD 88 DATUM)
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) WELLS SOUNDED ON FEBRUARY 3, 2011
- DATA NOT USED IN CONTOURING

0 20 40

APPROXIMATE SCALE IN FEET

REFERENCE:

UTILITIES BASED ON FIGURE PROVIDED BY NORCAL GEOPHYSICAL CONSULTANTS INC.
PLATE 1; DECEMBER 2008; BY G. RANDALL; JOB # 008-903.05

ALL SITE FEATURES AND WELL LOCATIONS, EXCEPT THE FORMER USTs, SURVEYED BY MID COAST ENGINEERS FEBRUARY AND APRIL 2011 JOB#10018X DATED APRIL 27, 2011; TITLED "MONITORING WELL LOCATION MAP FOR PENSKE"
SITE COORDINATE SYSTEM: CA STATE PLANE; ZONE III; NAD 83 VERTICLE DATUM; NAVD 88

Stantec
57 Lafayette Circle, 2nd Floor
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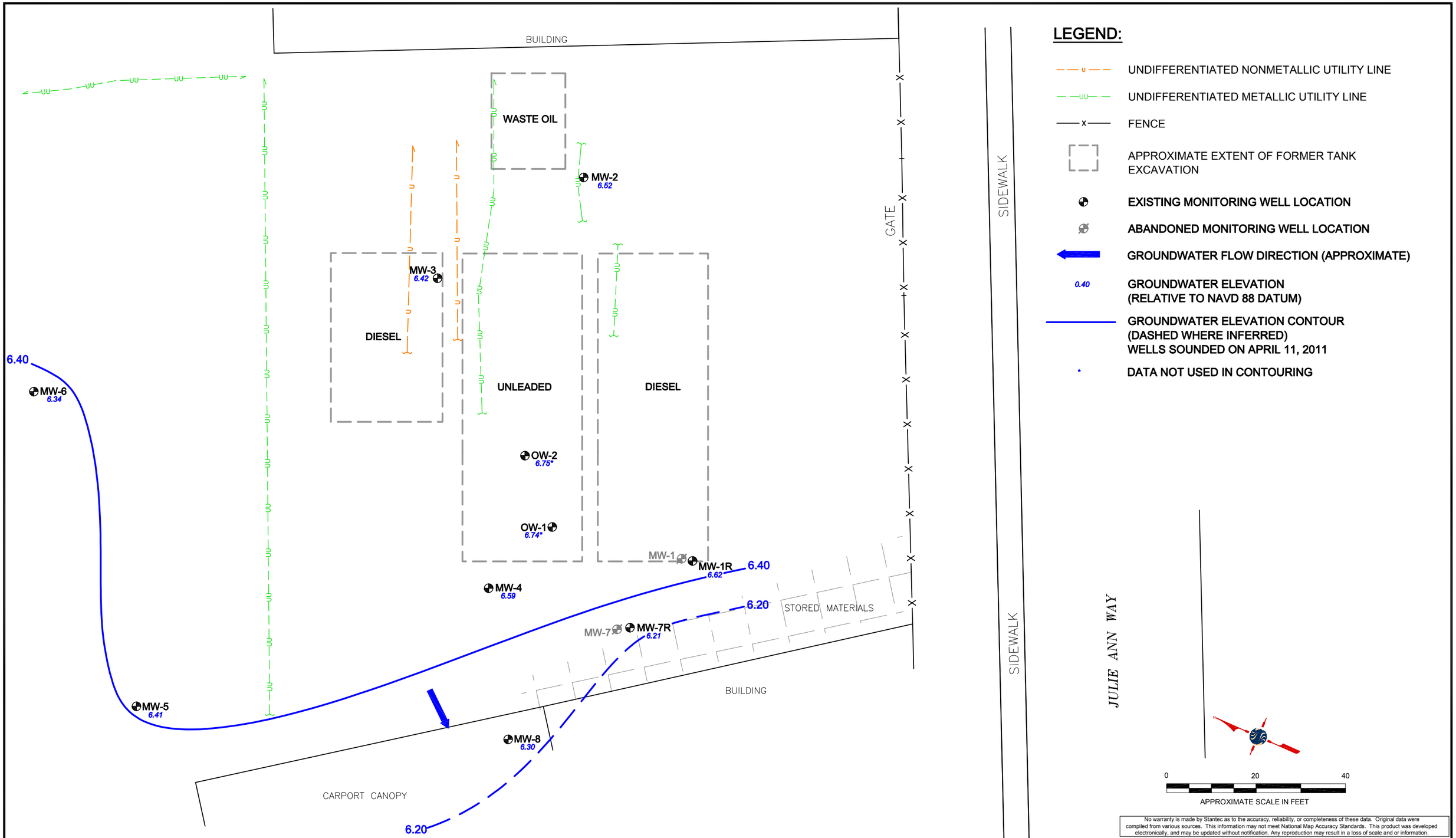
PREPARED FOR:
PENSKE
725 JULIE ANN WAY
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION SURFACE CONTOUR MAP FEBRUARY 2011

FIGURE: 4

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702330.200.0002	RRR/JBL	EH	EH	05/04/11

FILEPATH:C:\-Temp_DWG_Files\AcPublish_6012\GW-MONITORING-Semi-Oct_2010-Feb_April-2011.dwg|rroggasch|May 09, 2011 at 14:07|Layout: F4-Feb-GW



LEGEND:

- UNDIFFERENTIATED NONMETALLIC UTILITY LINE
- UNDIFFERENTIATED METALLIC UTILITY LINE
- FENCE
- APPROXIMATE EXTENT OF FORMER TANK EXCAVATION
- EXISTING MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- GROUNDWATER FLOW DIRECTION (APPROXIMATE)
- 0.40 GROUNDWATER ELEVATION (RELATIVE TO NAVD 88 DATUM)
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED) WELLS SOUNDED ON APRIL 11, 2011
- DATA NOT USED IN CONTOURING

REFERENCE:

UTILITIES BASED ON FIGURE PROVIDED BY NORCAL GEOPHYSICAL CONSULTANTS INC.
PLATE 1; DECEMBER 2008; BY G. RANDALL; JOB # 008-903.05

ALL SITE FEATURES AND WELL LOCATIONS, EXCEPT THE FORMER USTs, SURVEYED BY MID COAST ENGINEERS FEBRUARY AND APRIL 2011 JOB#10018X DATED APRIL 27, 2011;
TITLED "MONITORING WELL LOCATION MAP FOR PENSKE"
SITE COORDINATE SYSTEM: CA STATE PLANE; ZONE III; NAD 83 VERTICLE DATUM; NAVD 88

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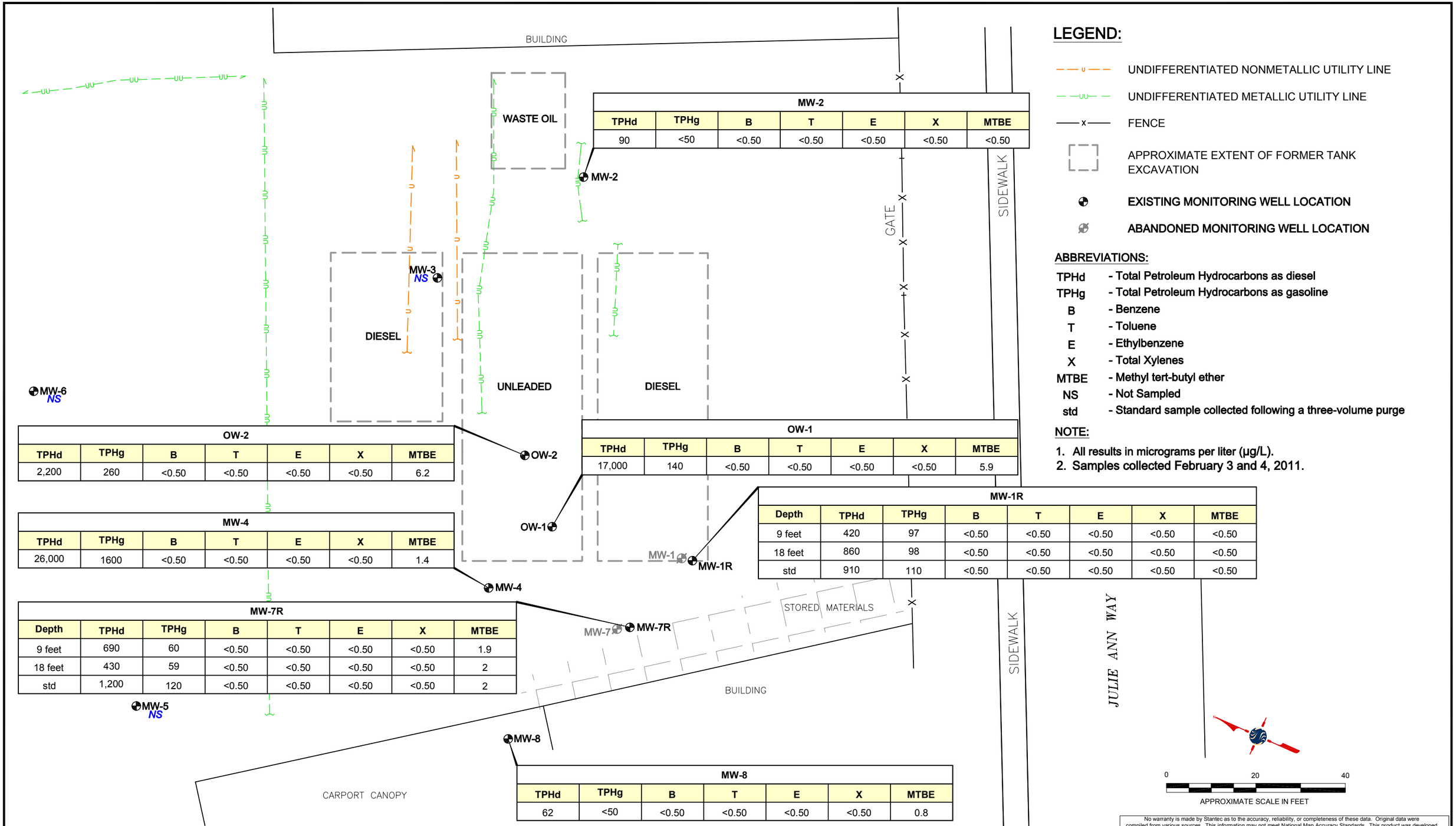
PREPARED FOR:
PENSKE
725 JULIE ANN WAY
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION SURFACE CONTOUR MAP APRIL 2011

FIGURE: 5

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702330.200.0002	RRR/JBL	EH	EH	05/04/11

FILEPATH:C:\-Temp_DWG_Files\AcPublish_6012\GW-MONITORING-Semi-Oct_2010-Feb_April-2011.dwg|rroggasch|May 09, 2011 at 14:07|Layout: F5-April-GW



MW-2

TPHd	TPHg	B	T	E	X	MTBE
90	<50	<0.50	<0.50	<0.50	<0.50	<0.50

OW-2

TPHd	TPHg	B	T	E	X	MTBE
2,200	260	<0.50	<0.50	<0.50	<0.50	6.2

OW-1

TPHd	TPHg	B	T	E	X	MTBE
17,000	140	<0.50	<0.50	<0.50	<0.50	5.9

MW-1R

Depth	TPHd	TPHg	B	T	E	X	MTBE
9 feet	420	97	<0.50	<0.50	<0.50	<0.50	<0.50
18 feet	860	98	<0.50	<0.50	<0.50	<0.50	<0.50
std	910	110	<0.50	<0.50	<0.50	<0.50	<0.50

MW-4

TPHd	TPHg	B	T	E	X	MTBE
26,000	1600	<0.50	<0.50	<0.50	<0.50	1.4

MW-7R

Depth	TPHd	TPHg	B	T	E	X	MTBE
9 feet	690	60	<0.50	<0.50	<0.50	<0.50	1.9
18 feet	430	59	<0.50	<0.50	<0.50	<0.50	2
std	1,200	120	<0.50	<0.50	<0.50	<0.50	2

MW-8

TPHd	TPHg	B	T	E	X	MTBE
62	<50	<0.50	<0.50	<0.50	<0.50	0.8

LEGEND:

- UNDIFFERENTIATED NONMETALLIC UTILITY LINE
- UNDIFFERENTIATED METALLIC UTILITY LINE
- FENCE
- APPROXIMATE EXTENT OF FORMER TANK EXCAVATION
- EXISTING MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION

ABBREVIATIONS:

TPHd	- Total Petroleum Hydrocarbons as diesel
TPHg	- Total Petroleum Hydrocarbons as gasoline
B	- Benzene
T	- Toluene
E	- Ethylbenzene
X	- Total Xylenes
MTBE	- Methyl tert-butyl ether
NS	- Not Sampled
std	- Standard sample collected following a three-volume purge

NOTE:

1. All results in micrograms per liter (µg/L).
2. Samples collected February 3 and 4, 2011.

0 20 40

APPROXIMATE SCALE IN FEET

REFERENCE:

UTILITIES BASED ON FIGURE PROVIDED BY NORCAL GEOPHYSICAL CONSULTANTS INC.
PLATE 1; DECEMBER 2008; BY G. RANDALL; JOB # 008-903.05

ALL SITE FEATURES AND WELL LOCATIONS, EXCEPT THE FORMER USTs, SURVEYED BY MID COAST ENGINEERS FEBRUARY AND APRIL 2011 JOB#10018X DATED APRIL 27, 2011;
TITLED "MONITORING WELL LOCATION MAP FOR PENSKE"
SITE COORDINATE SYSTEM: CA STATE PLANE; ZONE III; NAD 83 VERTICLE DATUM; NAVD 88

Stantec
57 Lafayette Circle, 2nd Floor
Lafayette, California, 94549
PHONE: (925) 299-9300 FAX: (925) 299-9302

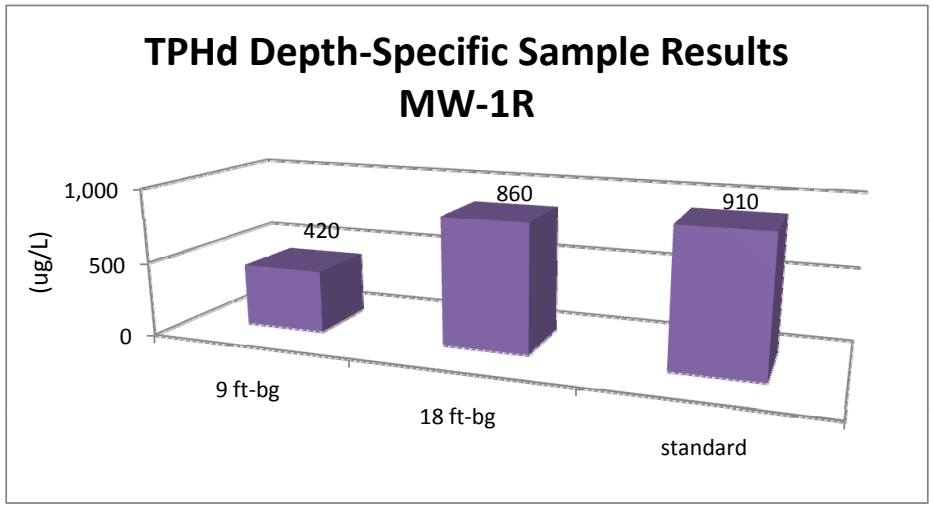
PREPARED FOR:
PENSKE
725 JULIE ANN WAY
OAKLAND, CALIFORNIA

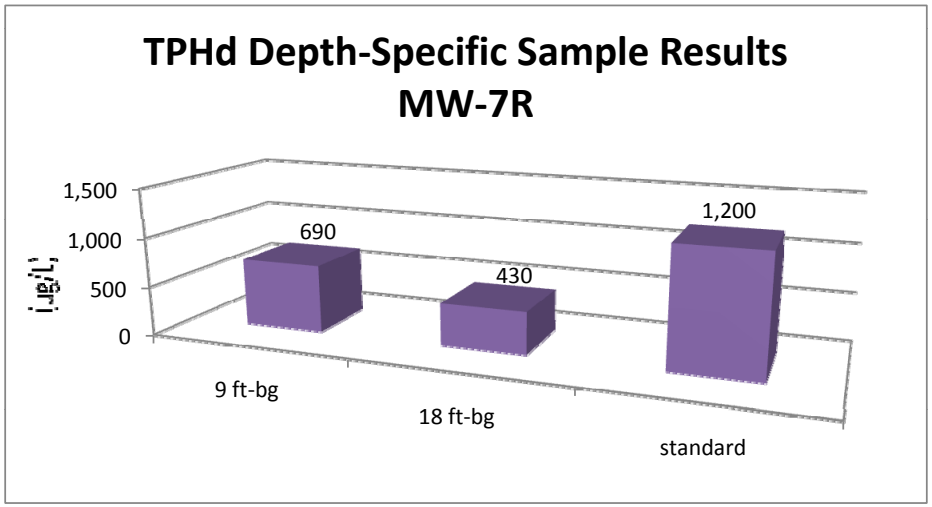
FUEL HYDROCARBON CONSTITUENTS IN GROUNDWATER FEBRUARY 2011

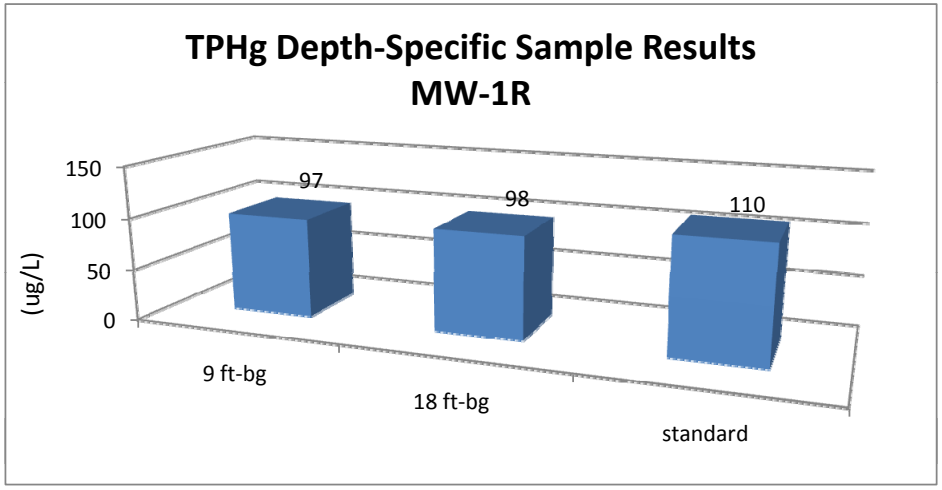
FIGURE: 6

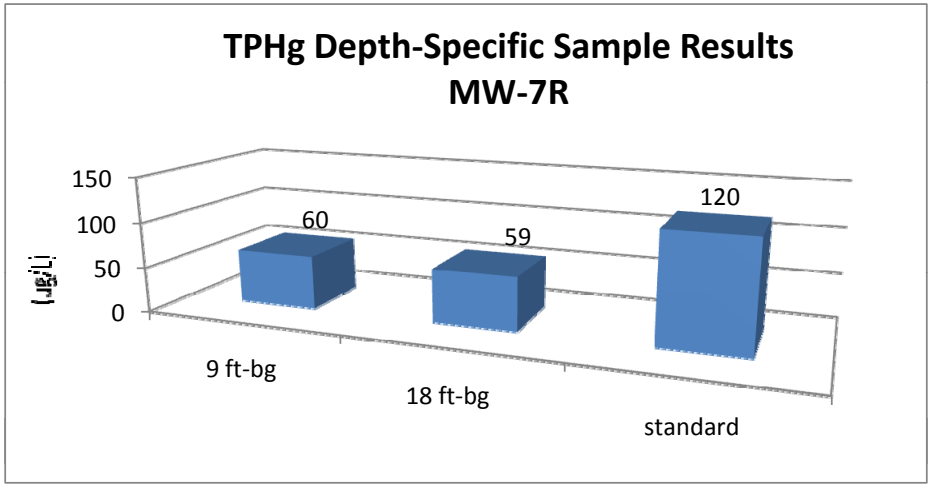
JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702330.200.0002	JBL/RRR	EH	EH	05/04/11

FIGURE 7
TPHd and TPHg Results for Depth-Specific and Standard Groundwater Samples
725 Julie Ann Way, Oakland, California









Notes:

9 ft-bg: sample collected at a depth of 9 feet below ground using low flow purge and sample method

18 ft-bg: sample collected at a depth of 18 feet below ground using low flow purge and sample method

standard: sampled collected using standard 3 volume purge and dedicated bailer sample method.

ug/L: micrograms per liter

FIGURE 8
TPHd versus Time
725 Julie Ann Way, Oakland, CA

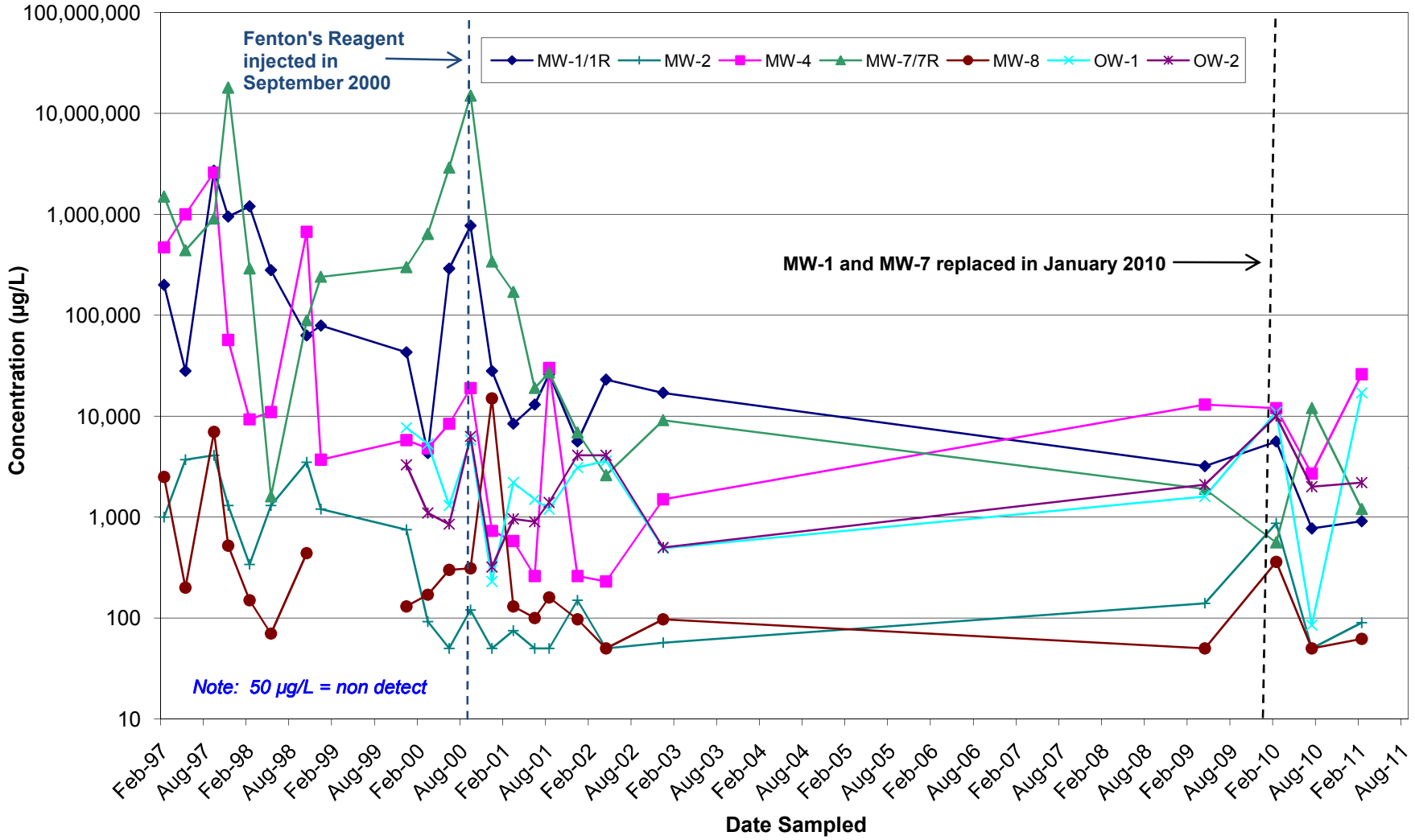


FIGURE 9
TPHg versus Time
725 Julie Ann Way, Oakland, CA

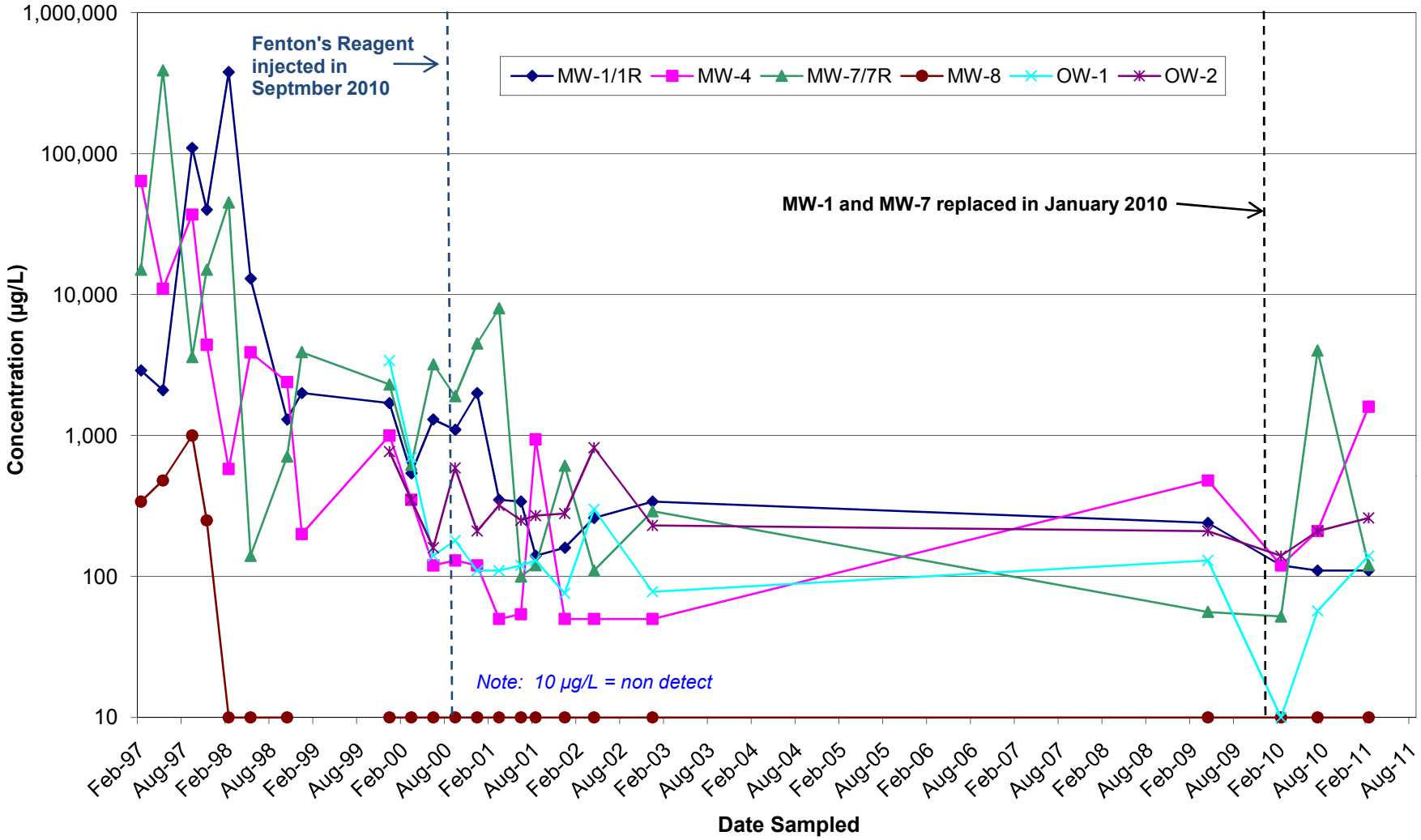


FIGURE 10
Benzene versus Time
725 Julie Ann Way, Oakland, CA

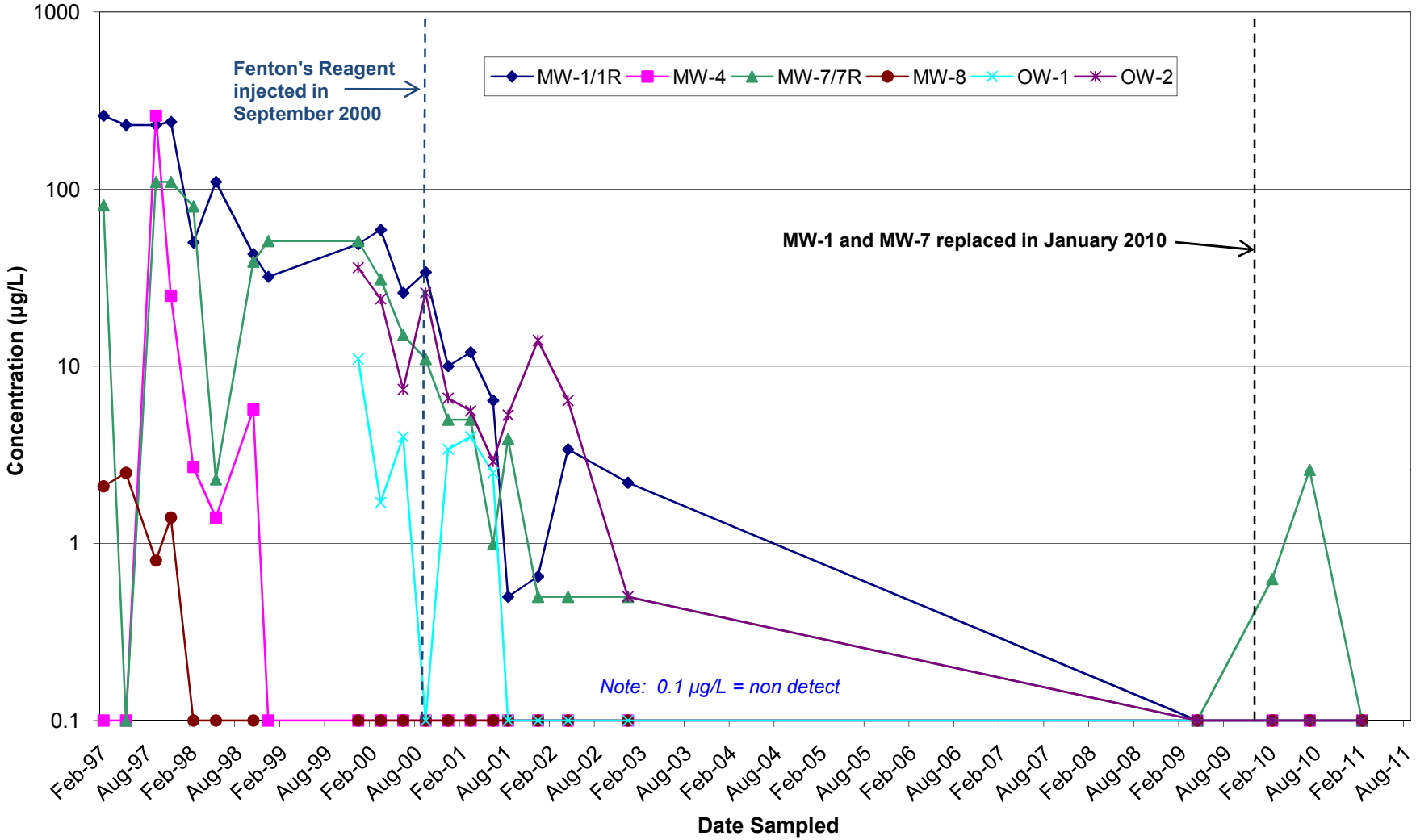
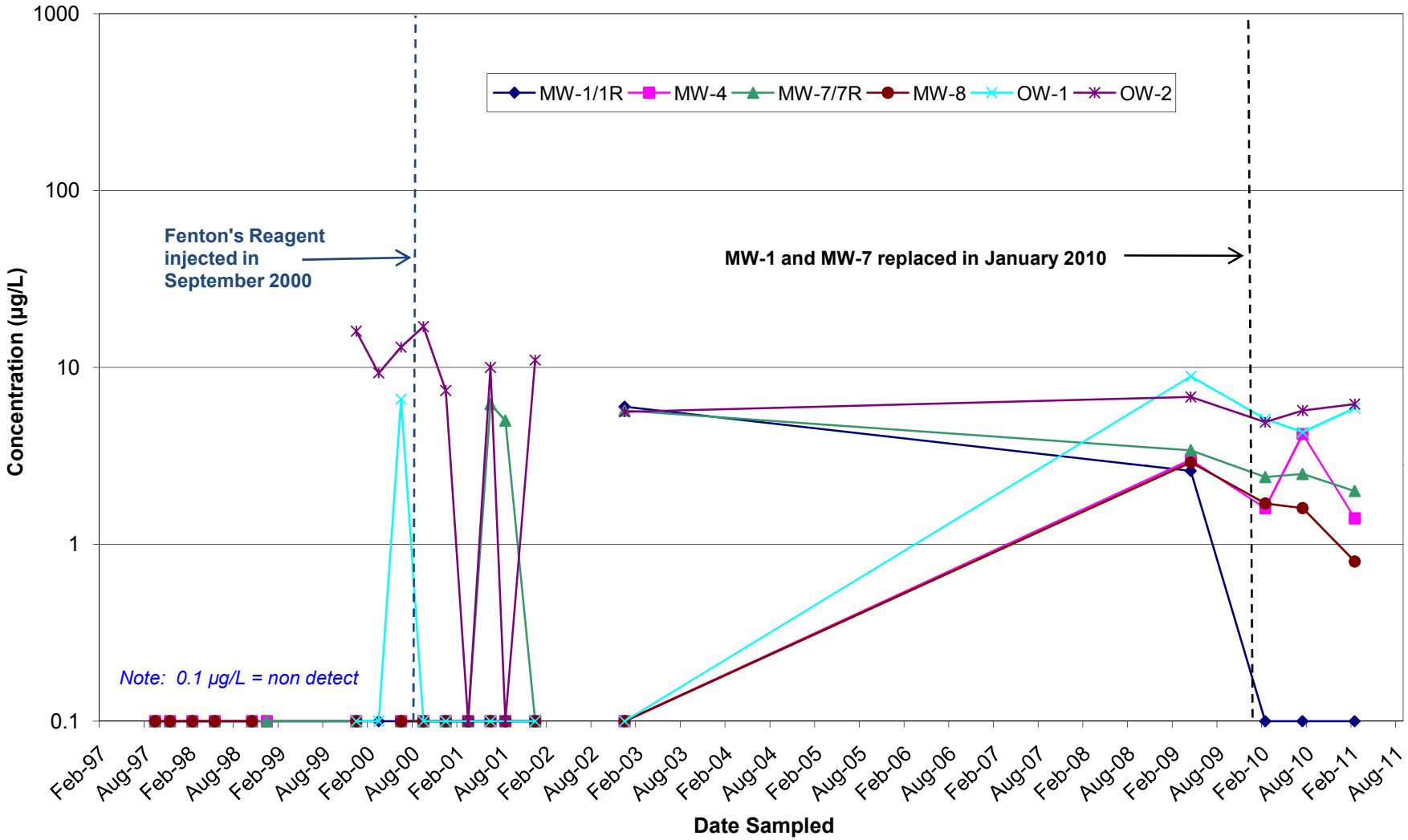


FIGURE 11
MTBE versus Time
725 Julie Ann Way, Oakland, CA



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APPENDIX A
Groundwater Sample Collection Logs

2011 Semi-Annual Monitoring and Sampling Report
Former Penske Truck Leasing Facility
725 Julie Ann Way, Oakland, California
Alameda County Site ID RO0000354
Stantec PN: 185702330 200.0002
May 13, 2011

Stantec

FIELD DATA SHEETS
Fourth Quarter 2010

WELLHEAD INSPECTION CHECKLIST

Client STANTEC Date 10/4/10

Site Address 725 JULIE ANN WAY, OAKLAND, CA

Job Number 101004-WW1 Technician WW

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-1R	X									
MW-2				(1/2")	METAL PLATE LID					
MW-3				(1/4")	METAL PLATE LID					
MW-4				2/2	SCREWS MISSING					
MW-5				(1/2")	THICK METAL PLATE LID					
MW-6				2/2	BOLTS MISSING (3/4")					
MW-7R	X									
MW-8				2/2	TABS STRIPPED (3/4")					
OW-1				2/2	TABS STRIPPED / 1/2 BOLTS MISSING (3/4")					
OW-2				2/2	TABS STRIPPED (3/4")					

NOTES:

WELL GAUGING DATA

Project # 101004-WW1 Date 10/4/10 Client STANTEC

Site 725 JULIE ANN WAY, OAKLAND, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1R	1419	2	ODOR	5.56	0.01		5.57	19.54		
MW-2	1433	4	ODOR	8.31	0.01		8.32	29.14		
MW-3	1430	4					6.28	33.35		
MW-4	1347	4					5.49	33.13		
MW-5	1350	4					4.97	31.28		
MW-6	1356	4					5.57	24.47		
MW-7R	1412	~~4~~ 2					5.42	19.35		
MW-8	1340	4	ODOR				5.38	25.92		
OW-1	1406	4					4.64	14.41		
OW-2	1402	4					4.93	13.94	↓	

Stantec

FIELD DATA SHEETS
First Quarter 2011

SPH or Purge Water Drum Log

Client: STANTEC

Site Address: 725 JULIE ANN WAY, OAKLAND, CA

STATUS OF DRUM(S) UPON ARRIVAL						
Date	2/3/11					
Number of drum(s) empty:						
Number of drum(s) 1/4 full:						
Number of drum(s) 1/2 full:	1					
Number of drum(s) 3/4 full:						
Number of drum(s) full:	2					
Total drum(s) on site:	3					
Are the drum(s) properly labeled?	yes					
Drum ID & Contents:	purge H2O					
If any drum(s) are partially or totally filled, what is the first use date:	7/16/10					

- If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purgewater or DI Water.

-If drum contains SPH, the drum MUST be steel AND labeled with the appropriate label.

-All BTS drums MUST be labeled appropriately.

STATUS OF DRUM(S) UPON DEPARTURE						
Date	2/4/11					
Number of drums empty:						
Number of drum(s) 1/4 full:						
Number of drum(s) 1/2 full:						
Number of drum(s) 3/4 full:	1					
Number of drum(s) full:	5					
Total drum(s) on site:	6					
Are the drum(s) properly labeled?	yes					
Drum ID & Contents:	purge H2O					

LOCATION OF DRUM(S)
Describe location of drum(s): by MW-3R (wall) MW-1R

FINAL STATUS						
Number of new drum(s) left on site this event	3					
Date of inspection:	2/4/11					
Drum(s) labelled properly:	Yes					
Logged by BTS Field Tech:	WW					
Office reviewed by:	W					

WELL GAUGING DATA

Project # 110203-WW1 Date 2/3/11 Client STANTEC

Site 725 JULIE ANN WY, OAKLAND, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1R	0913	2	ODOR	—			4.92	19.69		
MW-2	0931	4		—			5.83	29.34		
MW-3	0905	4	—	—			5.33	33.61		
MW-4	0938	4	ODOR	—			5.13	33.17		
MW-5	0859	4	—	—			4.51	31.36		
MW-6	0847	4	ODOR	—			5.24	24.61		
MW-7R	0927	2		—			4.98	19.53		
MW-8	0936	4		—			5.93	26.02		
OW-1	0946	4	ODOR	—			4.45	14.35		
OW-2	0951	4		—			4.65	14.22		

WELLHEAD INSPECTION CHECKLIST

Date 2/3/11 Client STANTEC

Site Address 725 3D 4TH AN N WY, OAKLAND, CA

Job Number 110203-WW1 Technician MW

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-1R	X							
MW-2							X	
MW-3							X	
MW-4							X	
MW-5							X	
MW-6							X	
MW-7R	X							
MW-8							X	
OW-1							X	
OW-2	X							

NOTES: MW-6: 2/2 BOLTS MISSING (3/4"). MW-5: STEEL PLATE LID (12" DIAMETER). MW-3: (12") STEEL PLATE LID. MW-2: (12") STEEL PLATE LID. MW-8: 1/2 TABS STRIPPED (3/4"). MW-4: 12" STEEL PLATE LID, OW-1: 1/2 BOLTS MISSING (3/4"). MW-4: CRACKED APRON.

Groundwater Sampling Data Sheet
Former Penske – 725 Julie Ann Way, Oakland, California

Project #:185702145. 200. 0003	Project Name: Penske Julie Ann Way		Date: 2/3/11
Site Location: Oakland	Sampler(s): WW		
Well ID: MW-1R	Depth to Water (DTW) (ft): 4.92	Sample DTW (ft): 4.96	
Screen Interval (ft):	Depth to Bottom (DTB) (ft): 19.69	Measurements Referenced to: TOC	
Tube/Pump Depth (ft): 9	Well Diameter (inch): 2	OVM (ppm) =	

CALCULATIONS:

Length of the water column: 19.69 ft (DTB) - 4.92 ft (DTW) = 14.77 ft (Water Col)

80% of the water level: 4.92 ft (DTW) + (14.77 ft (Water Col) X 0.2) = 7.87 ft (Recharge water level)

Estimated Purge Volume (EPV): _____ ft (Water col) X _____ (gal/lin. ft.) X 3 (Casing Volumes) = _____ Gallons

(X) Low-Flow/Micro Purging
( ) Purge at least 3 well volumes
( ) No purge

Volume of Schedule 40 PVC Pipe

Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
( ) Bladder Pump
( ) Disposable Bailer
(X) Electric Submergible Pump
( ) Peristaltic Pump
Begin Purge at 1051

Sampling Equipment: new tubing
( ) Bladder Pump
( ) Pump Discharge
( ) Disposable Bailer
( ) Peristaltic Pump & Dedicated Tubing

Type of Water Quality Kit Used:
(X) YSI 556
( ) YSI 6000
( ) Horriba
( ) Hanna

Time (24 hrs)	Volume (G / L)	Temp. (C / °F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color	turb.	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)				(± 10%)	(± 20%)
1054	0.3	15.51	4.95	2221	6.82	brown	239	N	1.78	-147.7
1057	0.6	15.34	4.95	2219	6.85	yellow	88	N	2.03	-179.5
1100	0.9	15.14	4.96	2204	6.85	yellow	70	N	1.68	-181.7
1103	1.2	15.00	4.96	2227	6.83	yellow	53	N	1.52	-183.8
1106	1.5	14.81	4.96	2215	6.81	yellow	18	N	1.48	-180.7
1109	1.8	14.83	4.96	2211	6.79	yellow	7	N	1.49	-181.4
1112	2.1	14.81	4.96	2208	6.77	yellow	9	N	1.58	-183.3
1115	2.4	14.80	4.96	2204	6.75	yellow	8	N	1.59	-183.9

Liters / Gallons Purged: 1.2 | Pump Rate in L or G /min: 0.1

Sampling Time: 1120 | Duplicate Sample ID: | Sample Time:

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE EDC, EDB	HCl	3 X 40 mL VOAs
(X) TPH-d & ~~TPH-mo~~	HCL	1 x 1 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
~~(X) TOC~~	~~H_2SO_4~~	~~3 X 40 mL Amber VOAs~~
~~(X) Methane~~	~~HCL~~	~~3 X 40 mL VOAs~~
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
~~(X) VOCs~~	~~HCL~~	~~3 X 40 mL VOAs~~
~~(X) Dehalococcoides~~	~~None~~	~~1 x 1 L Poly~~

Notes: ANALYSIS NAPHTHALENE MW-1R 9ft

TB @ 0820

Groundwater Sampling Data Sheet
Former Penske – 725 Julie Ann Way, Oakland, California

Project #:185702145. 200. 0003	Project Name: Penske Julie Ann Way	Date: 2 / 3 / 11
Site Location: Oakland	Sampler(s): WW	
Well ID: MW-1R	Depth to Water (DTW) (ft): 4.92	Sample DTW (ft): 4.96
Screen Interval (ft):	Depth to Bottom (DTB) (ft): 19.69	Measurements Referenced to: TOC
Tube/Pump Depth (ft): 18	Well Diameter (inch): 2	OVM (ppm) =

CALCULATIONS:

Length of the water column: 19.69 ft (DTB) - 4.92 ft (DTW) = 14.77 ft (Water Col)

80% of the water level: 4.92 ft (DTW) + (14.77 ft (Water Col) X 0.2) = 7.87 ft (Recharge water level)

Estimated Purge Volume (EPV): = _____ ft (Water col) X _____ (gal/lin. ft.) X 3 (Casing Volumes) = _____ Gallons

(X) Low-Flow/Micro Purging
( ) Purge at least 3 well volumes
( ) No purge

Volume of Schedule 40 PVC Pipe

Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
( ) Bladder Pump
( ) Disposable Bailer
(X) Electric Submergible Pump
( ) Peristaltic Pump

Sampling Equipment: new tubing
( ) Bladder Pump
( ) Pump Discharge
( ) Disposable Bailer
( ) Peristaltic Pump & Dedicated Tubing

Type of Water Quality Kit Used:
(X) YSI 556
( ) YSI 6000
( ) Horriba
( ) Hanna

Begin Purge at 1124

Time (24 hrs)	Volume (G / (L))	Temp. (C) °F	DTW	Specific Conductivity (µS/cm)	pH (units)	Color (turb)		Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)				(± 10%)	(± 20%)
1127	0.3	16.66	4.96	2643	6.99	brown	27	N	0.89	-198.3
1130	0.6	16.56	4.96	2643	6.99	clear	13	N	0.87	-200.0
1133	0.9	16.57	4.96	2644	6.98	clear	17	N	0.97	-202.4
1136	1.2	16.52	4.97	2644	6.98	clear	12	N	1.01	-202.7
1139	1.5	16.52	4.97	2643	6.98	clear	11	N	1.01	-202.9
1142	1.8	16.53	4.96	2643	6.99	clear	9	N	0.98	-204.3
1145	2.1	16.53	4.96	2643	6.99	clear	9	N	0.96	-204.9
1148	2.4	16.52	4.96	2643	6.99	clear	8	N	0.96	-205.4

Liters / Gallons Purged: 1.2 | **Pump Rate in L or G /min:** 0.1

Sampling Time: 1155 | **Duplicate Sample ID:** | **Sample Time:**

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE EDC, EDB	HCl	6 X 40 mL VOAs
(X) TPH-d & ~~TPH-mo~~	HCL	1 x 1 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
~~(X) TOC~~	H_2SO_4	3 X 40 mL Amber VOAs
~~(X) Methane~~	HCL	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
~~(X) VOCs~~	HCL	3 X 40 mL VOAs
~~(X) Dehalococcoides~~	None	1 x 1 L Poly

Notes: ANALYSIS : NAPHTHALENE

~~MW-1~~ MW-1R : 18 ft

Groundwater Sampling Data Sheet
Former Penske – 725 Julie Ann Way, Oakland, California

Project #:185702145. 200. 0003	Project Name: Penske Julie Ann Way		Date: 2/3/11
Site Location: Oakland	Sampler(s): MW		
Well ID: MW-1R	Depth to Water (DTW) (ft): 4.92	Sample DTW (ft): 5.40	
Screen Interval (ft):	Depth to Bottom (DTB) (ft): 19.69	Measurements Referenced to: TOC	
Tube/Pump Depth (ft): 19	Well Diameter (inch): 2	OVM (ppm) =	

CALCULATIONS:

Length of the water column: 19.69 (DTB) ft - 4.92 (DTW) ft = 14.77 (Water Col) ft

80% of the water level: 4.92 (DTW) ft + (14.77 (Water Col) ft X 0.2) = 7.87 (Recharge water level) ft

Estimated Purge Volume (EPV): = 14.77 (Water col) ft X 0.17 (gal/lin. ft.) X 3 (Casing Volumes) = 7.53 Gallons

( ) Low-Flow/Micro Purging
(X) Purge at least 3 well volumes
( ) No purge

Volume of Schedule 40 PVC Pipe

Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
( ) Bladder Pump
( ) Disposable Bailer
(X) Electric Submergible Pump
( ) Peristaltic Pump
Begin Purge at 1437

Sampling Equipment:
( ) Bladder Pump
( ) Pump Discharge
(X) Disposable Bailer
( ) Peristaltic Pump & Dedicated Tubing

Type of Water Quality Kit Used:
( ) YSI 556
( ) YSI 6000
( ) Horriba
( ) Hanna
10 MyRON L

Time (24 hrs)	Volume (G/ L)	Temp. (C/ F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color	turb	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)				(± 10%)	(± 20%)
1439	2.3	16.16	5.12	2373	7.27	gray	>1000	N	pre: 1.20	pre: -224.6
1441	4.6	16.15	5.69	2525	6.92	"	924	N		
1443	6.9	16.20	5.40	2515	6.92	"	846	N		
									post 0.59	post: -234

Liters / Gallons Purged: 6.9
Pump Rate in L or G /min: 1.2
Sampling Time: 1450
Duplicate Sample ID:
Sample Time:

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE EDB, EDC	HCl	3 X 40 mL VOAs
(X) TPH-d & TPH-mo	HCL	1 x 1 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
~~(X) TOC~~	H_2SO_4	3 X 40 mL Amber VOAs
~~(X) Methane~~	HCL	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
~~(X) VOCs~~	HCL	3 X 40 mL VOAs
(X) Dehalococcoides	None	1 x 1 L Poly

Notes: ANALYTE: NAPTHALENE

Groundwater Sampling Data Shee
Former Penske – 725 Julie Ann Way, Oakland, California

Project #:185702145. 200. 0003	Project Name: Penske Julie Ann Way	Date: 2/4/11
Site Location: Oakland	Sampler(s): MW	
Well ID: MW-2	Depth to Water (DTW) (ft): 5.83	Sample DTW (ft): 5.93
Screen Interval (ft):	Depth to Bottom (DTB) (ft): 29.34	Measurements Referenced to: TOC
Tube/Pump Depth (ft): 29	Well Diameter (inch): 4	OVM (ppm) =

CALCULATIONS:

Length of the water column: 29.34 ft (DTB) - 5.83 ft (DTW) = 23.51 ft (Water Col)

80% of the water level: 5.83 ft (DTW) + 23.51 ft (Water Col) X 0.2) = 10.53 ft (Recharge water level)

Estimated Purge Volume (EPV): = 23.51 ft (Water col) X 0.66 (gal/lin. ft.) X 3 (Casing Volumes) = 46.55 Gallons

( ) Low-Flow/Micro Purging
(X) Purge at least 3 well volumes
( ) No purge

Volume of Schedule 40 PVC Pipe

Well Diameter.	I.D	gal/linear ft.
~~1.25~~	~~1.38~~	~~0.08~~
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
( ) Bladder Pump
( ) Disposable Bailer
(X) Electric Submergible Pump
( ) Peristaltic Pump

Sampling Equipment:
( ) Bladder Pump
( ) Pump Discharge
(X) Disposable Bailer
( ) Peristaltic Pump & Dedicated Tubing

Type of Water Quality Kit Used:
~~(X) YSI 556~~
( ) YSI 6000
( ) Horriba
( ) Hanna

Begin Purge at 0809 — Luminon L

Time (24 hrs)	Volume (G / L)	Temp. (C / °F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color (Turbidity)	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)			(± 10%)	(± 20%)
0818	15.5	17.3	6.26	4138	7.34	clear (57)	NO	pre: 2.73	pre: 196
0824	31	16.9	6.21	4682	7.24	clear (83)	NO		
0831	46.55	17.6	6.26	4758	7.36	clear (275)	NO		
								post: 1.03	post: 174

Liters (Gallons) Purged: 46.55 — Pump Rate in L or G /min: 2.6

Sampling Time: 0840 — Duplicate Sample ID: — Sample Time:

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE, EDB, EDC	HCl	3 X 40 mL VOAs
(X) TPH-d & ~~TPH-mo~~ (2)	HCL	1 x 1 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
~~(X) TOC~~	H_2SO_4	3 X 40 mL Amber VOAs
(X) Methane	HCL	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
~~(X) VOCs~~	HCL	3 X 40 mL VOAs
~~(X) Dehalococcoides~~	None	1 x 1 L Poly

Notes: ANALYZE: NAPTHALENE

Groundwater Sampling Data Shee
Former Penske – 725 Julie Ann Way, Oakland, California

Project #:185702145. 200. 0003	Project Name: Penske Julie Ann Way		Date: 2/4/11
Site Location: Oakland	Sampler(s): WW		
Well ID: MW-4	Depth to Water (DTW) (ft): 5.13	Sample DTW (ft): 5.30	
Screen Interval (ft):	Depth to Bottom (DTB) (ft): 33.17	Measurements Referenced to: TOC	
Tube/Pump Depth (ft): 33	Well Diameter (inch): 4	OVM (ppm) =	

CALCULATIONS:

Length of the water column: 33.17 ft (DTB) - 5.13 ft (DTW) = 28.04 ft (Water Col)

80% of the water level: 5.13 ft (DTW) + (28.04 ft (Water Col) X 0.2) = 10.73 ft (Recharge water level)

Estimated Purge Volume (EPV): = 28.04 ft (Water col) X 0.66 (gal/lin. ft.) X 3 (Casing Volumes) = 55.51 Gallons

( ) Low-Flow/Micro Purging
(X) Purge at least 3 well volumes
( ) No purge

Volume of Schedule 40 PVC Pipe		
Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
( ) Bladder Pump
~~(X) Disposable Bailer~~
(X) Electric Submergible Pump
( ) Peristaltic Pump

Sampling Equipment:
( ) Bladder Pump
( ) Pump Discharge
(X) Disposable Bailer
( ) Peristaltic Pump & Dedicated Tubing

Type of Water Quality Kit Used:
~~(X) YSI 556~~
( ) YSI 6000
( ) Horriba
( ) Hanna

Begin Purge at 0948

MYRON L

Time (24 hrs)	Volume (G / L)	Temp. (C / °F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color (turb)	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)			(± 10%)	(± 20%)
0955	18.5	17.7	20.92	11.61 ms	6.99	clear 35	YES	pre: 1.35	pre: -7
WELL DEWATERED @			35	GALS					
1205	—	18.2	5.30	14.81 ms	7.68	cloudy 88	YES		
								post: 0.77	post: 80

Liters / Gallons Purged: 35 **Pump Rate in L or G /min:** 2.6

Sampling Time: 1205 **Duplicate Sample ID:** **Sample Time:**

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE EDB, EDC HCl		3 X 40 mL VOAs
(X) TPH-d & ~~TPH-mo~~	HCL	1 x 1 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
~~(X) TOC~~	H_2SO_4	3 X 40 mL Amber VOAs
~~(X) Methane~~	HCL	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
~~(X) VOCs~~	HCL	3 X 40 mL VOAs
~~(X) Dehalococcoides~~	None	1 x 1 L Poly

Notes: ANALYSIS: NAPTHALENE

201 STINGER REMOVED FROM WELL

Groundwater Sampling Data Shee
Former Penske – 725 Julie Ann Way, Oakland, California

Project #:185702145. 200. 0003	Project Name: Penske Julie Ann Way	Date: 2 / 3 / 11
Site Location: Oakland	Sampler(s): WW	
Well ID: MW-7R ~~9.47~~	Depth to Water (DTW) (ft): 4.98	Sample DTW (ft): 4.98
Screen Interval (ft):	Depth to Bottom (DTB) (ft): 19.53	Measurements Referenced to: TOC
~~Tube~~/Pump Depth (ft): 9.47	Well Diameter (inch): 2	OVM (ppm) =

CALCULATIONS:

Length of the water column: 19.53 (DTB) ft - 4.98 (DTW) ft = 14.55 (Water Col) ft

80% of the water level: 4.98 (DTW) ft + (14.55 (Water Col) ft X 0.2) = 7.89 (Recharge water level) ft

Estimated Purge Volume (EPV): = _____ (Water col) ft X _____ (gal/lin. ft.) X 3 (Casing Volumes) = _____ Gallons

(X) Low-Flow/Micro Purging
( ) Purge at least 3 well volumes
( ) No purge

Volume of Schedule 40 PVC Pipe

Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
( ) Bladder Pump
( ) Disposable Bailer
(X) Electric Submergible Pump
( ) Peristaltic Pump

Sampling Equipment: new tubing
( ) Bladder Pump
( ) Pump Discharge
( ) Disposable Bailer
( ) Peristaltic Pump & Dedicated Tubing

Type of Water Quality Kit Used:
(X) YSI 556
( ) YSI 6000
( ) Horriba
( ) Hanna

Begin Purge at 1320

Time (24 hrs)	Volume (G /L)	Temp. (°C / °F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color	turb.	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)				(± 10%)	(± 20%)
1323	0.3	16.69	4.98	4822	7.28	tan	234	NO	1.40	-132.7
1326	0.6	16.87	4.98	4894	7.14	tan	169	NO	1.20	-180.5
1329	0.9	17.11	4.98	4892	7.10	tan	100	NO	1.07	-200.8
1332	1.2	17.39	4.98	4901	7.09	tan	102	NO	0.89	-213.5
1335	1.5	17.22	4.98	4909	7.08	tan	17	NO	0.81	-220.1
1338	1.8	17.86	4.98	4909	7.08	tan	11	NO	0.80	-225.0
1341	2.1	17.97	4.98	4916	7.08	tan	10	NO	0.78	-229.9
1344	2.4	17.39	4.98	4983	7.06	tan	8	NO	0.77	-234.6

Liters / Gallons Purged: 2.4	Pump Rate in L or G /min: 0.1
Sampling Time: 1350	Duplicate Sample ID: Sample Time:

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE EDB, EDC	HCl	3 X 40 mL VOAs
(X) TPH-d & ~~TPH-mo~~	HCL	1 x 1 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
~~(X) TOC~~	H_2SO_4	3 X 40 mL Amber VOAs
~~(X) Methane~~	HCL	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
~~(X) VOCs~~	HCL	3 X 40 mL VOAs
~~(X) Dehalococcoides~~	None	1 x 1 L Poly

Notes: ANALYZE: NAPTHALENE
MW-7R 9ft

Groundwater Sampling Data Shee
Former Penske – 725 Julie Ann Way, Oakland, California

Project #:185702145. 200. 0003	Project Name: Penske Julie Ann Way		Date: 2/3/11
Site Location: Oakland	Sampler(s): MW		
Well ID: MW-7R	Depth to Water (DTW) (ft): 4.98	Sample DTW (ft): 4.98	
Screen Interval (ft):	Depth to Bottom (DTB) (ft): 19.53	Measurements Referenced to: TOC	
~~Tube~~/Pump Depth (ft): 18	Well Diameter (inch): 2	OVM (ppm) =	

CALCULATIONS:

Length of the water column: 19.53 ft (DTB) - 4.98 ft (DTW) = 14.55 ft (Water Col)

80% of the water level: 4.98 ft (DTW) + (14.55 ft (Water Col) X 0.2) = 7.89 ft (Recharge water level)

Estimated Purge Volume (EPV): _____ ft (Water col) X _____ (gal/lin. ft.) X 3 (Casing Volumes) = _____ Gallons

(X) Low-Flow/Micro Purging
( ) Purge at least 3 well volumes
( ) No purge

Volume of Schedule 40 PVC Pipe

Well Diameter.	I.D	gal/linear ft.
~~1.25~~	~~1.38~~	~~0.08~~
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
( ) Bladder Pump
( ) Disposable Bailer
(X) Electric Submergible Pump
( ) Peristaltic Pump

Sampling Equipment: new tubing
( ) Bladder Pump
( ) Pump Discharge
( ) Disposable Bailer
( ) Peristaltic Pump & Dedicated Tubing

Type of Water Quality Kit Used:
(X) YSI 556
( ) YSI 6000
( ) Horriba
( ) Hanna

Begin Purge at 1357

Time (24 hrs)	Volume (G/L)	Temp. (°C/°F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color	turb	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)				(± 10%)	(± 20%)
1400	0.3	18.40	4.98	4780	7.16	tan	100	NO	0.97	-242.4
1403	0.6	18.02	4.98	4727	7.10	"	98	NO	0.85	-253.1
1406	0.9	18.29	4.98	4652	7.09	"	90	NO	0.69	-257.9
1409	1.2	18.47	4.98	4642	7.11	"	80	NO	0.68	-239.4
1412	1.5	18.45	4.98	4620	7.10	"	24	NO	0.80	-238.9
1415	1.8	18.63	4.98	4593	7.09	cloudy	16	NO	0.67	-259.3
1418	2.1	18.69	4.98	4580	7.10	cloudy	12	NO	0.62	-266.0
1421	2.4	18.70	4.98	4565	7.10	cloudy	9	NO	0.56	-275.9

Liters / Gallons Purged: 2.4	Pump Rate in L or G /min: 0.1
Sampling Time: 1430	Duplicate Sample ID: Sample Time:

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE EDB, EDC	HCl	3 X 40 mL VOAs
(X) TPH-d & ~~TPH-mo~~	HCL	1 x 1 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
~~(X) TOC~~	H_2SO_4	3 X 40 mL Amber VOAs
~~(X) Methane~~	HCL	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
~~(X) VOCs~~	HCL	3 X 40 mL VOAs
~~(X) Dehalococcoides~~	None	1 x 1 L Poly

Notes: ANALYSIS: NAPTHALENE

MW-7R 18 ft

Groundwater Sampling Data Shee
Former Penske – 725 Julie Ann Way, Oakland, California

Project #:185702145. 200. 0003	Project Name: Penske Julie Ann Way	Date: 2/4/11
Site Location: Oakland	Sampler(s): WW	
Well ID: MW-7R	Depth to Water (DTW) (ft): 4.98	Sample DTW (ft): 4.98
Screen Interval (ft):	Depth to Bottom (DTB) (ft): 19.53	Measurements Referenced to: TOC
Tube/Pump Depth (ft): 19	Well Diameter (inch): 2	OVM (ppm) =

CALCULATIONS:

Length of the water column: 19.53 ft (DTB) - 4.98 ft (DTW) = 14.55 ft (Water Col)

80% of the water level: 4.98 ft (DTW) + (14.55 ft (Water Col) X 0.2) = 7.89 ft (Recharge water level)

Estimated Purge Volume (EPV): = 14.55 ft (Water col) X 0.17 (gal/lin. ft.) X 3 (Casing Volumes) = 7.42 Gallons

( ) Low-Flow/Micro Purging
(X) Purge at least 3 well volumes
( ) No purge

Volume of Schedule 40 PVC Pipe

Well Diameter.	I.D	gal/linear ft.
~~1.25~~	~~1.38~~	~~0.08~~
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
( ) Bladder Pump
( ) Disposable Bailer
(X) Electric Submergible Pump
( ) Peristaltic Pump

Sampling Equipment:
( ) Bladder Pump
( ) Pump Discharge
(X) Disposable Bailer
( ) Peristaltic Pump & Dedicated Tubing

Type of Water Quality Kit Used:
(X) ~~YSI 556~~
( ) YSI 6000
( ) Horriba
( ) Hanna

Begin Purge at 0734

Time (24 hrs)	Volume (G/L)	Temp. (C/F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)			(± 10%)	(± 20%)
0736	2.5	17.3	5.16	3948	7.60	cloudy	NO	pre: 1.32	pre: 56
0738	5	17.7	6.11	3612	7.33	clear	NO		
0740	7.5	17.6	6.31	3523	7.47	clear	NO		
								post: 1.03	post: 50

~~Liters~~ / Gallons Purged: 7.5

Pump Rate ~~in L or G~~ /min: 1.2

Sampling Time: 0745

Duplicate Sample ID: Sample Time:

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE EDB/EDC	HCl	6 X 40 mL VOAs
(X) TPH-d & ~~TPH-mo~~	HCL	1 x 1 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
~~(X) TOC~~	H_2SO_4	3 X 40 mL Amber VOAs
~~(X) Methane~~	HCL	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
~~(X) VOCs~~	HCL	3 X 40 mL VOAs
(X) Dehalococcoides	None	1 x 1 L Poly

Notes: ANALYSIS - NAPTHALENE

Groundwater Sampling Data Shee
Former Penske – 725 Julie Ann Way, Oakland, California

Project #:185702145. 200. 0003	Project Name: Penske Julie Ann Way		Date: 2/4/11
Site Location: Oakland	Sampler(s): MW		
Well ID: MW-4	Depth to Water (DTW) (ft): 5.93	Sample DTW (ft): 7.25	
Screen Interval (ft):	Depth to Bottom (DTB) (ft): 26.02	Measurements Referenced to: TOC	
Tube/Pump Depth (ft): 25	Well Diameter (inch): 4	OVM (ppm) =	

CALCULATIONS:

Length of the water column: 26.02 ft (DTB) - 5.93 ft (DTW) = 20.09 ft (Water Col)

80% of the water level: 5.93 ft (DTW) + (20.09 ft (Water Col) X 0.2) = 9.95 ft (Recharge water level)

Estimated Purge Volume (EPV): = 20.09 ft (Water col) X 0.66 (gal/lin. ft.) X 3 (Casing Volumes) = 39.8 Gallons

( ) Low-Flow/Micro Purging
(X) Purge at least 3 well volumes
( ) No purge

Volume of Schedule 40 PVC Pipe

Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
( ) Bladder Pump
( ) Disposable Bailer
(X) Electric Submergible Pump
( ) Peristaltic Pump

Sampling Equipment:
( ) Bladder Pump
( ) Pump Discharge
(X) Disposable Bailer
( ) Peristaltic Pump & Dedicated Tubing

Type of Water Quality Kit Used:
(X) YSI 556
( ) YSI 6000
( ) Horriba
( ) Hanna

Begin Purge at 0858

Time (24 hrs)	Volume (G/ L)	Temp. (C/ °F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color / turbidity	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)			(± 10%)	(± 20%)
0905	13.3	16.3	9.78	6910	7.35	cloudy / 888	NO	pre: 2.92	pre: 151
0912	26.6	16.6	9.87	6526	7.36	gray / >1000	NO		
0918	39.9	17.2	9.87	6328	7.47	cloudy / 352	NO		
								post: 1.88	post: 123

Liters / Gallons Purged: 39.9
Pump Rate in L or G /min: 1.9
Sampling Time: 0925
Duplicate Sample ID: Sample Time:

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(√) TPH-g, BTEX, MTBE EDB, EDC	HCl	3 X 40 mL VOAs
(√) TPH-d & ~~TPH-mo~~	HCL	1 x 1 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
~~(X) TOC~~	H_2SO_4	3 X 40 mL Amber VOAs
~~(X) Methane~~	HCL	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
~~(X) VOCs~~	HCL	3 X 40 mL VOAs
~~(X) Dehalococcoides~~	None	1 x 1 L Poly

Notes: ANALYSIS: NAPHTHALENE

Groundwater Sampling Data Shee
Former Penske – 725 Julie Ann Way, Oakland, California

Project #:185702145. 200. 0003	Project Name: Penske Julie Ann Way		Date: 2/4 / 11
Site Location: Oakland	Sampler(s): MW		
Well ID: OW-1	Depth to Water (DTW) (ft): 4.45	Sample DTW (ft): 4.45	
Screen Interval (ft):	Depth to Bottom (DTB) (ft): 14.35	Measurements Referenced to: TOC	
Tube/Pump Depth (ft): 14	Well Diameter (inch): 4	OVM (ppm) =	

CALCULATIONS:

Length of the water column: 14.35 ft (DTB) - 4.45 ft (DTW) = 9.9 ft (Water Col)

80% of the water level: 4.45 ft (DTW) + (9.90 ft (Water Col) X 0.2) = 6.43 ft (Recharge water level)

Estimated Purge Volume (EPV): = 9.9 ft (Water col) X 0.66 (gal/lin. ft.) X 3 (Casing Volumes) = 19.6 Gallons

( ) Low-Flow/Micro Purging
(X) Purge at least 3 well volumes
( ) No purge

Volume of Schedule 40 PVC Pipe

Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
( ) Bladder Pump
( ) Disposable Bailer
(X) Electric Submergible Pump
( ) Peristaltic Pump

Sampling Equipment:
( ) Bladder Pump
( ) Pump Discharge
(X) Disposable Bailer
( ) Peristaltic Pump & Dedicated Tubing

Type of Water Quality Kit Used:
( ) ~~YSI 556~~
( ) YSI 6000
( ) Horriba
( ) Hanna

Begin Purge at 1029 — MYRON L

Time (24 hrs)	Volume (G / L)	Temp. (C / °F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color (turb)	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)			(± 10%)	(± 20%)
1035	6.5	18.7	4.45	3460	7.45	yellow 43	yes	pre: 0.88	pre: -42
1038	13	19.9	4.45	3217	7.34	yellow 18	yes		
1041	19.5	17.8	4.45	3188	7.16	yellow 13	NO		
								post: 1.10	post: -39

Liters / Gallons Purged: 19.5 — Pump Rate in L or G /min: 2.2

Sampling Time: 1050 — Duplicate Sample ID: — Sample Time:

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE EDB, EDC	HCl	3 X 40 mL VOAs
(X) TPH-d & ~~TPH-mo~~	HCL	1 x 1 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
~~(X) TOC~~	H_2SO_4	3 X 40 mL Amber VOAs
~~(X) Methane~~	HCL	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
~~(X) VOCs~~	HCL	3 X 40 mL VOAs
~~(X) Dehalococcoides~~	None	1 x 1 L Poly

Notes: ANALYTES: NAPHTHALENE

Groundwater Sampling Data Shee
Former Penske – 725 Julie Ann Way, Oakland, California

Project #:185702145. 200. 0003	Project Name: Penske Julie Ann Way		Date: 2 / 4 / 11
Site Location: Oakland	Sampler(s): ww		
Well ID: OW-2	Depth to Water (DTW) (ft): 4.65	Sample DTW (ft): 4.69	
Screen Interval (ft):	Depth to Bottom (DTB) (ft): 14.22	Measurements Referenced to: TOC	
Tube/Pump Depth (ft): 14	Well Diameter (inch): 4	OVM (ppm) =	

CALCULATIONS:

Length of the water column: 14.22 ft (DTB) - 4.65 ft (DTW) = 9.57 ft (Water Col)

80% of the water level: 4.65 ft (DTW) + (9.57 ft (Water Col) X 0.2) = 6.56 ft (Recharge water level)

Estimated Purge Volume (EPV): = 9.57 ft (Water col) X 0.66 (gal/lin. ft.) X 3 (Casing Volumes) = 18.9 Gallons

( ) Low-Flow/Micro Purging
(X) Purge at least 3 well volumes
( ) No purge

Volume of Schedule 40 PVC Pipe

Well Diameter.	I.D	gal/linear ft.
1.25	1.38	0.08
2	**2.067**	**0.17**
3	3.068	0.38
4	**4.026**	**0.66**
6	6.065	1.5
8	7.981	2.6
10	10.02	4.12
12	11.938	5.81

Purging Equipment:
( ) Bladder Pump
( ) Disposable Bailer
(X) Electric Submergible Pump
( ) Peristaltic Pump
Begin Purge at 1109

Sampling Equipment:
( ) Bladder Pump
( ) Pump Discharge
(X) Disposable Bailer
( ) Peristaltic Pump & Dedicated Tubing

Type of Water Quality Kit Used:
(X) ~~YSI 556~~
( ) YSI 6000
( ) Horriba
( ) Hanna
MYRON L

Time (24 hrs)	Volume (G / L)	Temp. (C / °F)	DTW	Specific Conductivity (µS/cm)	pH (units)	Color	turb	Odor	DO (mg/L)	Redox Potential (mV)
(every 3-5 min)		(± 10%)		(± 10%)	(± 0.2)				(± 10%)	(± 20%)
1112	6.3	17.7	4.96	3169	7.32	gray	208	Yes	pre: 12.4	pre: 13
1114	12.6	17.0	4.96	3106	7.23	yellow	55	NO		
1118	18.9	16.8	4.96	3066	7.24	yellow	35	NO		
									post: 1.06	post: -89

Liters / Gallons Purged: 18.9	Pump Rate in L or G/min: 2.1
Sampling Time: 1125	Duplicate Sample ID: Sample Time:

Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
(X) TPH-g, BTEX, MTBE	HCl	6 X 40 mL VOAs
(X) TPH-d & ~~TPH-mo~~	HCL	1 x 1 L Ambers
( ) NO_2, NO_3 & SO_4	None	1 X 500 mL Poly
( ) Total Manganese	HNO_3	1 X 250 mL Poly
( ) Dissolved Iron	Field-filtered, HNO_3	1 X 250 mL Poly
( ) Ferrous Iron	HCl	2 X Amber VOAs
( ) SVOCs	None	2 x 1 L Ambers

Duplicate Sample Analyzed For: SEE WORK ORDER

(√) Analyte(s):	Preservative:	Bottles:
~~(X) TOC~~	H_2SO_4	3 X 40 mL Amber VOAs
~~(X) Methane~~	HCL	3 X 40 mL VOAs
( ) Naphthalene, Phenol	None	2 x 1 L Ambers
( ) Alkalinity, TDS	None	1 X 500 mL Poly
( ) Phosphorus, TKN	H_2SO_4	1 x 500 mL Poly
~~(X) VOCs~~	HCL	3 X 40 mL VOAs
~~(X) Dehalococcoides~~	None	1 x 1 L Poly

Notes: ANALYTES: NAPTHALENE

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME	STANTEC @ 725 JULIE ANN WAY, OAKLAND, CA			PROJECT NUMBER	110203-WW1		
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. °C	INITIALS
YSI 556 MPS	09B100592	2/3/11 0825	PH: 4.7.10 cond: 1900 uS	PH: 7.00; 10.00 3.97 Cond: 3901	Yes	14.93	MW
"	"	"	ORP: 244 mV DO: 100 % @ 10 mg/L	ORP: 244 mV DO: 102.1 % @ 10.41 mg/L	Yes	"	"
YSI 550 A	05G1826 AA	2/3/11 1435	DO: 100 % @ 10 mg/L	DO: 103 % @ 10.37 mg/L	Yes	16.8°C	MW
MYRON L ULTRAMETER 2	6207755	2/3/11 1435	PH: 4,7,10 Cond: 3900 uS	PH: 7.00; 10.00 3.99 cond: 3900 uS	Yes	16.0	MW
"	"	"	ORP: 243 mV	ORP: 242 mV	Yes	"	"
MYRON L ULTRAMETER 2	6207755	2/4/11 0725	PH: 4,7,10 cond: 3900 uS	PH: 7.00; 10.00 3.99 cond: 3900 uS	Yes	10.4	MW
"	"	"	ORP: 258 mV	ORP: 241 mV	Yes	"	"
YSI 550 A	05G1826 AA	2/4/11 0725	DO: 100 % @ 10 mg/L	DO: 99.7 % 10.35 mg/L	Yes	11.5	MW

Stantec

FIELD DATA SHEETS
Second Quarter 2011

WELLHEAD INSPECTION CHECKLIST

Date 4/11/11 Client STANTEC

Site Address 725 JULIE ANNE WAY. OAKLAND, CA

Job Number 110411-JP2 Technician J. PARKER

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-1A	X							
MW-2							X	
MW-3							X	
MW-4							X	
MW-5							X	
MW-6							X	
MW-7A	X							
MW-8							X	
OW-1							X	
OW-2							X	

NOTES: MW-2/3/5: LID NOT SECURABLE. STEEL PLATE. MW-9/6/8 / OW-1/2: 2/2 TABS STRIPPED.

WELL GAUGING DATA

Project # 110411-JP2 Date 4/11/11 Client STANTEC

Site 725 JULIE ANNE WAY. OAKLAND, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or (TOC)	Notes
MW-1A	1321	2	—	—	—	—	4.40	19.60		
MW-2	1300	4	—	—	—	—	5.35	29.36		
MW-3	1305	4	—	—	—	—	5.37	33.49		
MW-4	1345	4	—	—	—	—	4.29	33.16		
MW-5	1335	4	—	—	—	—	4.00	31.31		
MW-6	1355	4	—	—	—	—	4.71	24.60		
MW-7A	1326	2	—	—	—	—	4.63	19.41		
MW-8	1340	4	ODOR	—	—	—	4.45	25.93		
OW-1	1400 ~~1310~~	4	—	—	—	—	4.01 ~~4.78~~	14.40 ~~14.69~~		
OW-2	1310	4	—	—	—	—	4.28	14.89		

Stantec

APPENDIX B
Water Sample Laboratory Reports and Chain-of-Custody Forms

2011 Semi-Annual Monitoring and Sampling Report
Former Penske Truck Leasing Facility
725 Julie Ann Way, Oakland, California
Alameda County Site ID RO0000354
Stantec PN: 185702330 200.0002
May 13, 2011


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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

Laboratory Job Number 225790
ANALYTICAL REPORT

Stantec	Project : STANDARD
57 Lafayette Circle	Location : 75 Julie Ann Way, Oakland, CA
Lafayette, CA 94549-4321	Level : II

Sample ID	Lab ID
MW-2	225790-001
MW-7R	225790-002
MW-8	225790-003
OW-1	225790-004
OW-2	225790-005
MW-4	225790-006

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 signature. 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: _____ Date: 02/11/2011
Project Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**225790**
Client:	**Stantec**
Location:	**75 Julie Ann Way, Oakland, CA**
Request Date:	**02/04/11**
Samples Received:	**02/04/11**

This data package contains sample and QC results for six water samples, requested for the above referenced project on 02/04/11. The samples were received cold and intact.

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

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

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

225790

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

CHAIN OF CUSTODY BTS# 110203-WW1

CLIENT: Stantec

SITE: 725 Julie Ann Way
Oakland CA

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

LAB: C&T Berkeley DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ RWQCB REGION
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS

Invoice and Report to : Stantec
Attn: Eva Hey (925) 299-9300 Ext. 237
eva.hey@stantec.com

	SAMPLE I.D.	DATE	TIME	MATRIX S=SOIL W=H_2O	CONTAINERS TOTAL	CONTAINERS mixed	TPH-g (8015M)	TPH-d w/SGC (8015M)	BTEX, MTBE, EDC, EDB (8260)	Napthalene (8260B)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
1	MW-2	2/4/11	0840	W	8	6 HCl VOAs 2-1L NP ambers	X	X	X	X				
2	MW-7R		0745				X	X	X	X				
3	MW-8		0925				X	X	X	X				
4	OW-1		1050				X	X	X	X				
5	OW-2		1125				X	X	X	X				
6	MW-4		1205				X	X	X	X				

SAMPLING COMPLETED: DATE 2/4/11 TIME 1205
SAMPLING PERFORMED BY: Will Ham WWG

RESULTS NEEDED NO LATER THAN: Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	2/4/11	1355	SAMPLE CUSTODIAN	2/4/11	1355
	2/4/11	1353		2/4/11	1353
	DATE	TIME		DATE	TIME

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

intact cold RC

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 225790 Date Received 2/4/11 Number of coolers 1
Client Stantec Project 725 Julie Ann Way

Date Opened 2/4/11 By (print) R. Paric (sign)
Date Logged in 2/7/11 By (print) (sign)

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

2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☒ NO
How many Name Date
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) 1.0

☐ 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, Ltd.

Total Volatile Hydrocarbons

Lab #:	225790	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	171687
Units:	ug/L	Sampled:	02/04/11
Diln Fac:	1.000	Received:	02/04/11

Field ID: MW-2 | Lab ID: 225790-001
Type: SAMPLE | Analyzed: 02/09/11

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	105	75-130

Field ID: MW-7R | Lab ID: 225790-002
Type: SAMPLE | Analyzed: 02/09/11

Analyte	Result	RL
Gasoline C7-C12	120 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	104	75-130

Field ID: MW-8 | Lab ID: 225790-003
Type: SAMPLE | Analyzed: 02/09/11

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	100	75-130

Field ID: OW-1 | Lab ID: 225790-004
Type: SAMPLE | Analyzed: 02/09/11

Analyte	Result	RL
Gasoline C7-C12	140 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	106	75-130

Field ID: OW-2 | Lab ID: 225790-005
Type: SAMPLE | Analyzed: 02/09/11

Analyte	Result	RL
Gasoline C7-C12	260 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	103	75-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	225790	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	171687
Units:	ug/L	Sampled:	02/04/11
Diln Fac:	1.000	Received:	02/04/11

Field ID:	MW-4	Lab ID:	225790-006
Type:	SAMPLE	Analyzed:	02/10/11

Analyte	Result	RL
Gasoline C7-C12	1,600 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	111	75-130

Type:	BLANK	Analyzed:	02/09/11
Lab ID:	QC579419		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	100	75-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	225790	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC579418	Batch#:	171687
Matrix:	Water	Analyzed:	02/09/11
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	888.1	89	75-126

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	95	75-130

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	225790	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	171687
MSS Lab ID:	225801-002	Sampled:	02/02/11
Matrix:	Water	Received:	02/03/11
Units:	ug/L	Analyzed:	02/09/11
Diln Fac:	1.000		

Type: MS Lab ID: QC579420

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	30.58	2,000	1,879	92	68-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	106	75-130

Type: MSD Lab ID: QC579421

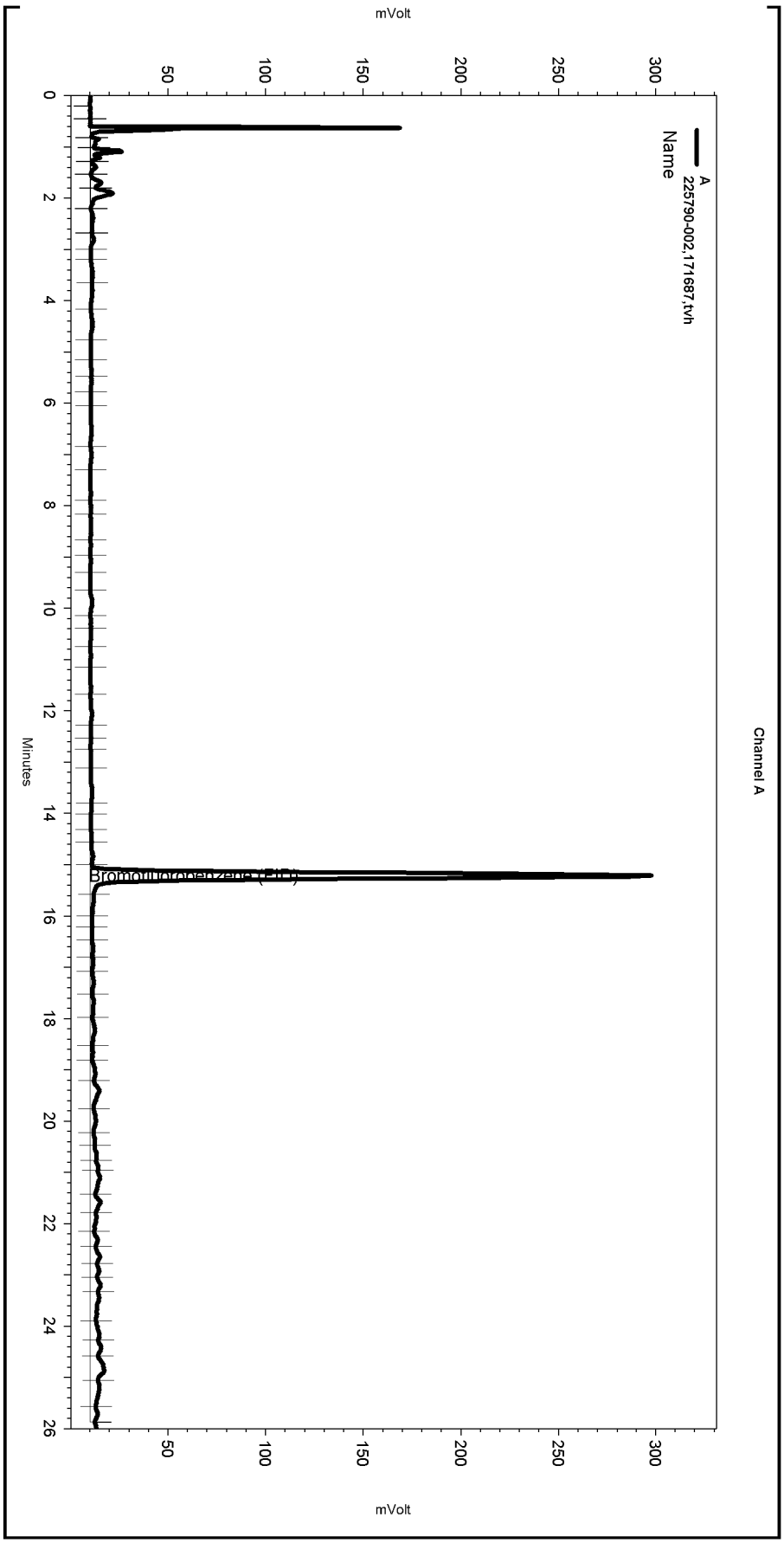
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,873	92	68-120	0	26

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	107	75-130

RPD= Relative Percent Difference

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\040.seq**
Sample Name: **225790-002,171687,tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\040-013**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe013.met

Software Version 3.1.7
Run Date: 2/9/2011 8:23:55 PM
Analysis Date: 2/10/2011 11:56:08 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: c1.0



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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

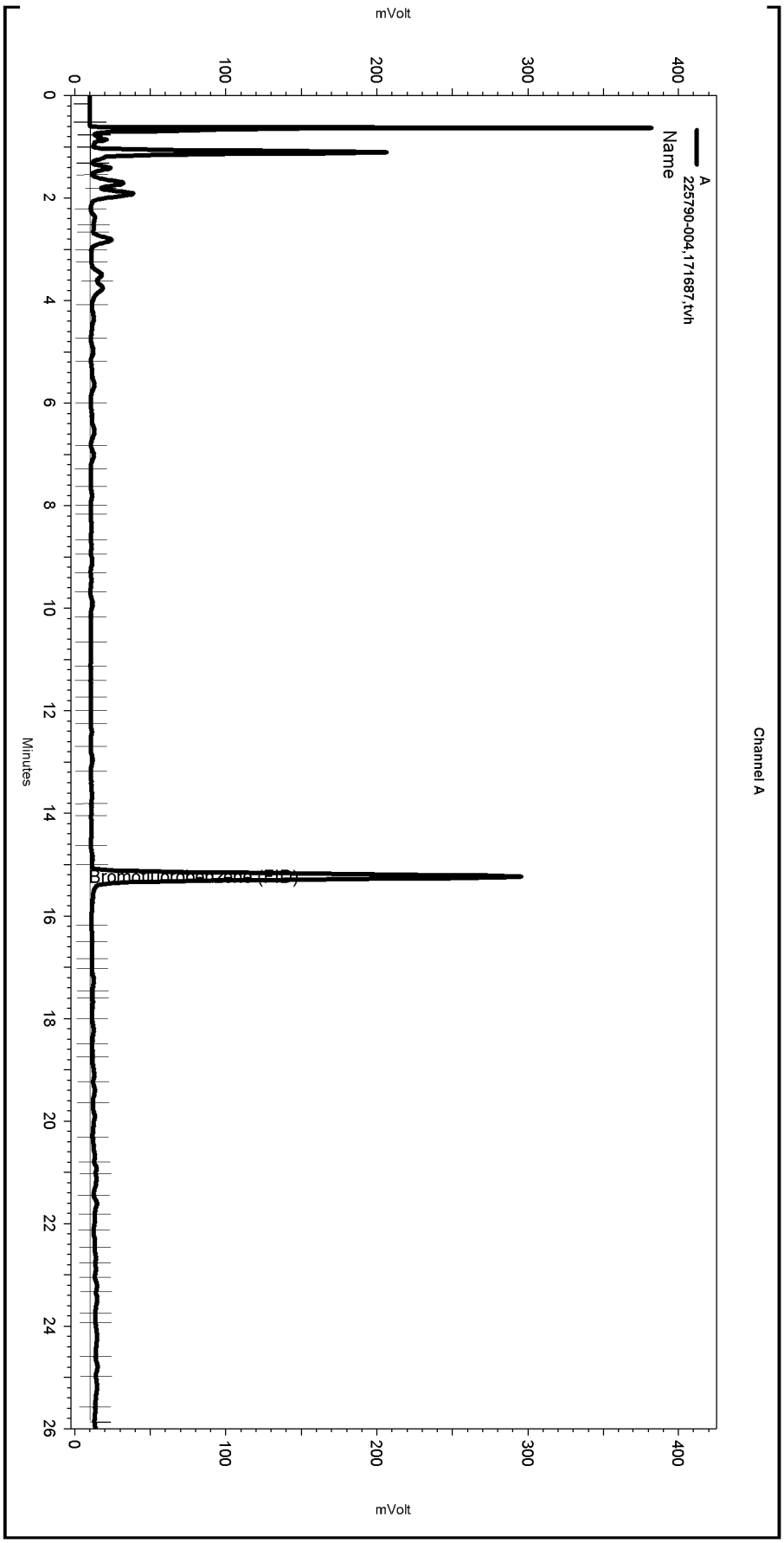
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\040-013

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.263	25.953	0
Yes	Split Peak	15.576	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\040.seq**
Sample Name: **225790-004,171687,tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\040-015**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe013.met

Software Version 3.1.7
Run Date: 2/9/2011 9:40:41 PM
Analysis Date: 2/10/2011 11:57:59 AM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: c1.0



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No items selected for this section

Integration Events

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

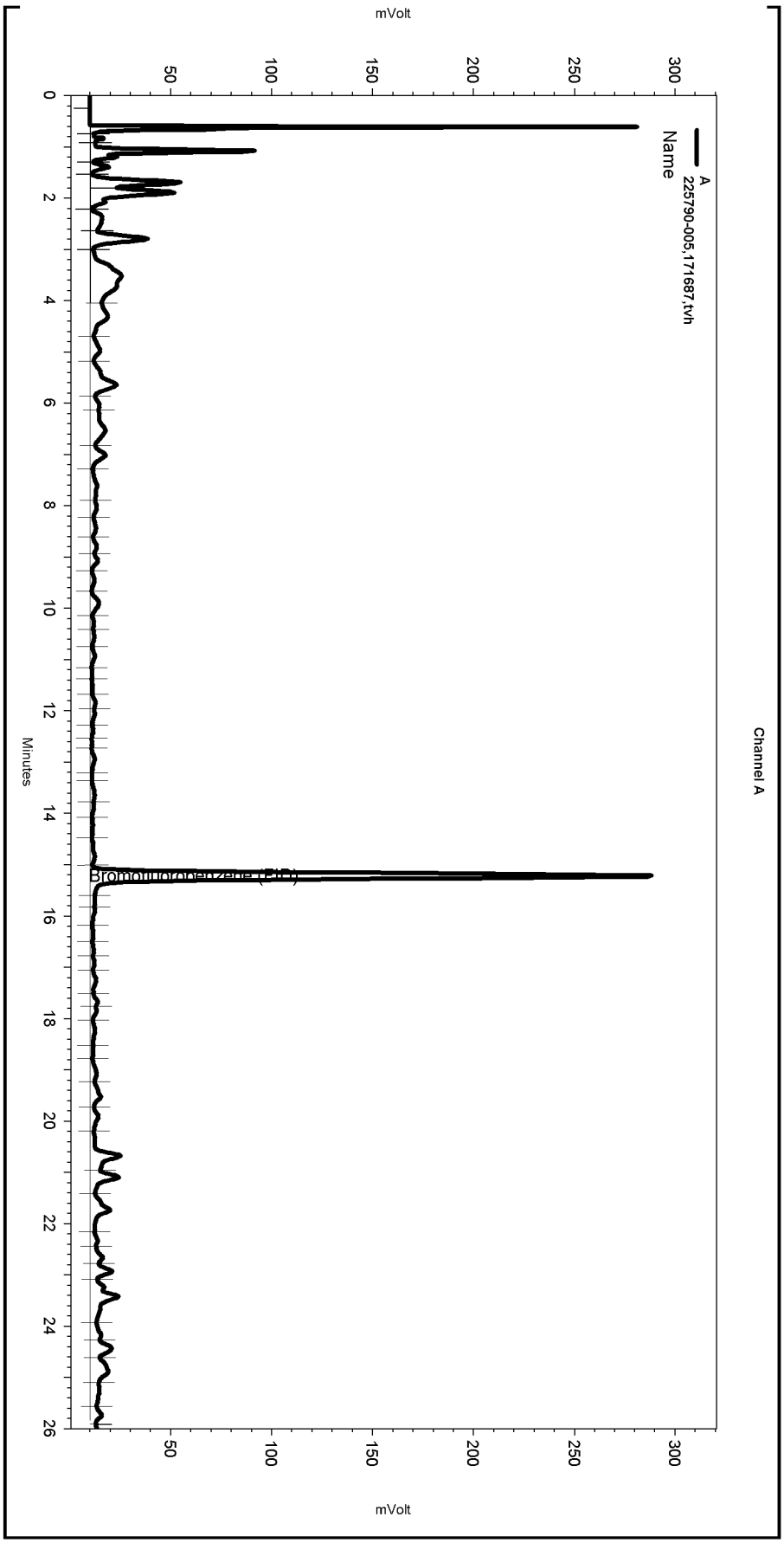
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\040-015

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.516	25.848	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\040.seq**
Sample Name: **225790-005,171687,tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\040-018**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe013.met

Software Version 3.1.7
Run Date: 2/9/2011 11:36:17 PM
Analysis Date: 2/10/2011 12:20:29 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: c1.0



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No items selected for this section

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No items selected for this section

Integration Events

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

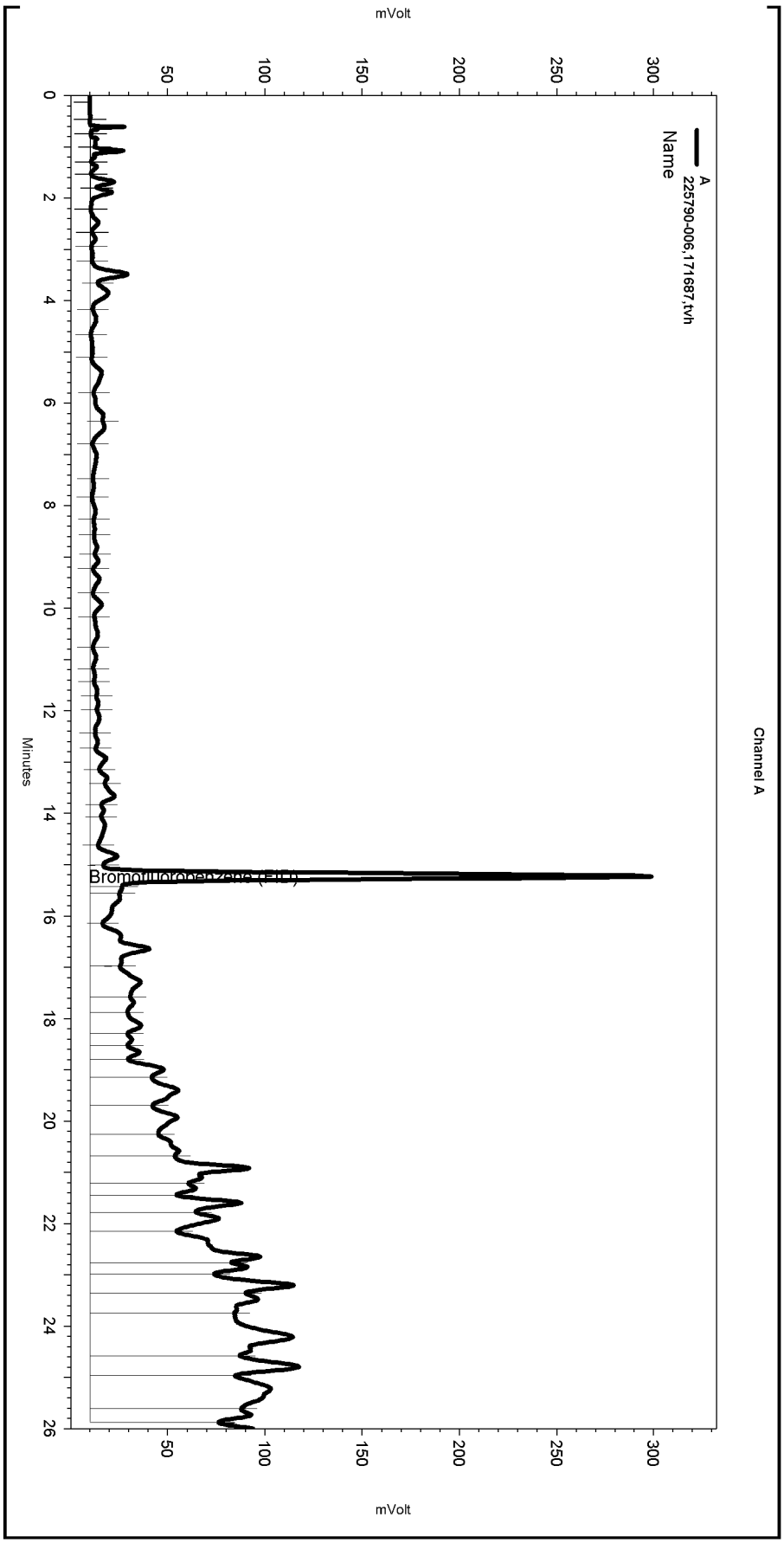
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\040-018

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.489	25.847	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\040.seq**
Sample Name: **225790-006,171687,tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\040-019**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe013.met

Software Version 3.1.7
Run Date: 2/10/2011 12:14:47 AM
Analysis Date: 2/10/2011 12:21:52 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: c1.0



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No items selected for this section

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No items selected for this section

Integration Events

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

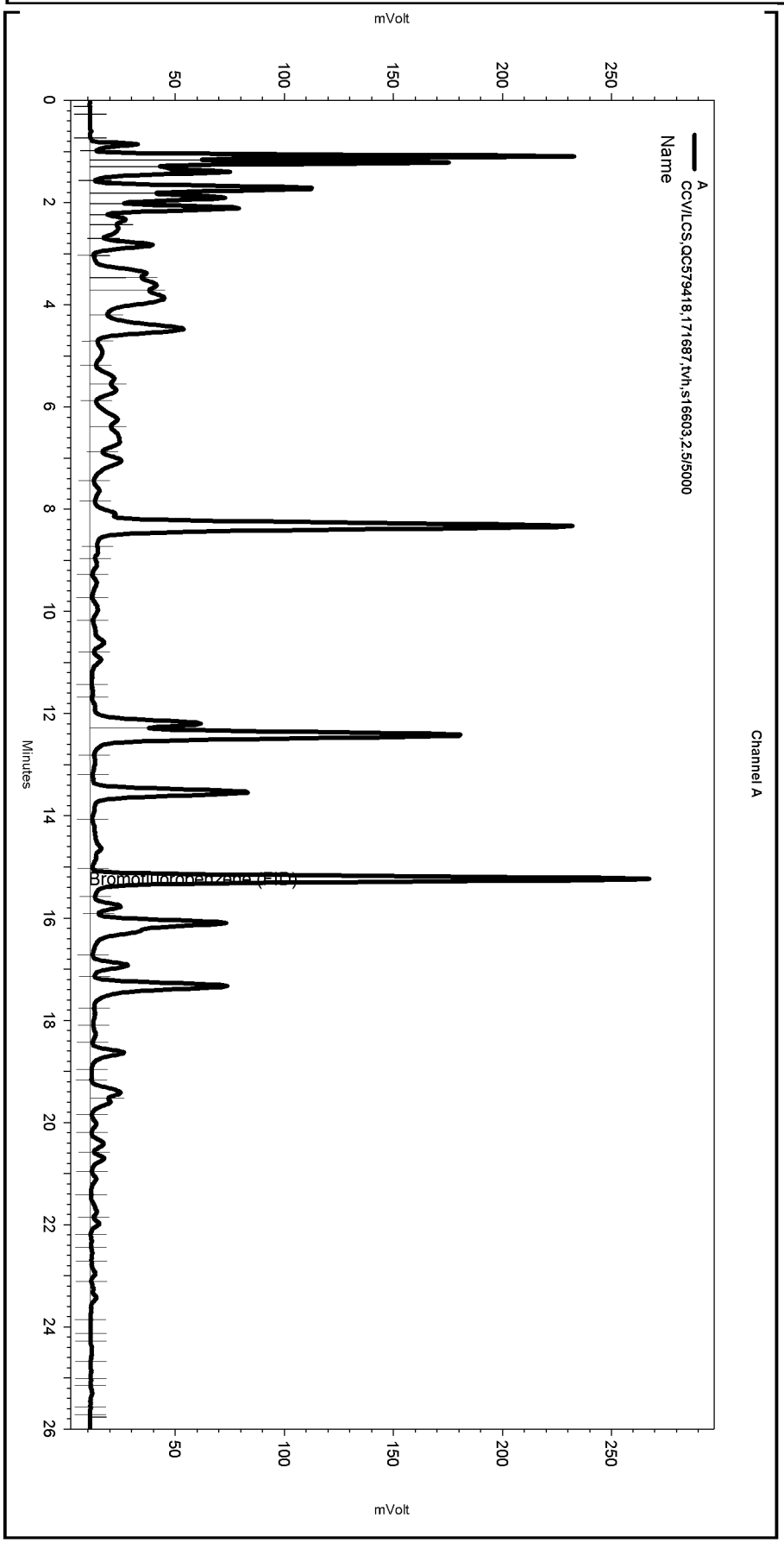
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\040-019

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.344	25.872	0
Yes	Split Peak	15.438	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\040.seq**
Sample Name: **CCV/LCS,QC579418,171687,tvh,s16603,2.5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\040-003**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe013.met

Software Version 3.1.7
Run Date: 2/9/2011 12:43:49 PM
Analysis Date: 2/9/2011 3:25:03 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: {Data Description}



---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

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\040-003

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	225790	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	02/04/11
Units:	ug/L	Received:	02/04/11
Diln Fac:	1.000	Prepared:	02/08/11
Batch#:	171644		

Field ID: MW-2
Type: SAMPLE
Lab ID: 225790-001
Analyzed: 02/09/11
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	90 Y	50

Surrogate	%REC	Limits
o-Terphenyl	77	60-129

Field ID: MW-7R
Type: SAMPLE
Lab ID: 225790-002
Analyzed: 02/09/11
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	1,200	50

Surrogate	%REC	Limits
o-Terphenyl	70	60-129

Field ID: MW-8
Type: SAMPLE
Lab ID: 225790-003
Analyzed: 02/09/11
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	62 Y	50

Surrogate	%REC	Limits
o-Terphenyl	73	60-129

Field ID: OW-1
Type: SAMPLE
Lab ID: 225790-004
Analyzed: 02/09/11
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	17,000	500

Surrogate	%REC	Limits
o-Terphenyl	DO	60-129

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	225790	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	02/04/11
Units:	ug/L	Received:	02/04/11
Diln Fac:	1.000	Prepared:	02/08/11
Batch#:	171644		

Field ID: OW-2 Analyzed: 02/09/11
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 225790-005

Analyte	Result	RL
Diesel C10-C24	2,200	50

Surrogate	%REC	Limits
o-Terphenyl	62	60-129

Field ID: MW-4 Analyzed: 02/10/11
Type: SAMPLE Cleanup Method: EPA 3630C
Lab ID: 225790-006

Analyte	Result	RL
Diesel C10-C24	26,000	50

Surrogate	%REC	Limits
o-Terphenyl	87	60-129

Type: BLANK Analyzed: 02/09/11
Lab ID: QC579237 Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	69	60-129

Y= Sample exhibits chromatographic pattern which does not resemble standard
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	225790	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	171644
Units:	ug/L	Prepared:	02/08/11
Diln Fac:	1.000	Analyzed:	02/09/11

Type: BS
Lab ID: QC579238
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,550	62	53-128

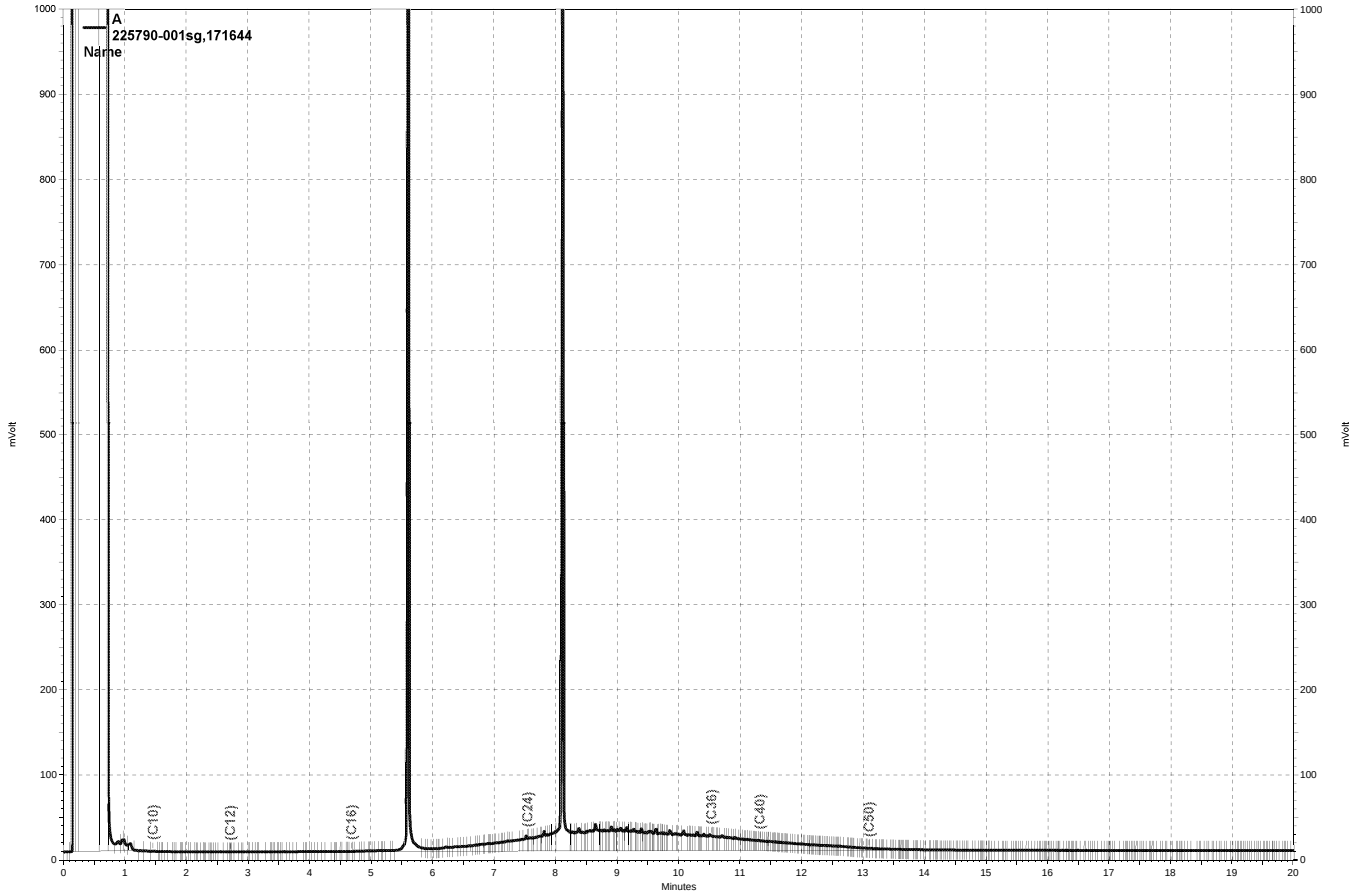
Surrogate	%REC	Limits
o-Terphenyl	71	60-129

Type: BSD
Lab ID: QC579239
Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	1,680	67	53-128	8	48

Surrogate	%REC	Limits
o-Terphenyl	78	60-129

RPD= Relative Percent Difference



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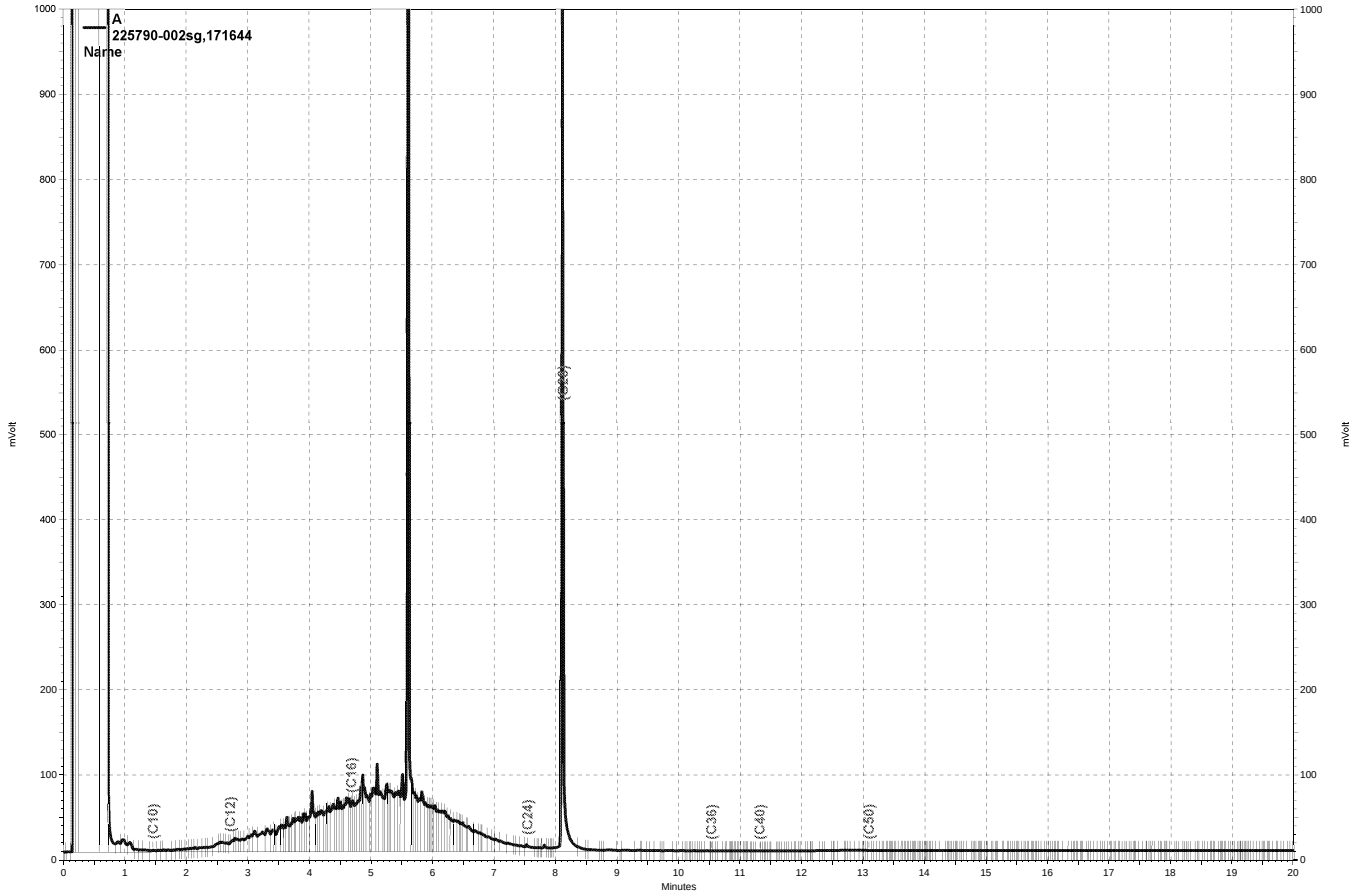

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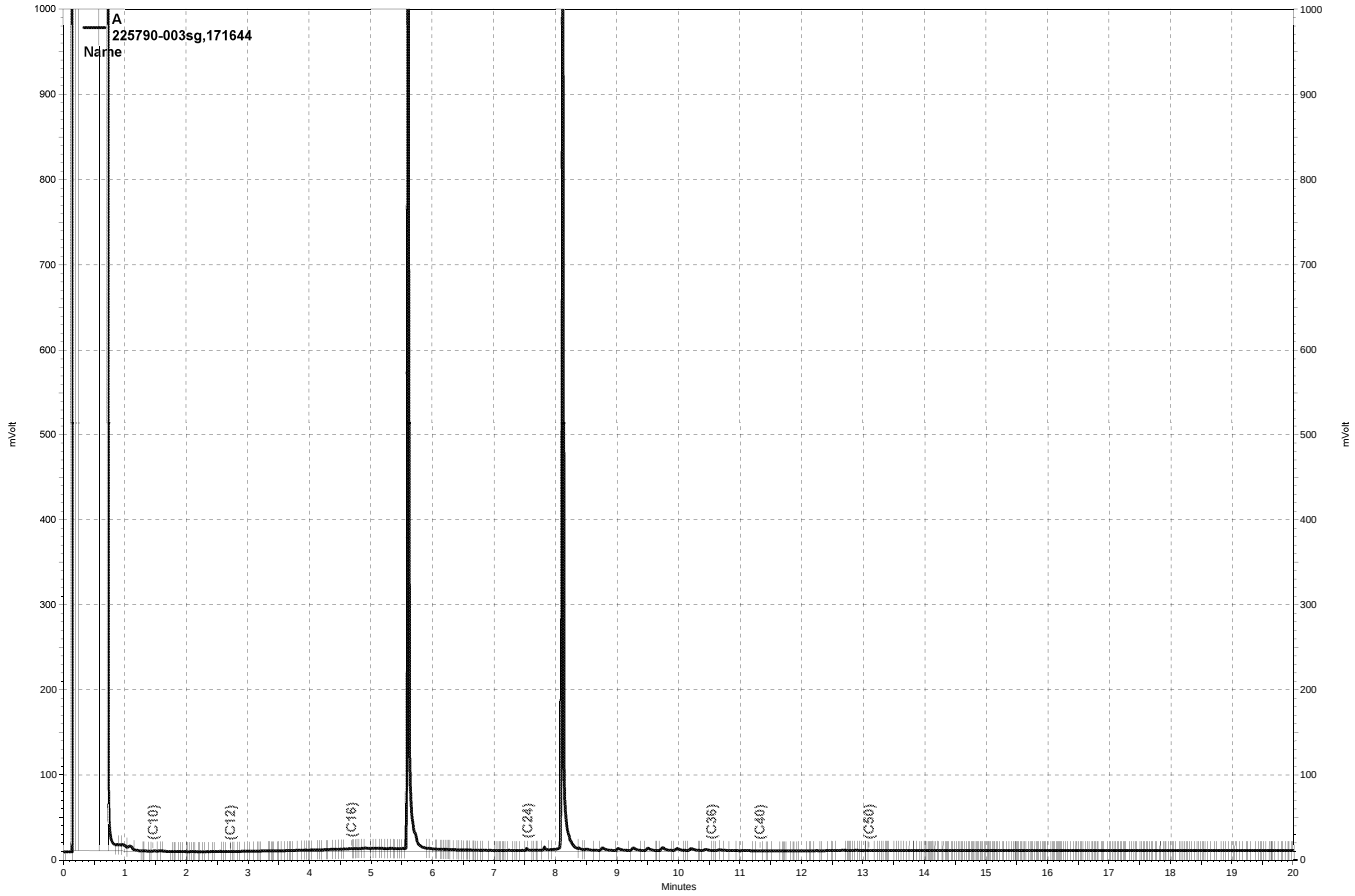

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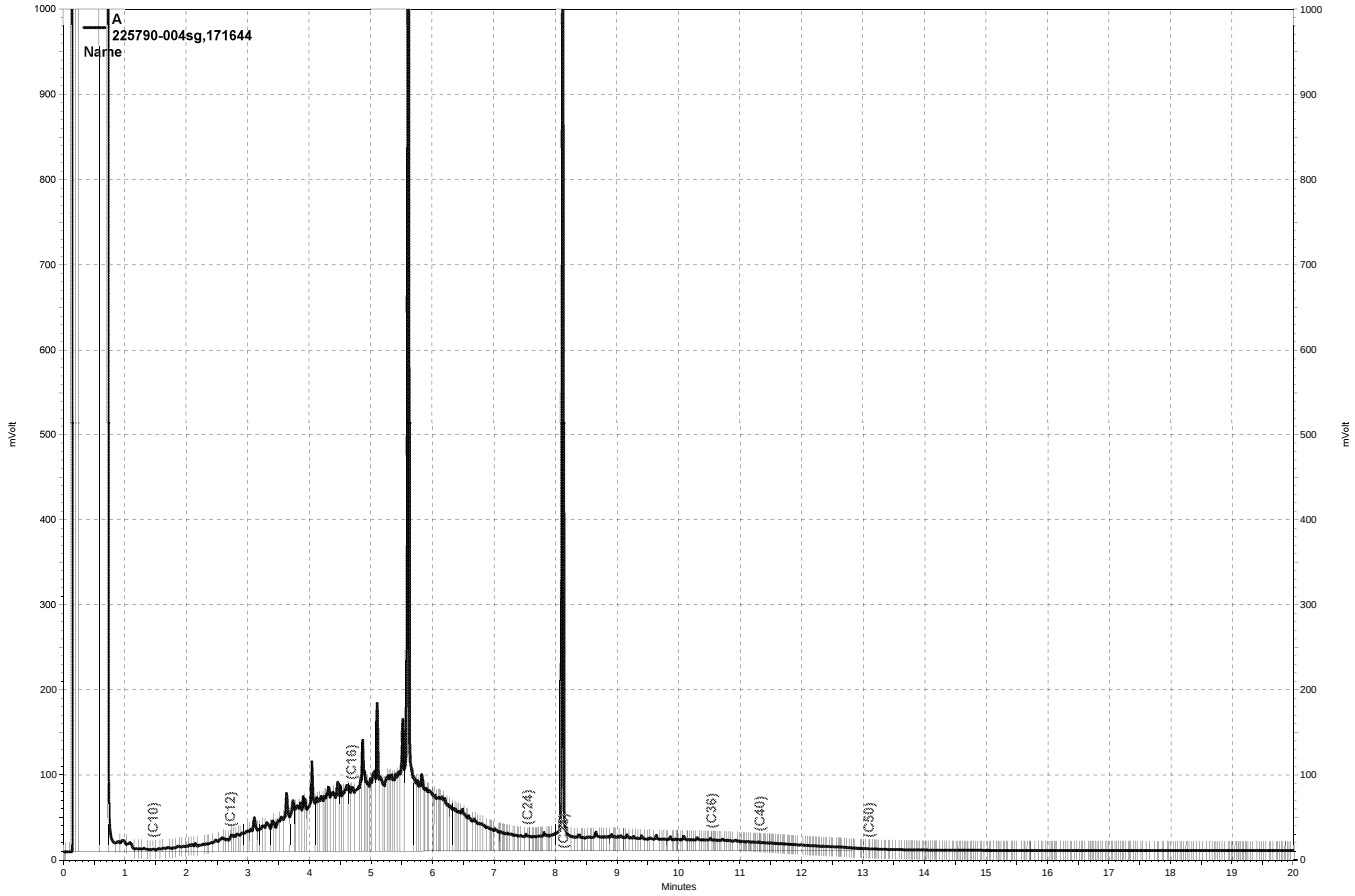

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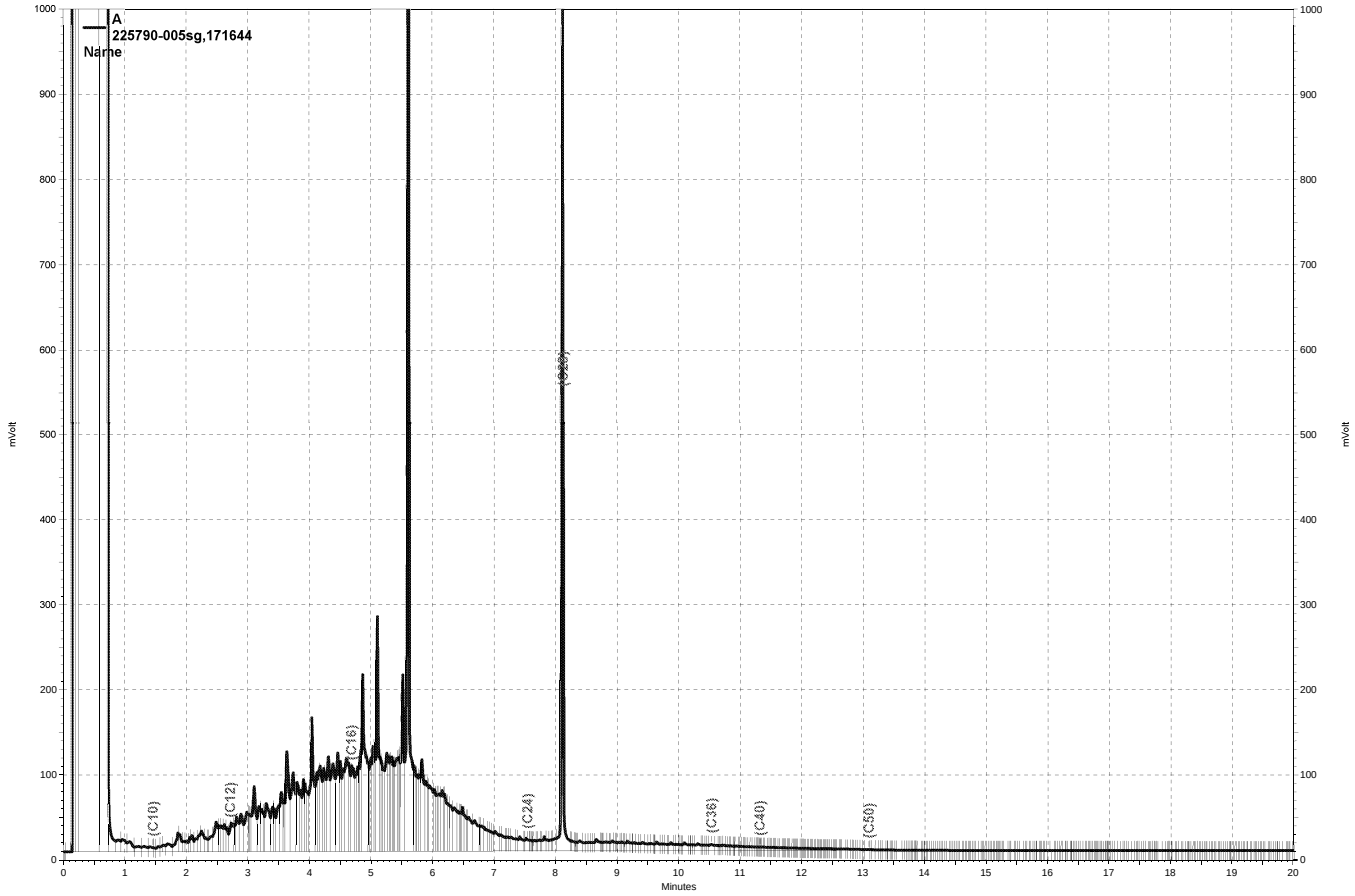

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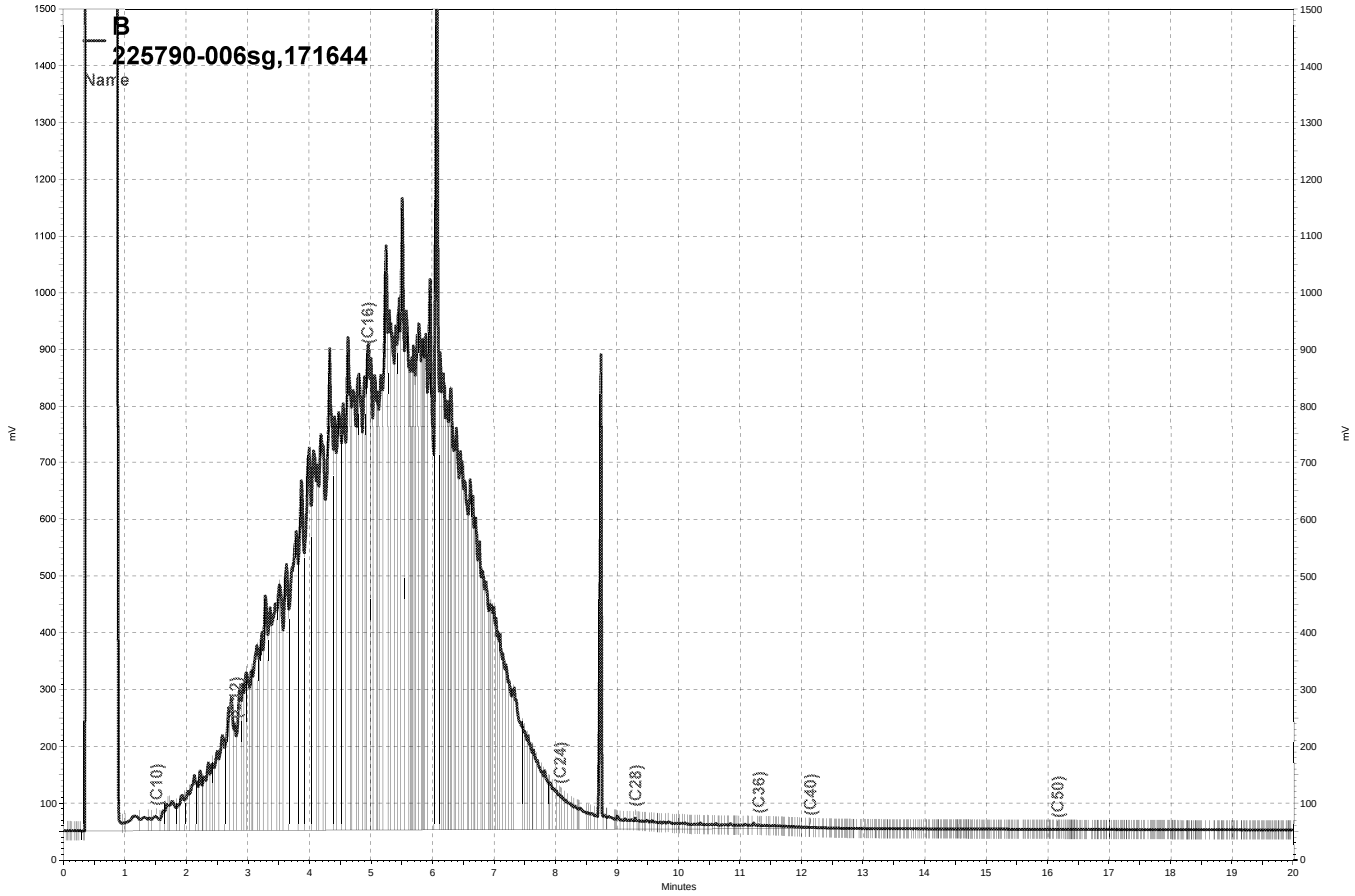

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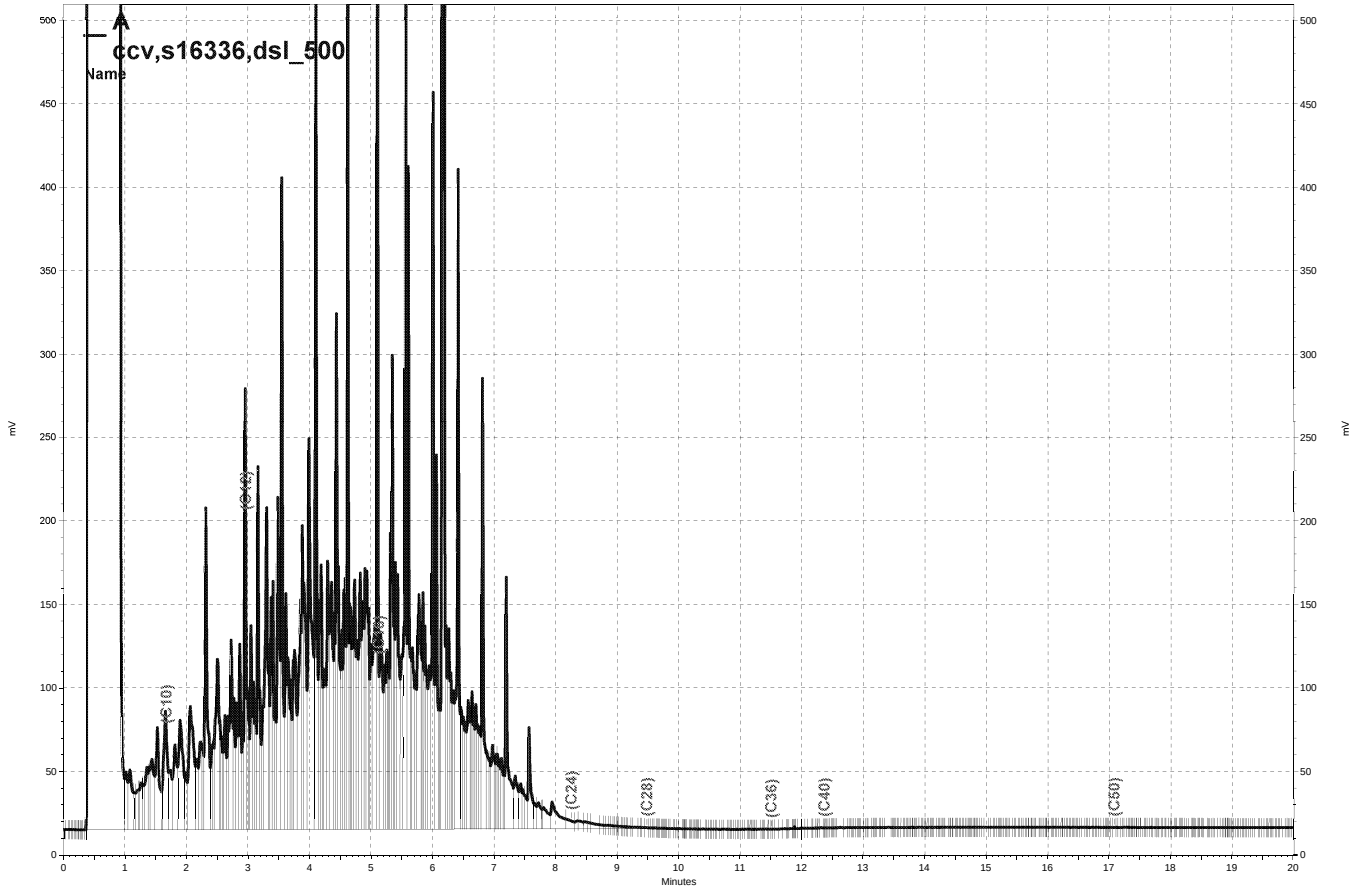

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Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	225790	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-2	Batch#:	171624
Lab ID:	225790-001	Sampled:	02/04/11
Matrix:	Water	Received:	02/04/11
Units:	ug/L	Analyzed:	02/08/11
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,2-Dibromoethane	ND	0.5
1,2-Dichloroethane	ND	0.5
Naphthalene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	99	71-146
Toluene-d8	102	80-120
Bromofluorobenzene	113	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	225790	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-7R	Batch#:	171624
Lab ID:	225790-002	Sampled:	02/04/11
Matrix:	Water	Received:	02/04/11
Units:	ug/L	Analyzed:	02/08/11
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	2.0	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,2-Dibromoethane	ND	0.5
1,2-Dichloroethane	ND	0.5
Naphthalene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	100	71-146
Toluene-d8	102	80-120
Bromofluorobenzene	117	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	225790	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-8	Batch#:	171624
Lab ID:	225790-003	Sampled:	02/04/11
Matrix:	Water	Received:	02/04/11
Units:	ug/L	Analyzed:	02/08/11
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	0.8	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,2-Dibromoethane	ND	0.5
1,2-Dichloroethane	ND	0.5
Naphthalene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	102	71-146
Toluene-d8	101	80-120
Bromofluorobenzene	105	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	225790	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	OW-1	Batch#:	171624
Lab ID:	225790-004	Sampled:	02/04/11
Matrix:	Water	Received:	02/04/11
Units:	ug/L	Analyzed:	02/08/11
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	5.9	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,2-Dibromoethane	ND	0.5
1,2-Dichloroethane	ND	0.5
Naphthalene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	100	71-146
Toluene-d8	102	80-120
Bromofluorobenzene	107	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	225790	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	OW-2	Batch#:	171624
Lab ID:	225790-005	Sampled:	02/04/11
Matrix:	Water	Received:	02/04/11
Units:	ug/L	Analyzed:	02/08/11
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	6.2	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,2-Dibromoethane	ND	0.5
1,2-Dichloroethane	ND	0.5
Naphthalene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	100	71-146
Toluene-d8	102	80-120
Bromofluorobenzene	100	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	225790	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-4	Batch#:	171624
Lab ID:	225790-006	Sampled:	02/04/11
Matrix:	Water	Received:	02/04/11
Units:	ug/L	Analyzed:	02/08/11
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	1.4	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,2-Dibromoethane	ND	0.5
1,2-Dichloroethane	ND	0.5
Naphthalene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	101	71-146
Toluene-d8	101	80-120
Bromofluorobenzene	91	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	225790	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	171624
Units:	ug/L	Analyzed:	02/08/11
Diln Fac:	1.000		

Type: BS Lab ID: QC579164

Analyte	Spiked	Result	%REC	Limits
MTBE	25.00	22.14	89	60-123
Benzene	25.00	24.06	96	80-124
Toluene	25.00	24.18	97	80-120
Ethylbenzene	25.00	24.27	97	80-122
m,p-Xylenes	50.00	49.32	99	80-123
o-Xylene	25.00	24.56	98	80-121
1,2-Dibromoethane	25.00	23.63	95	80-120
1,2-Dichloroethane	25.00	24.18	97	70-136
Naphthalene	25.00	23.10	92	62-133

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	97	71-146
Toluene-d8	100	80-120
Bromofluorobenzene	98	80-120

Type: BSD Lab ID: QC579165

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	25.00	22.20	89	60-123	0	20
Benzene	25.00	24.91	100	80-124	3	20
Toluene	25.00	24.90	100	80-120	3	20
Ethylbenzene	25.00	24.87	99	80-122	2	20
m,p-Xylenes	50.00	51.32	103	80-123	4	20
o-Xylene	25.00	25.48	102	80-121	4	20
1,2-Dibromoethane	25.00	24.25	97	80-120	3	20
1,2-Dichloroethane	25.00	24.23	97	70-136	0	20
Naphthalene	25.00	24.43	98	62-133	6	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	97	71-146
Toluene-d8	100	80-120
Bromofluorobenzene	100	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	225790	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC579166	Batch#:	171624
Matrix:	Water	Analyzed:	02/08/11
Units:	ug/L		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,2-Dibromoethane	ND	0.5
1,2-Dichloroethane	ND	0.5
Naphthalene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	98	71-146
Toluene-d8	101	80-120
Bromofluorobenzene	100	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	225790	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	ZZZZZZZZZZ	Batch#:	171624
MSS Lab ID:	225801-002	Sampled:	02/02/11
Matrix:	Water	Received:	02/03/11
Units:	ug/L	Analyzed:	02/09/11
Diln Fac:	1.000		

Type: MS Lab ID: QC579218

Analyte	MSS Result	Spiked	Result	%REC	Limits
MTBE	12.08	25.00	32.19	80	68-120
Benzene	<0.1000	25.00	24.07	96	80-121
Toluene	<0.1000	25.00	24.96	100	80-120
Ethylbenzene	<0.1000	25.00	25.27	101	80-120
m,p-Xylenes	<0.1309	50.00	54.24	108	80-120
o-Xylene	<0.1000	25.00	26.68	107	80-120
1,2-Dibromoethane	<0.1252	25.00	23.85	95	80-120
1,2-Dichloroethane	<0.1000	25.00	22.41	90	80-132
Naphthalene	<0.1825	25.00	22.77	91	72-125

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	91	71-146
Toluene-d8	100	80-120
Bromofluorobenzene	93	80-120

Type: MSD Lab ID: QC579219

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	25.00	31.58	78	68-120	2	20
Benzene	25.00	23.28	93	80-121	3	20
Toluene	25.00	24.34	97	80-120	3	20
Ethylbenzene	25.00	24.13	97	80-120	5	20
m,p-Xylenes	50.00	51.70	103	80-120	5	20
o-Xylene	25.00	25.55	102	80-120	4	20
1,2-Dibromoethane	25.00	23.70	95	80-120	1	20
1,2-Dichloroethane	25.00	22.18	89	80-132	1	20
Naphthalene	25.00	23.18	93	72-125	2	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	93	71-146
Toluene-d8	100	80-120
Bromofluorobenzene	93	80-120

RPD= Relative Percent Difference


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878

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

Laboratory Job Number 225791
ANALYTICAL REPORT

Stantec	Project : STANDARD
57 Lafayette Circle	Location : 75 Julie Ann Way, Oakland, CA
Lafayette, CA 94549-4321	Level : II

Sample ID	Lab ID
TB	225791-001
MW-1R 9FT	225791-002
MW-1R 18FT	225791-003
MW-7R 9FT	225791-004
MW-7R 18FT	225791-005
MW-1R	225791-006

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 signature. 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: _____ Date: 02/11/2011
Project Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**225791**
Client:	**Stantec**
Location:	**75 Julie Ann Way, Oakland, CA**
Request Date:	**02/04/11**
Samples Received:	**02/04/11**

This data package contains sample and QC results for five water samples, requested for the above referenced project on 02/04/11. The samples were received cold and intact.

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

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

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

BLAINE
TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

22579

CHAIN OF CUSTODY BTS #110203-MW1

CLIENT: Stantec

SITE: 725 Julie Ann Way
Oakland CA

CONDUCT ANALYSIS TO DETECT

LAB: C&T Berkeley DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
- ☐ EPA
- ☐ LIA
- ☐ OTHER
- ☐ RWQCB REGION

SPECIAL INSTRUCTIONS

Invoice and Report to : Stantec

Attn: Eva Hey (925) 299-9300 Ext. 237

eva.hey@stantec.com

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL	mixed	C = COMPOSITE ALL CONTAINERS	TPH-g (8015M)	TPH-d w/SGC (8015M)	BTEX, MTBE, EDC, EDB (8260)	Napthalene (8260B)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
1 TB	2/3/11	0820	W	3	HCl voas									
2 MW-1R 9ft		1120		7	6 HCl voas (2) 500 mL ambers		X	X	X	X				
3 MW-1R 18ft		1135		7			X	X	X	X				
4 MW-7R 9ft		1350		7			X	X	X	X				
5 MW-7R 18ft		1430		8			X	X	X	X				
6 MW-1R		1450		8			X	X	X	X				

SAMPLING COMPLETED	DATE	TIME
	2/3/11	1450

SAMPLING PERFORMED BY: William Woods

RESULTS NEEDED NO LATER THAN: **Standard TAT**

		DATE	TIME			DATE	TIME
RELEASED BY		2/4/11	1355	RECEIVED BY	SAMPLE CUSTODIAN	2/4/11	1355
RELEASED BY		2/4/11	1353	RECEIVED BY		2/4/11	1353
RELEASED BY				RECEIVED BY			

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #	

intact cold RC

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 225791 Date Received 2/4/11 Number of coolers 1
Client Stantec Project 725 Julie Ann Way

Date Opened 2/4/11 By (print) R. Paric (sign)
Date Logged in 2/7/11 By (print) ↓ (sign) ↓

1. Did cooler come with a shipping slip (airbill, etc) YES (NO)
   Shipping info
2A. Were custody seals present? ... ☐ YES (circle) on cooler on samples ☒ NO
   How many Name Date
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) 1.0

☐ 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, Ltd.

Total Volatile Hydrocarbons

Lab #:	225791	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	171687
Units:	ug/L	Sampled:	02/03/11
Diln Fac:	1.000	Received:	02/04/11

Field ID: MW-1R 9FT
Type: SAMPLE
Lab ID: 225791-002
Analyzed: 02/10/11

Analyte	Result	RL
Gasoline C7-C12	97 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	102	75-130

Field ID: MW-1R 18FT
Type: SAMPLE
Lab ID: 225791-003
Analyzed: 02/10/11

Analyte	Result	RL
Gasoline C7-C12	98 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	104	75-130

Field ID: MW-7R 9FT
Type: SAMPLE
Lab ID: 225791-004
Analyzed: 02/10/11

Analyte	Result	RL
Gasoline C7-C12	60 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	105	75-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	225791	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	171687
Units:	ug/L	Sampled:	02/03/11
Diln Fac:	1.000	Received:	02/04/11

Field ID: MW-7R 18FT
Type: SAMPLE
Lab ID: 225791-005
Analyzed: 02/10/11

Analyte	Result	RL
Gasoline C7-C12	59 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	105	75-130

Field ID: MW-1R
Type: SAMPLE
Lab ID: 225791-006
Analyzed: 02/10/11

Analyte	Result	RL
Gasoline C7-C12	110 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	99	75-130

Type: BLANK
Lab ID: QC579419
Analyzed: 02/09/11

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	100	75-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	225791	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC579418	Batch#:	171687
Matrix:	Water	Analyzed:	02/09/11
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	888.1	89	75-126

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	95	75-130

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	225791	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	171687
MSS Lab ID:	225801-002	Sampled:	02/02/11
Matrix:	Water	Received:	02/03/11
Units:	ug/L	Analyzed:	02/09/11
Diln Fac:	1.000		

Type: MS Lab ID: QC579420

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	30.58	2,000	1,879	92	68-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	106	75-130

Type: MSD Lab ID: QC579421

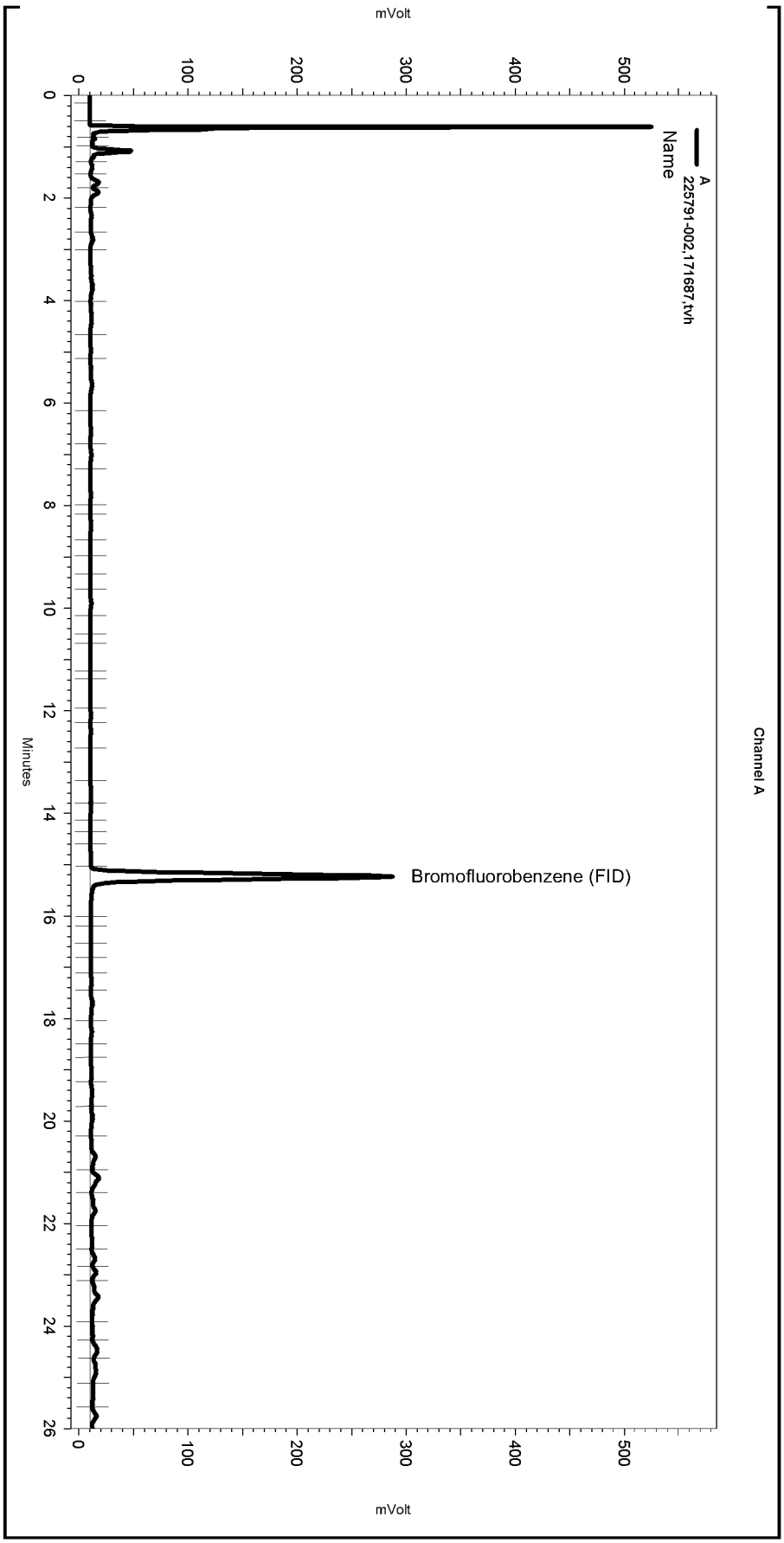
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,873	92	68-120	0	26

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	107	75-130

RPD= Relative Percent Difference

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\040.seq**
Sample Name: **225791-002,171687,tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\040-020**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe013.met

Software Version 3.1.7
Run Date: 2/10/2011 12:53:43 AM
Analysis Date: 2/10/2011 12:23:00 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: d1.0



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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

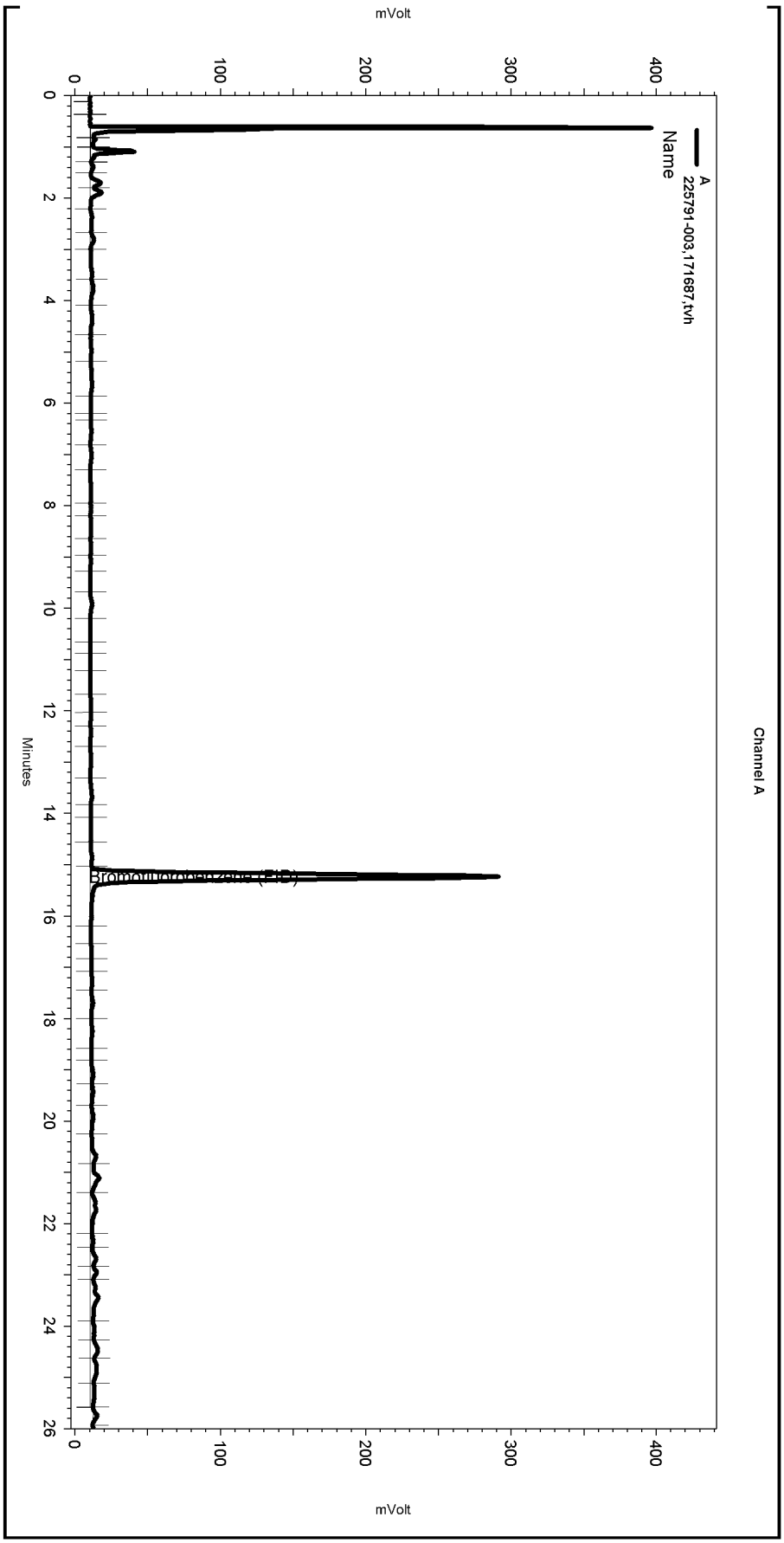
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\040-020

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.263	25.899	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\040.seq**
Sample Name: **225791-003,171687,tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\040-021**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe013.met

Software Version 3.1.7
Run Date: 2/10/2011 1:32:04 AM
Analysis Date: 2/10/2011 12:23:51 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: d1.0



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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

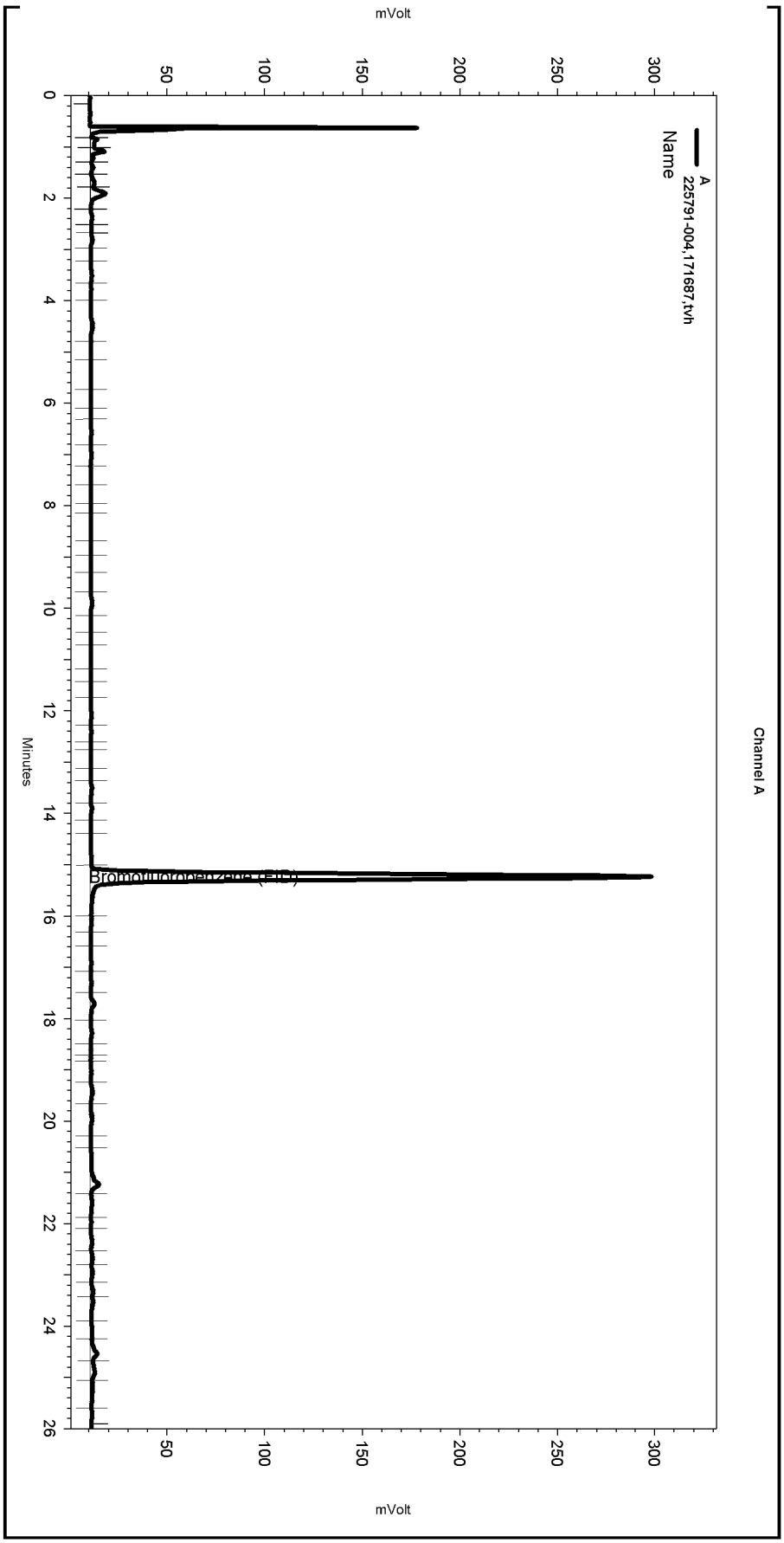
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\040-021

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.469	25.686	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\040.seq**
Sample Name: **225791-004,171687,tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\040-022**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe013.met

Software Version 3.1.7
Run Date: 2/10/2011 2:10:37 AM
Analysis Date: 2/10/2011 12:24:51 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: d1.0



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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

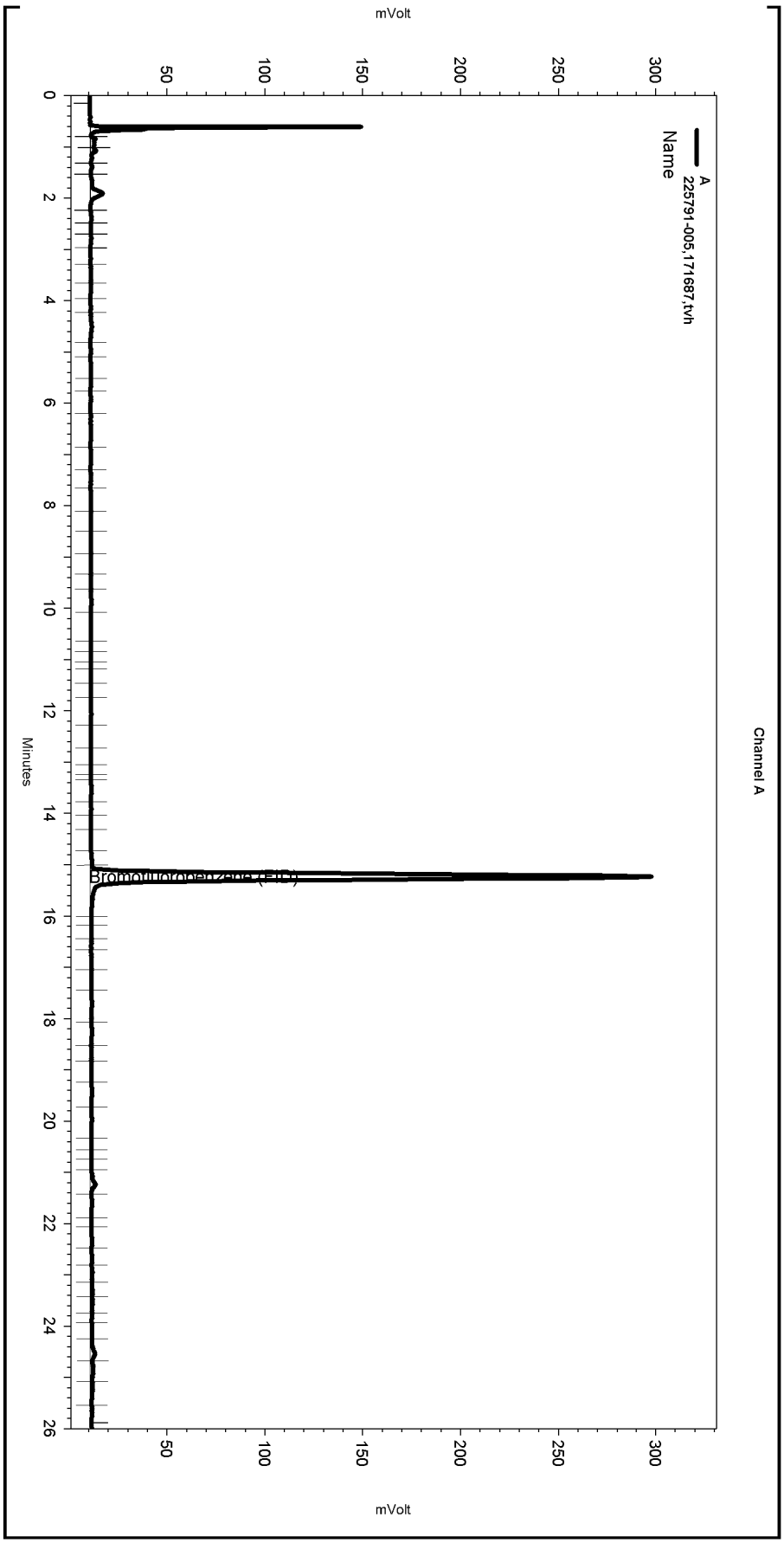
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\040-022

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.236	25.872	0
Yes	Split Peak	15.017	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\040.seq**
Sample Name: **225791-005,171687,tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\040-023**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe013.met

Software Version 3.1.7
Run Date: 2/10/2011 2:49:05 AM
Analysis Date: 2/10/2011 12:25:41 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: d1.0



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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

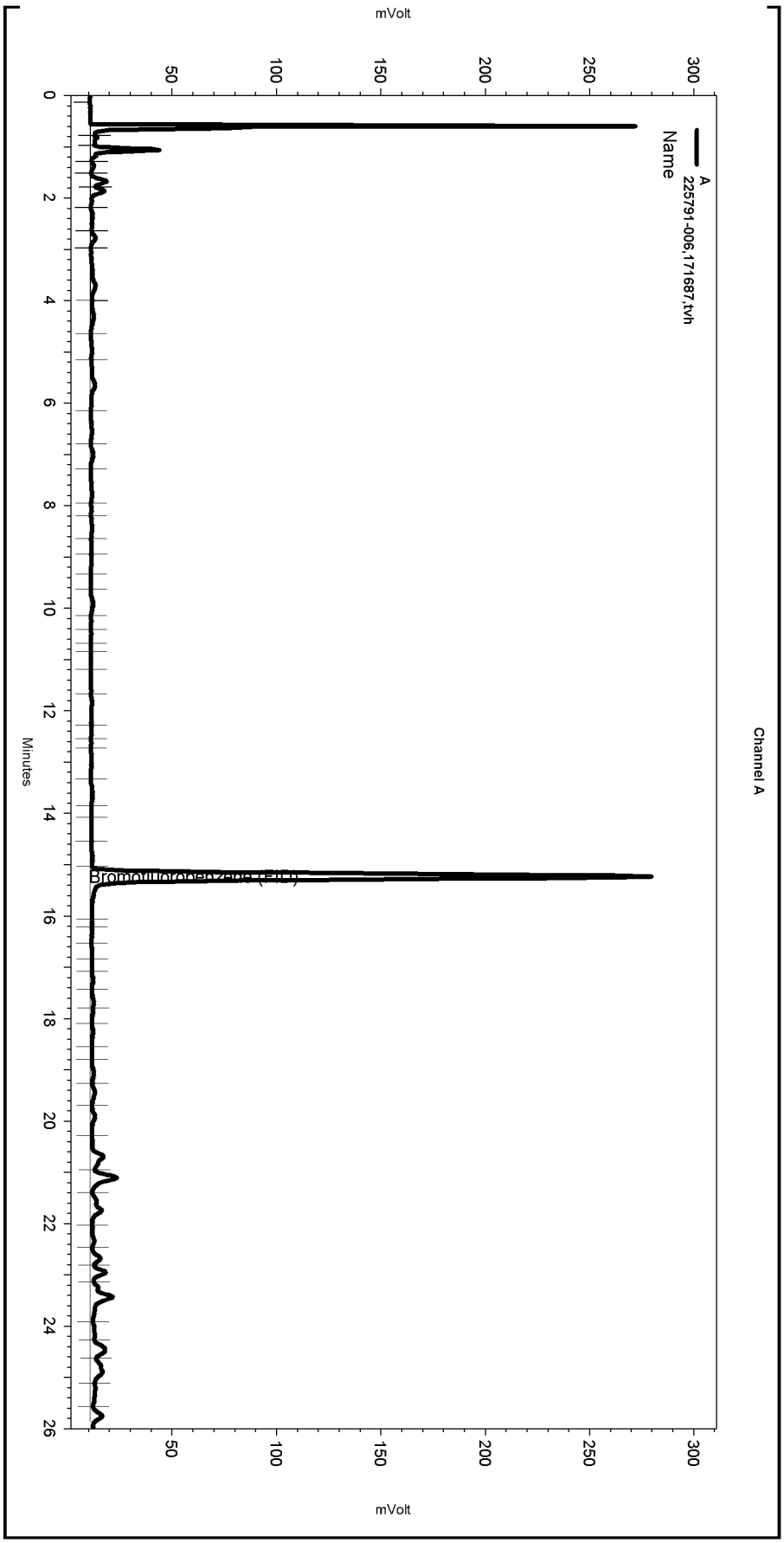
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\040-023

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.409	25.82	0
Yes	Split Peak	15.017	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\040.seq**
Sample Name: **225791-006,171687,tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\040-024**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe013.met

Software Version 3.1.7
Run Date: 2/10/2011 3:27:43 AM
Analysis Date: 2/10/2011 12:26:26 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: c1.0



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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

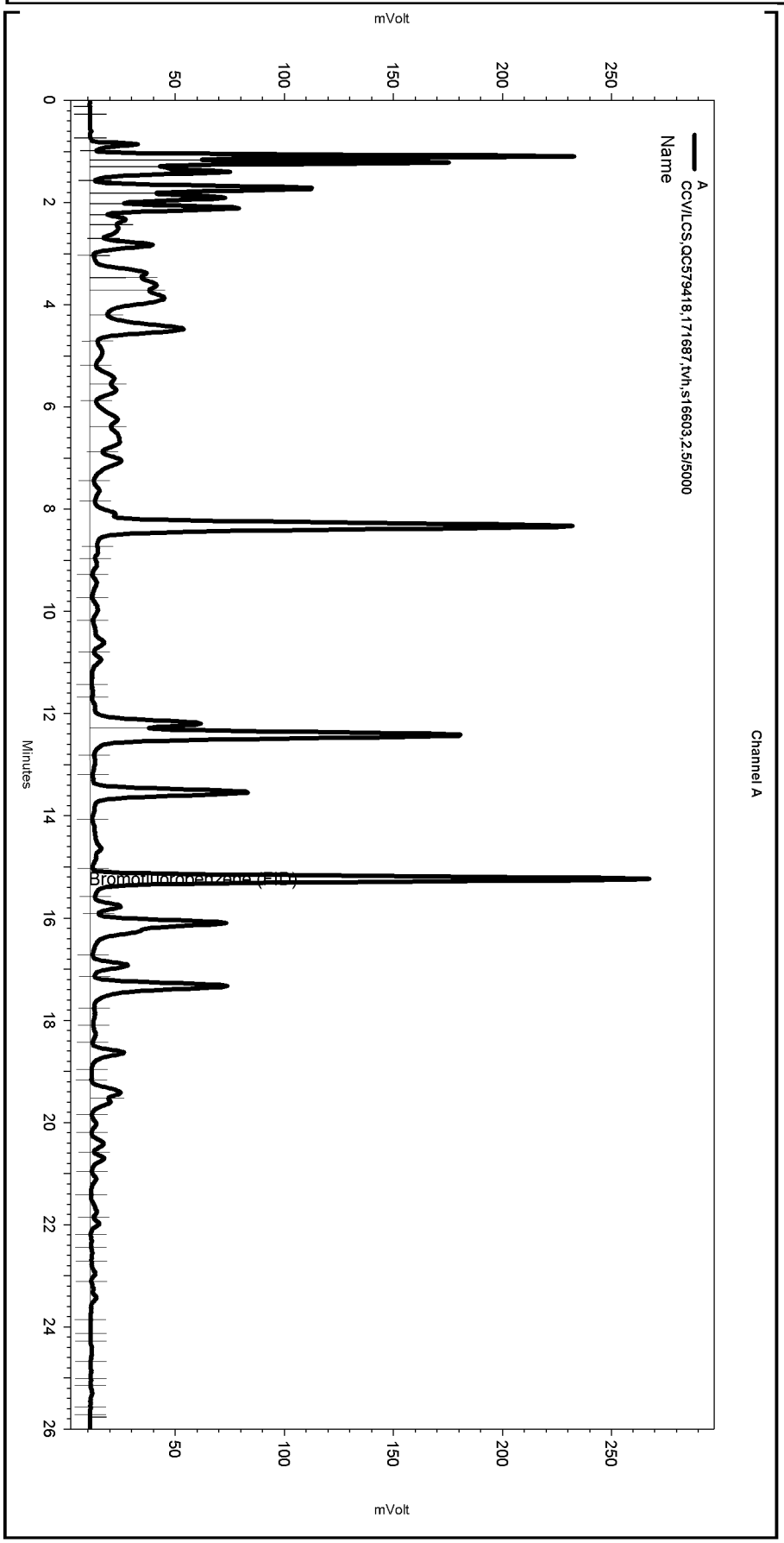
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\040-024

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.255	25.872	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\040.seq**
Sample Name: **CCV/LCS,QC579418,171687,tvh,s16603,2.5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\040-003**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe013.met

Software Version 3.1.7
Run Date: 2/9/2011 12:43:49 PM
Analysis Date: 2/9/2011 3:25:03 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: {Data Description}



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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\040-003

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

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	225791	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	02/03/11
Units:	ug/L	Received:	02/04/11
Diln Fac:	1.000	Prepared:	02/08/11
Batch#:	171644	Analyzed:	02/09/11

Field ID: MW-1R 9FT
Type: SAMPLE
Lab ID: 225791-002
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	420	50

Surrogate	%REC	Limits
o-Terphenyl	69	60-129

Field ID: MW-1R 18FT
Type: SAMPLE
Lab ID: 225791-003
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	860	50

Surrogate	%REC	Limits
o-Terphenyl	82	60-129

Field ID: MW-7R 9FT
Type: SAMPLE
Lab ID: 225791-004
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	690	50

Surrogate	%REC	Limits
o-Terphenyl	85	60-129

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	225791	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	02/03/11
Units:	ug/L	Received:	02/04/11
Diln Fac:	1.000	Prepared:	02/08/11
Batch#:	171644	Analyzed:	02/09/11

Field ID: MW-7R 18FT
Type: SAMPLE
Lab ID: 225791-005
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	430	50

Surrogate	%REC	Limits
o-Terphenyl	90	60-129

Field ID: MW-1R
Type: SAMPLE
Lab ID: 225791-006
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	910	50

Surrogate	%REC	Limits
o-Terphenyl	87	60-129

Type: BLANK
Lab ID: QC579237
Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	69	60-129

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	225791	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	171644
Units:	ug/L	Prepared:	02/08/11
Diln Fac:	1.000	Analyzed:	02/09/11

Type: BS
Lab ID: QC579238

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,550	62	53-128

Surrogate	%REC	Limits
o-Terphenyl	71	60-129

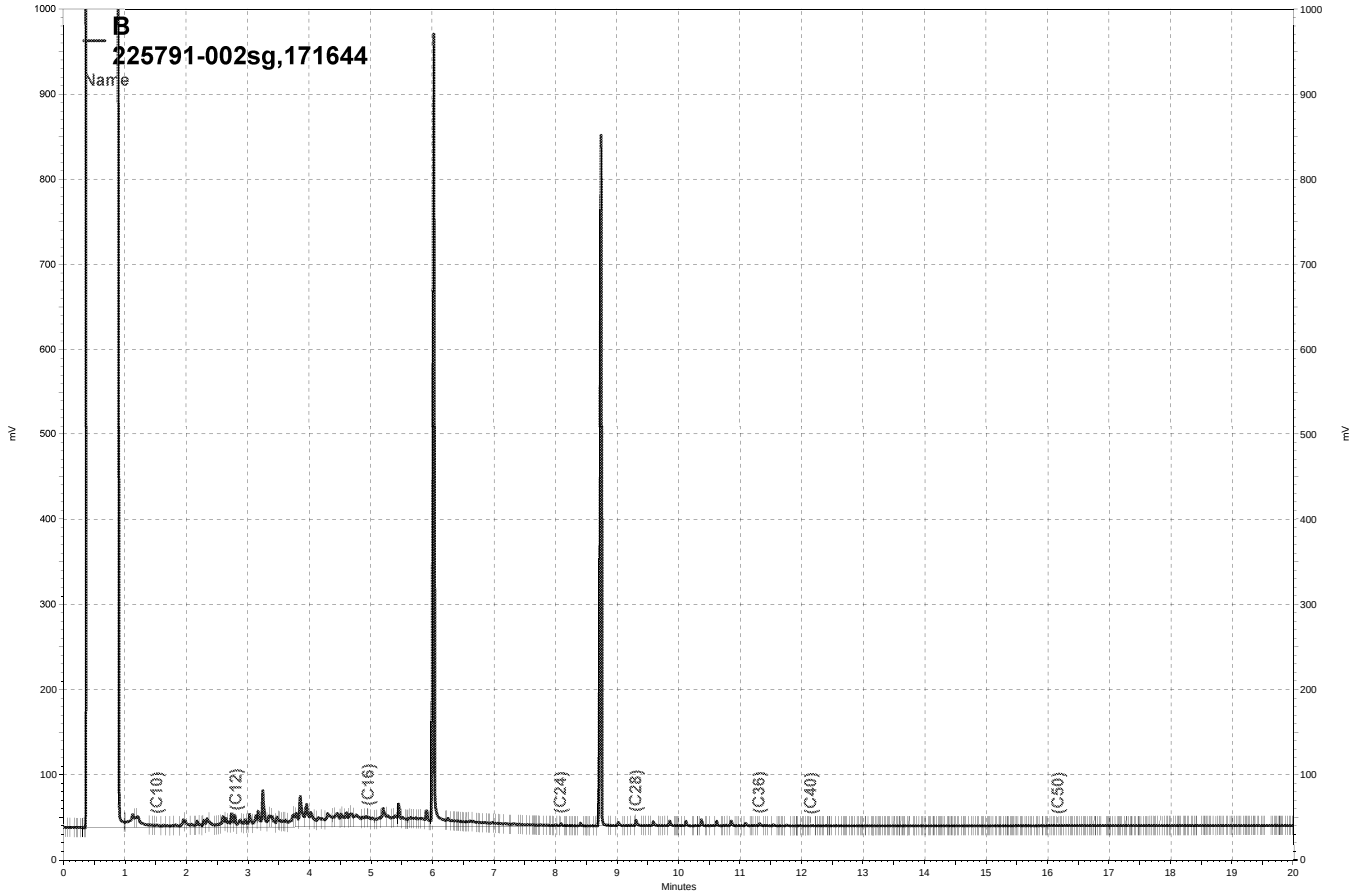
Type: BSD
Lab ID: QC579239

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	1,680	67	53-128	8	48

Surrogate	%REC	Limits
o-Terphenyl	78	60-129

RPD= Relative Percent Difference



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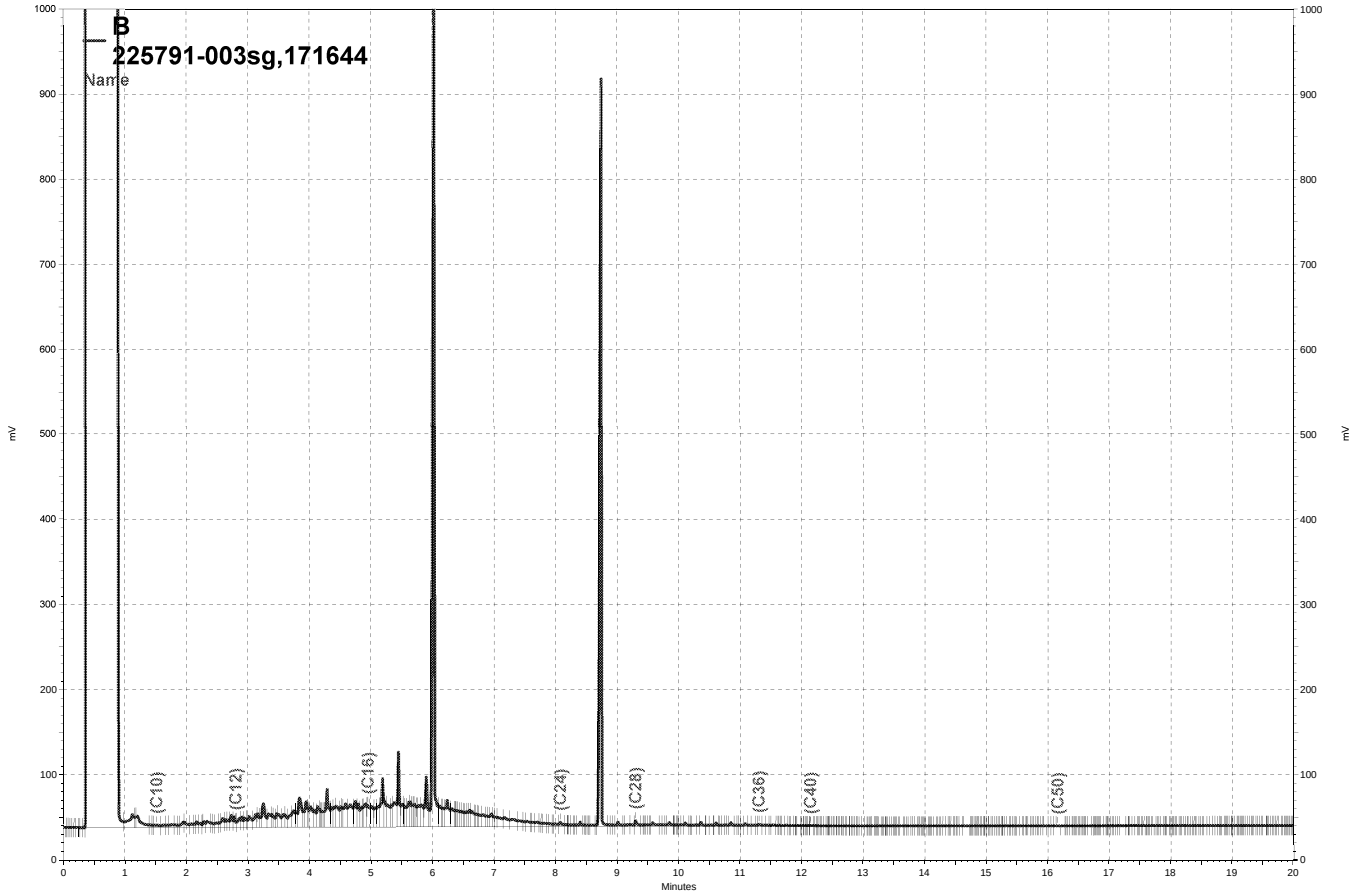

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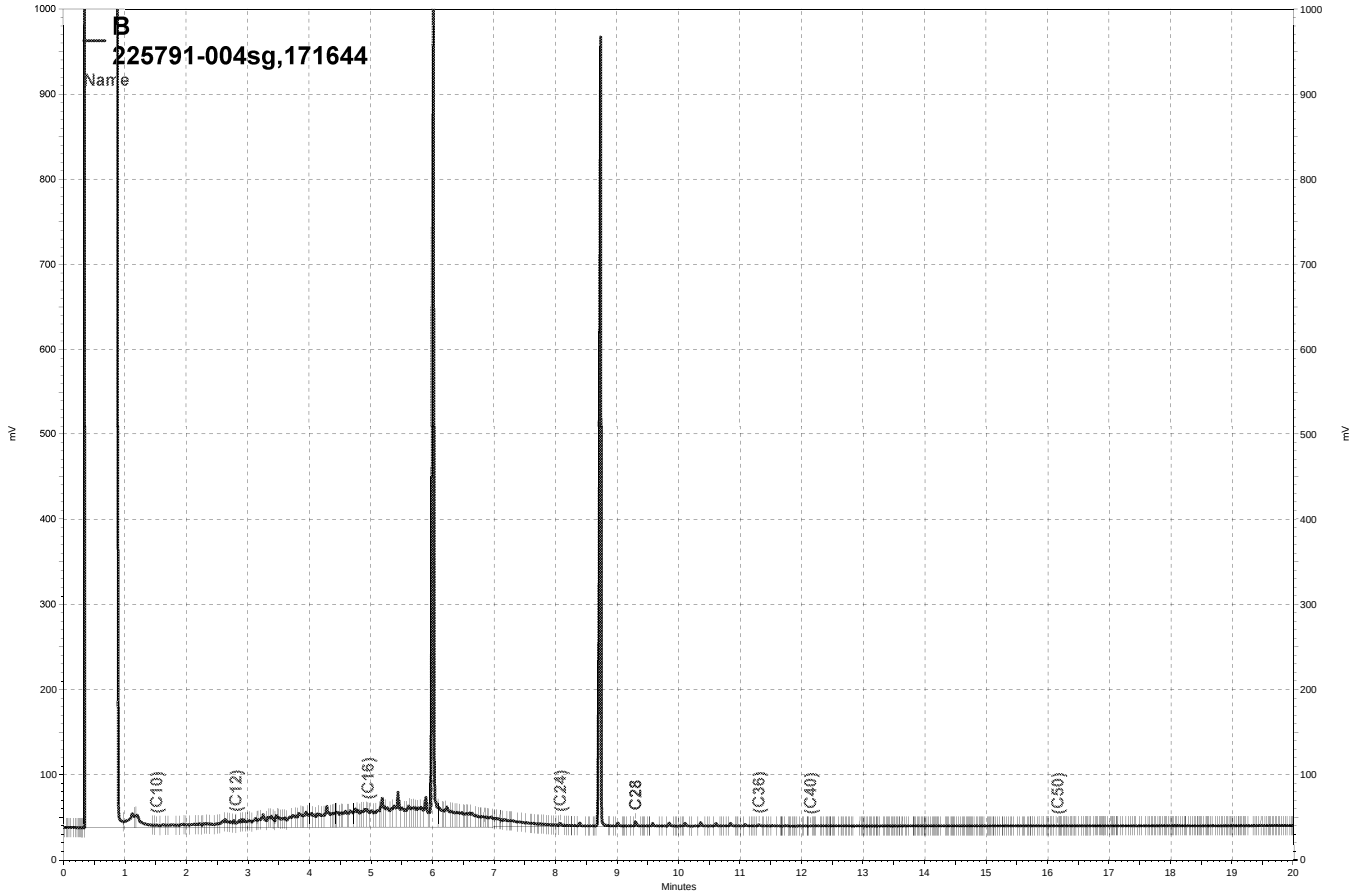

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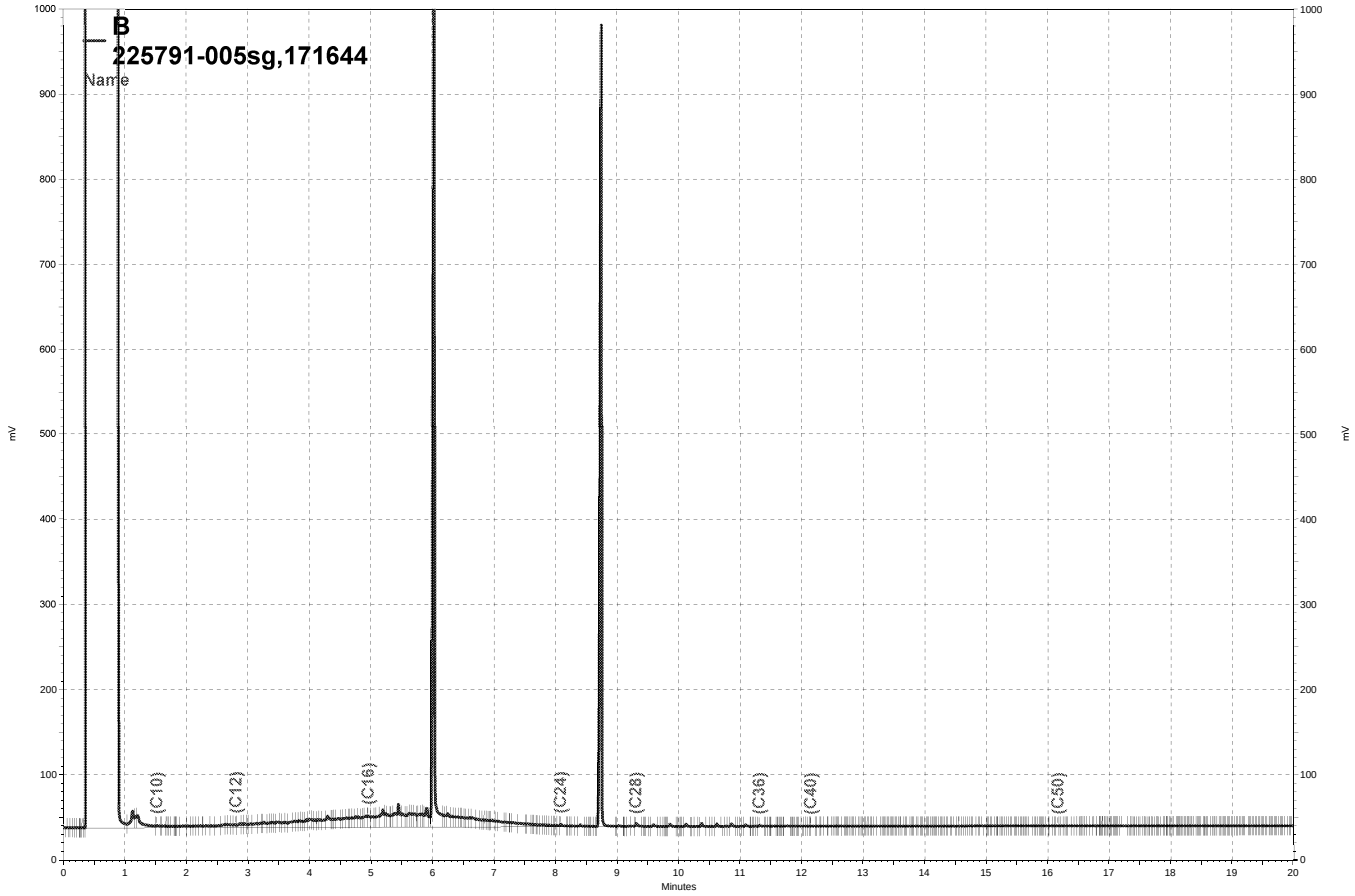

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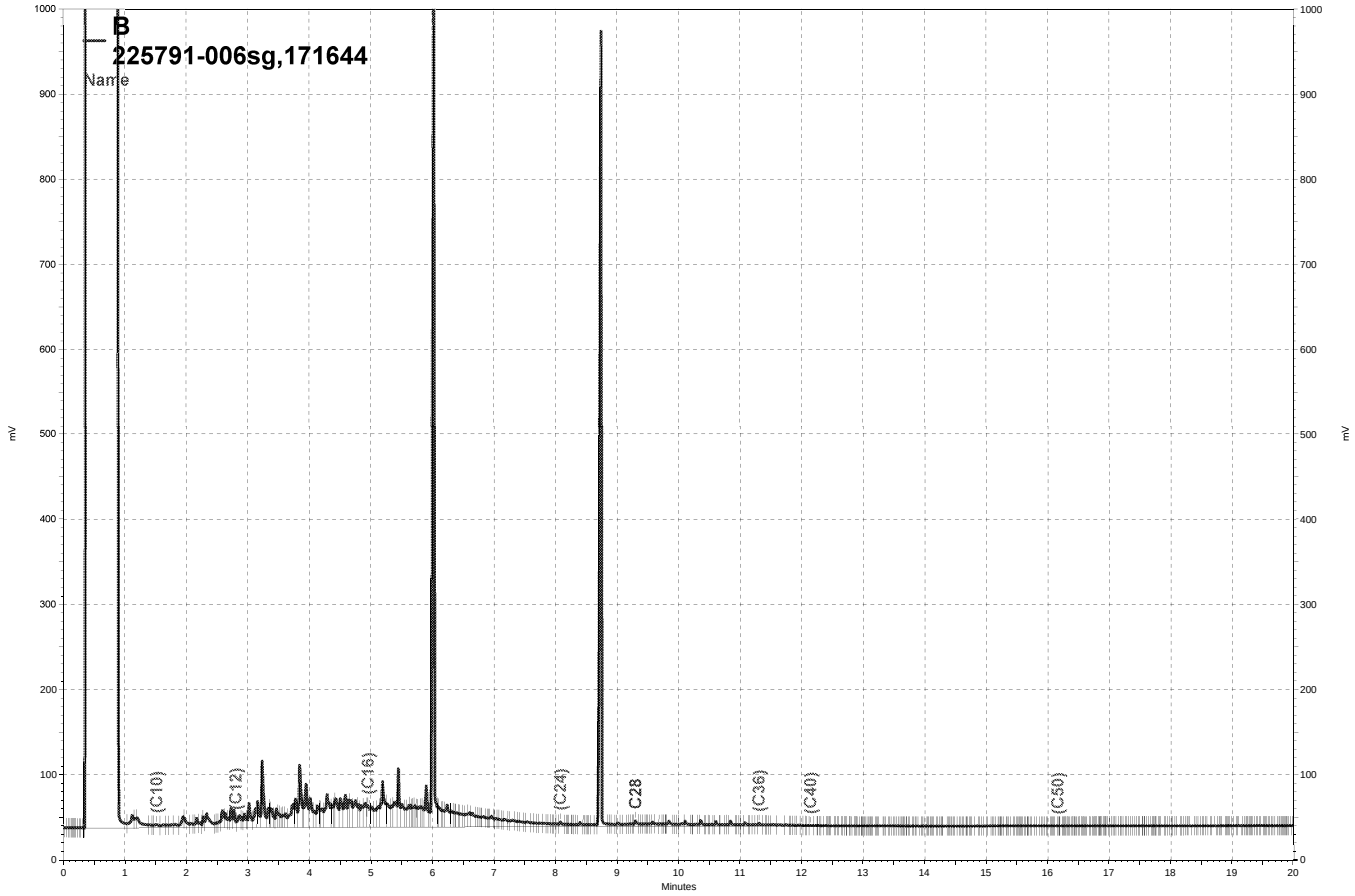

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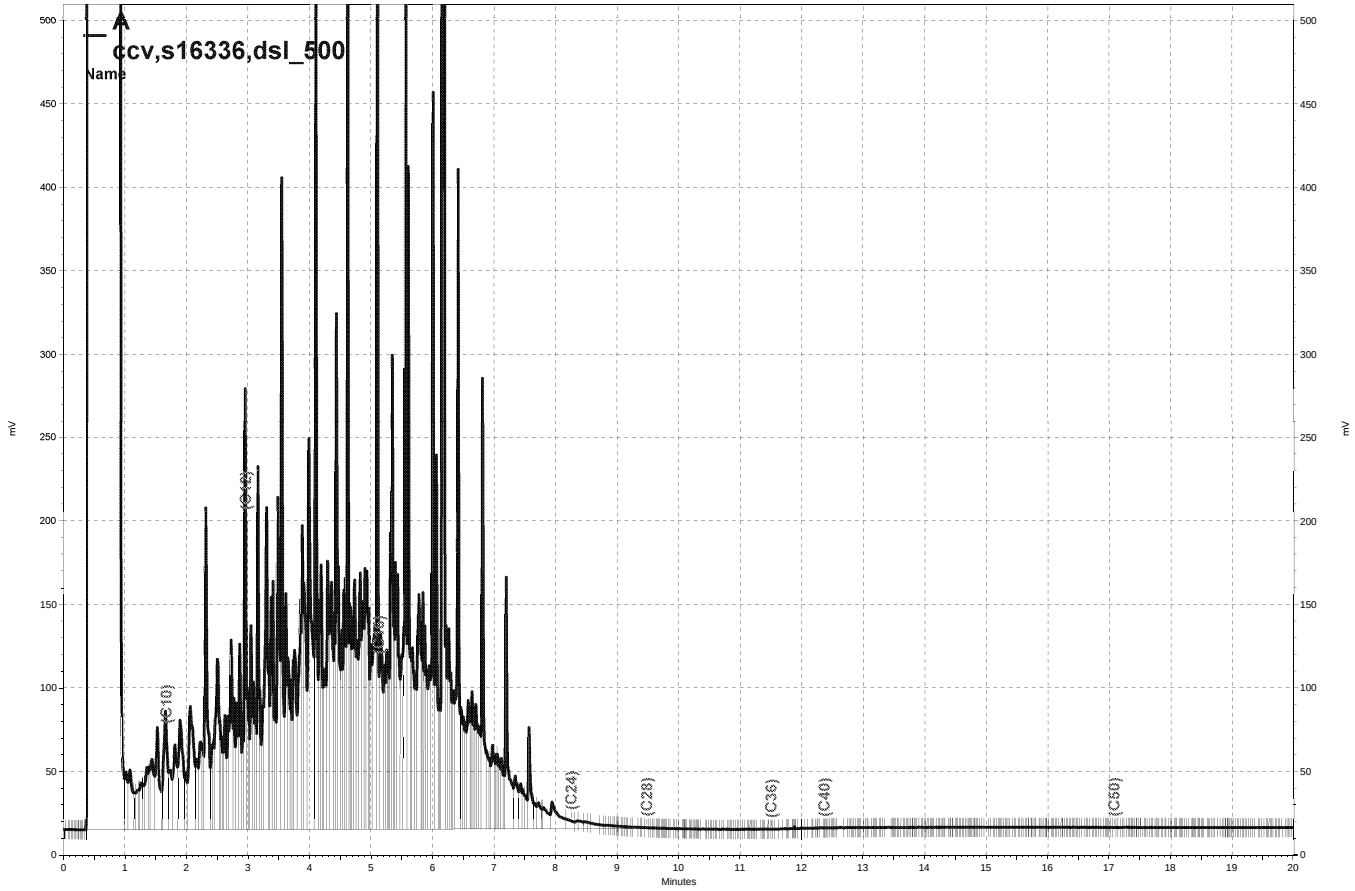

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Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	225791	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-1R 9FT	Batch#:	171625
Lab ID:	225791-002	Sampled:	02/03/11
Matrix:	Water	Received:	02/04/11
Units:	ug/L	Analyzed:	02/08/11
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,2-Dibromoethane	ND	0.5
1,2-Dichloroethane	ND	0.5
Naphthalene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	91	71-146
Toluene-d8	98	80-120
Bromofluorobenzene	103	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	225791	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-1R 18FT	Batch#:	171625
Lab ID:	225791-003	Sampled:	02/03/11
Matrix:	Water	Received:	02/04/11
Units:	ug/L	Analyzed:	02/08/11
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,2-Dibromoethane	ND	0.5
1,2-Dichloroethane	ND	0.5
Naphthalene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	89	71-146
Toluene-d8	98	80-120
Bromofluorobenzene	101	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	225791	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-7R 9FT	Batch#:	171625
Lab ID:	225791-004	Sampled:	02/03/11
Matrix:	Water	Received:	02/04/11
Units:	ug/L	Analyzed:	02/08/11
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	1.9	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,2-Dibromoethane	ND	0.5
1,2-Dichloroethane	ND	0.5
Naphthalene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	88	71-146
Toluene-d8	95	80-120
Bromofluorobenzene	98	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	225791	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-7R 18FT	Batch#:	171625
Lab ID:	225791-005	Sampled:	02/03/11
Matrix:	Water	Received:	02/04/11
Units:	ug/L	Analyzed:	02/08/11
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	2.0	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,2-Dibromoethane	ND	0.5
1,2-Dichloroethane	ND	0.5
Naphthalene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	90	71-146
Toluene-d8	100	80-120
Bromofluorobenzene	101	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Aromatics by GC/MS

Lab #:	225791	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Field ID:	MW-1R	Batch#:	171625
Lab ID:	225791-006	Sampled:	02/03/11
Matrix:	Water	Received:	02/04/11
Units:	ug/L	Analyzed:	02/08/11
Diln Fac:	1.000		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,2-Dibromoethane	ND	0.5
1,2-Dichloroethane	ND	0.5
Naphthalene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	87	71-146
Toluene-d8	101	80-120
Bromofluorobenzene	97	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	225791	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	171625
Units:	ug/L	Analyzed:	02/08/11
Diln Fac:	1.000		

Type: BS Lab ID: QC579167

Analyte	Spiked	Result	%REC	Limits
MTBE	25.00	23.62	94	60-123
Benzene	25.00	26.08	104	80-124
Toluene	25.00	26.33	105	80-120
Ethylbenzene	25.00	26.75	107	80-122
m,p-Xylenes	50.00	54.61	109	80-123
o-Xylene	25.00	27.34	109	80-121
1,2-Dibromoethane	25.00	23.94	96	80-120
1,2-Dichloroethane	25.00	22.08	88	70-136
Naphthalene	25.00	31.42	126	62-133

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	88	71-146
Toluene-d8	96	80-120
Bromofluorobenzene	98	80-120

Type: BSD Lab ID: QC579168

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	25.00	23.35	93	60-123	1	20
Benzene	25.00	25.05	100	80-124	4	20
Toluene	25.00	24.41	98	80-120	8	20
Ethylbenzene	25.00	25.74	103	80-122	4	20
m,p-Xylenes	50.00	53.81	108	80-123	1	20
o-Xylene	25.00	26.61	106	80-121	3	20
1,2-Dibromoethane	25.00	23.48	94	80-120	2	20
1,2-Dichloroethane	25.00	21.67	87	70-136	2	20
Naphthalene	25.00	32.62	130	62-133	4	20

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	88	71-146
Toluene-d8	97	80-120
Bromofluorobenzene	99	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Purgeable Aromatics by GC/MS

Lab #:	225791	Location:	75 Julie Ann Way, Oakland, CA
Client:	Stantec	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC579169	Batch#:	171625
Matrix:	Water	Analyzed:	02/08/11
Units:	ug/L		

Analyte	Result	RL
MTBE	ND	0.5
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
1,2-Dibromoethane	ND	0.5
1,2-Dichloroethane	ND	0.5
Naphthalene	ND	0.5

Surrogate	%REC	Limits
1,2-Dichloroethane-d4	86	71-146
Toluene-d8	100	80-120
Bromofluorobenzene	102	80-120

ND= Not Detected
RL= Reporting Limit