

April 30, 2012

Mr. Jerry Wickham
Hazardous Materials Specialist
Alameda County Environmental Health Department
Local Oversight Program
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

RECEIVED

3:57 pm, May 23, 2012

Alameda County
Environmental Health

Subject: First Semiannual 2012 Groundwater Monitoring Letter Report
Oakland Auto Works Facility – 240 W. MacArthur Boulevard, Oakland, California
Alameda County Environmental Health Department Fuel Leak Case No. RO0000142

Dear Mr. Wickham:

Enclosed is the Stellar Environmental Solutions, Inc. (Stellar Environmental) report summarizing recent activities conducted at the referenced site. This report summarizes the findings of the First Semiannual 2012 groundwater monitoring event (the 47th site groundwater monitoring event since August 1997).

Quarterly groundwater monitoring conducted since August 1997 has adequately shown the groundwater and contaminant trends. Subsequently, as of January 2009, Alameda County Environmental Health Department (ACEH) in concurrence with Stellar Environmental has reduced the monitoring frequency from a quarterly to a semiannual basis with abbreviated reporting in Q1 and an annual summary to be completed in Q3. The hydrologic regime and groundwater contaminant plume geometry is typical of what has been observed in previous monitoring events.

The groundwater hydrology at the site in this monitoring period showed typical evidence of seasonal recharge in the 25-foot deep wells consistent with this year's significantly lower than average rainfall. Groundwater measurements collected from the four 25 foot deep site wells (MW-1, MW-2, MW-3 and MW-4) showed these wells had a groundwater elevation rise that averaged 2.4 feet compared to September 2011, but significantly lower than years of average annual rainfall. Only one of the four shallow 20 foot deep wells (offsite well MW-8) had sufficient water to be gauged and sampled. It is typical for these shallow wells would be dry due to below normal 2011-2012 rainfall season.

Stellar Environmental Solution, Inc.

Mr. Jerry Wickham
Alameda County Environmental Health Department
April 30, 2012
Page 2 of 2

The responsible party has received a copy of the ACEH's Notice of Enforcement referral letter, dated March 21, 2012, sent to the Water Board. Stellar Environmental has continuously recommended to the property owner that they implement the soil vapor extraction remedy as soon as possible and the property owner is currently researching the necessary financing. The current lower water levels due to the drought conditions will be advantageous to maximizing the effectiveness of the approved vapor extraction remedy. A second semiannual monitoring is scheduled for September 2012. Following that monitoring event an Annual Groundwater Monitoring Report will be completed that presents data trend analyses and figures.

This letter report and data was uploaded to both the State Water Board's GeoTracker system and the ACEH electronic upload "ftp" system.

We declare, under penalty of perjury, that the information and/or recommendations contained in this report and attached documents are true and correct to the best of our knowledge.

If you have any questions regarding this report, please contact us at (510) 644-3123.

Sincerely,



Henry Pietropaoli, P.G
Principal Geologist



Mr. Glen Poy-Wing
Property owner and Responsible Party



Richard Makdisi, P.G., R.E.A.
Principal Geochemist & President



cc: Mr. Glen Poy-Wing, property owner and responsible party

Attachments: Figures 1- 8;
Tables C1,C2 and D1;
Field sampling reports, certified analytical laboratory report and COC record

FIGURES



3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 | 1500 ft Scale: 1 : 50,000 Detail: 12-0 Datum: WGS84



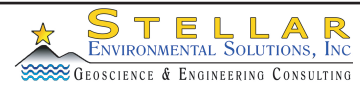
SITE LOCATION ON U.S.G.S. TOPOGRAPHIC MAP

**240 W. MacArthur Blvd.
Oakland, CA**

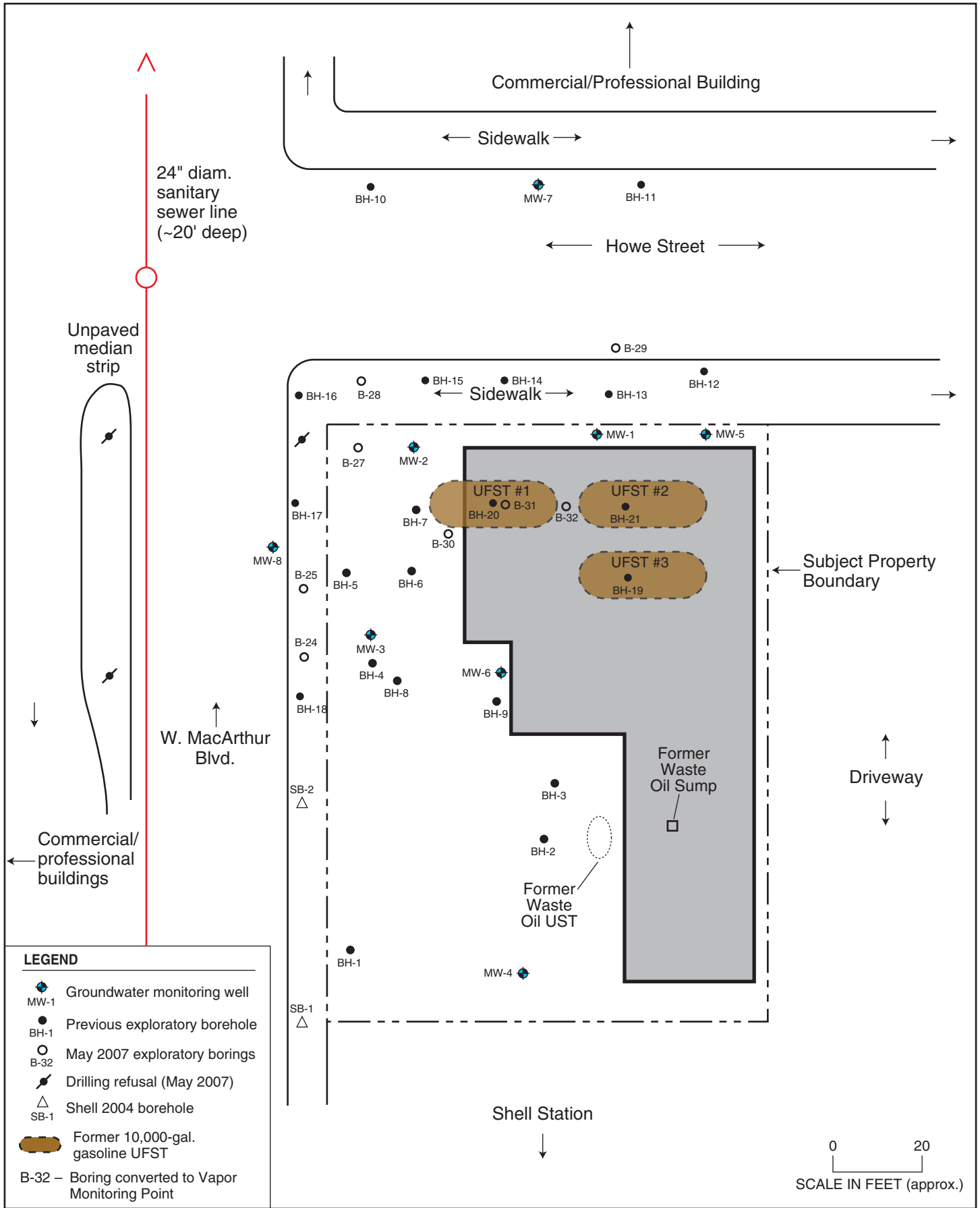
By: MJC

APRIL 2007

Figure 1



2008-43-01



SITE PLAN WITH BOREHOLE AND GROUNDWATER WELL LOCATIONS

240 W. MacArthur Blvd.
Oakland, CA

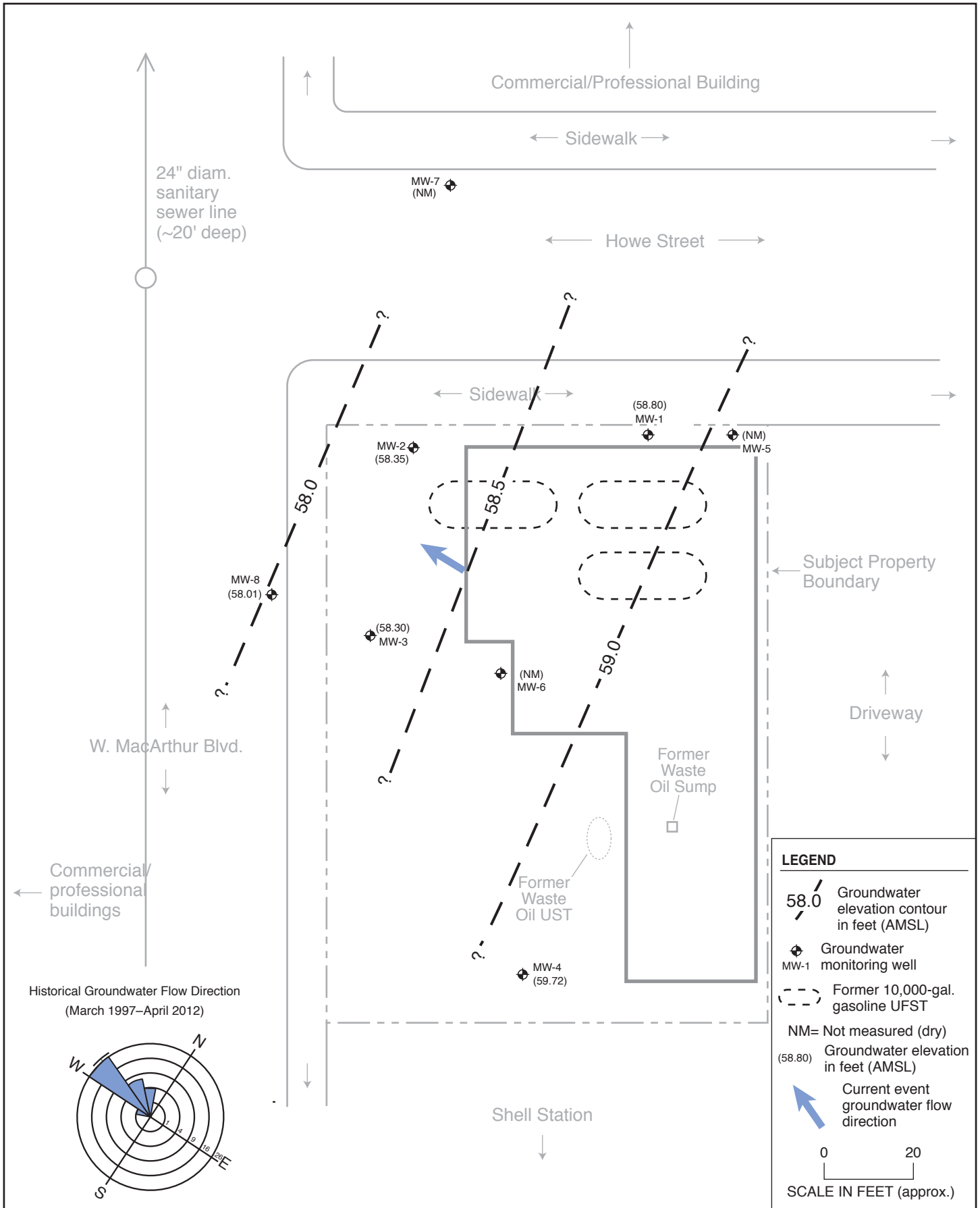
By: MJC

DECEMBER 2010

Figure 2



2008-43-155



GROUNDWATER ELEVATION MAP—March 30, 2012

240 W. MacArthur Blvd.
Oakland, CA

By: MJC

APRIL 2012

Figure 3



LEGEND

- Groundwater monitoring well
- Former 10,000-gal. gasoline UST
- Extrapolated gasoline isoconcentration contour ($\mu\text{g/L}$)
- Gasoline concentration ($\mu\text{g/L}$)
- NS = Not sampled
- ND = Below laboratory detection limit

0 20
SCALE IN FEET (approx.)



GASOLINE ISOCONCENTRATION CONTOURS (MARCH 2012)

240 W. MacArthur Blvd.
Oakland, CA

By: MJC

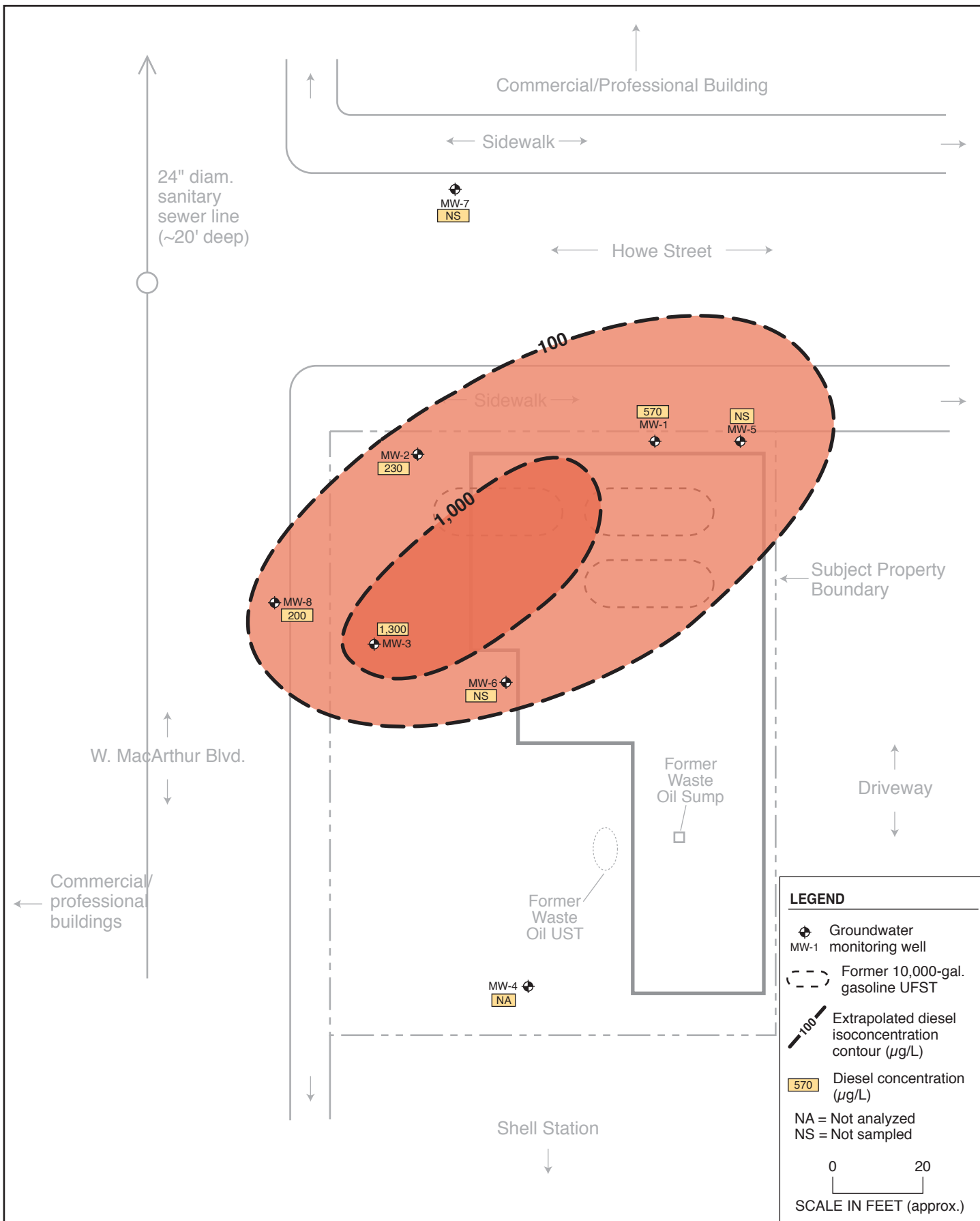
APRIL 2012

Figure 4



2008-43-228





DIESEL ISOCONCENTRATION CONTOURS (MARCH 2012)

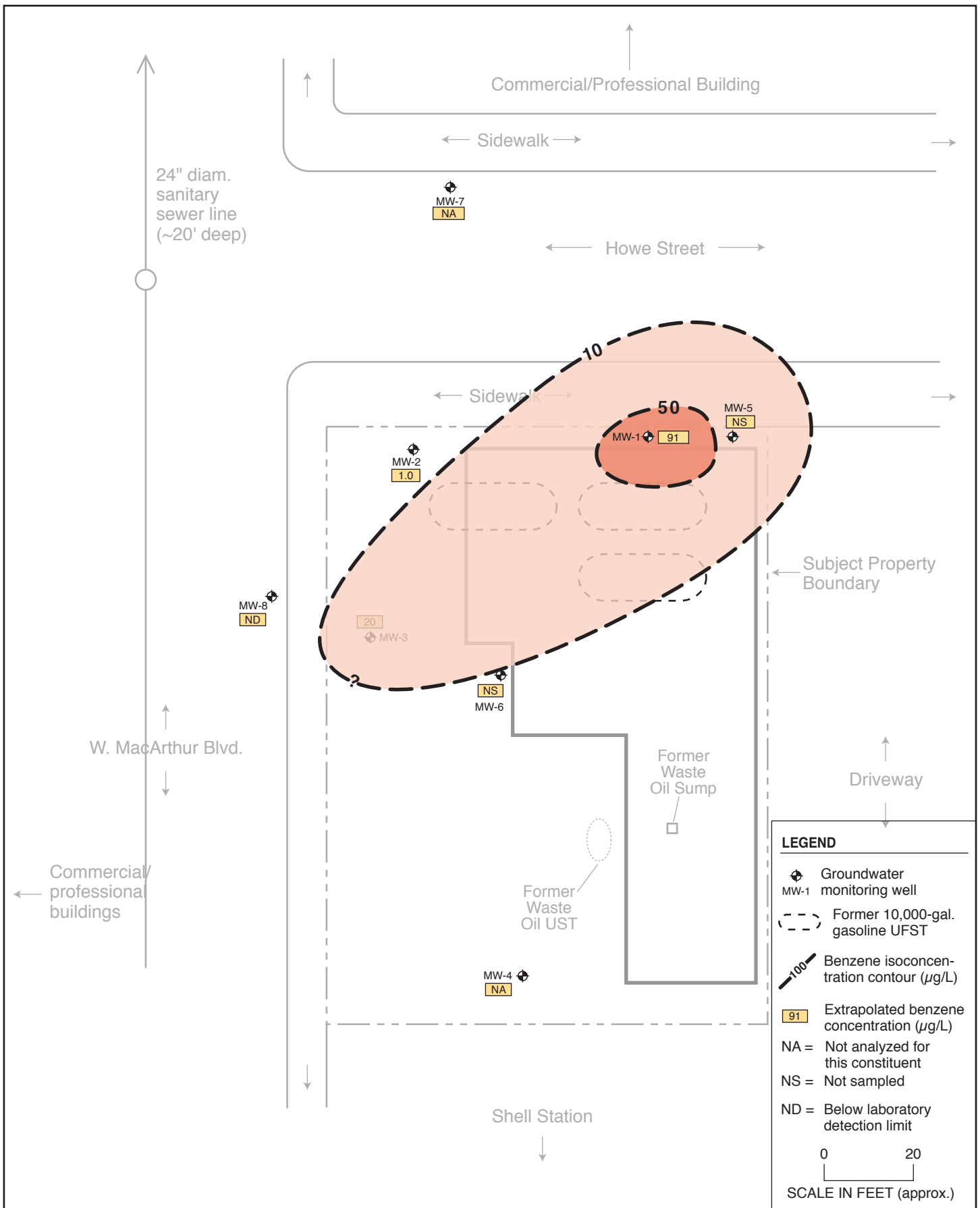
240 W. MacArthur Blvd.
Oakland, CA

By: MJC

APRIL 2012

Figure 5





BENZENE ISOCONCENTRATION CONTOURS (MARCH 2012)

240 W. MacArthur Blvd.
Oakland, CA

By: MJC

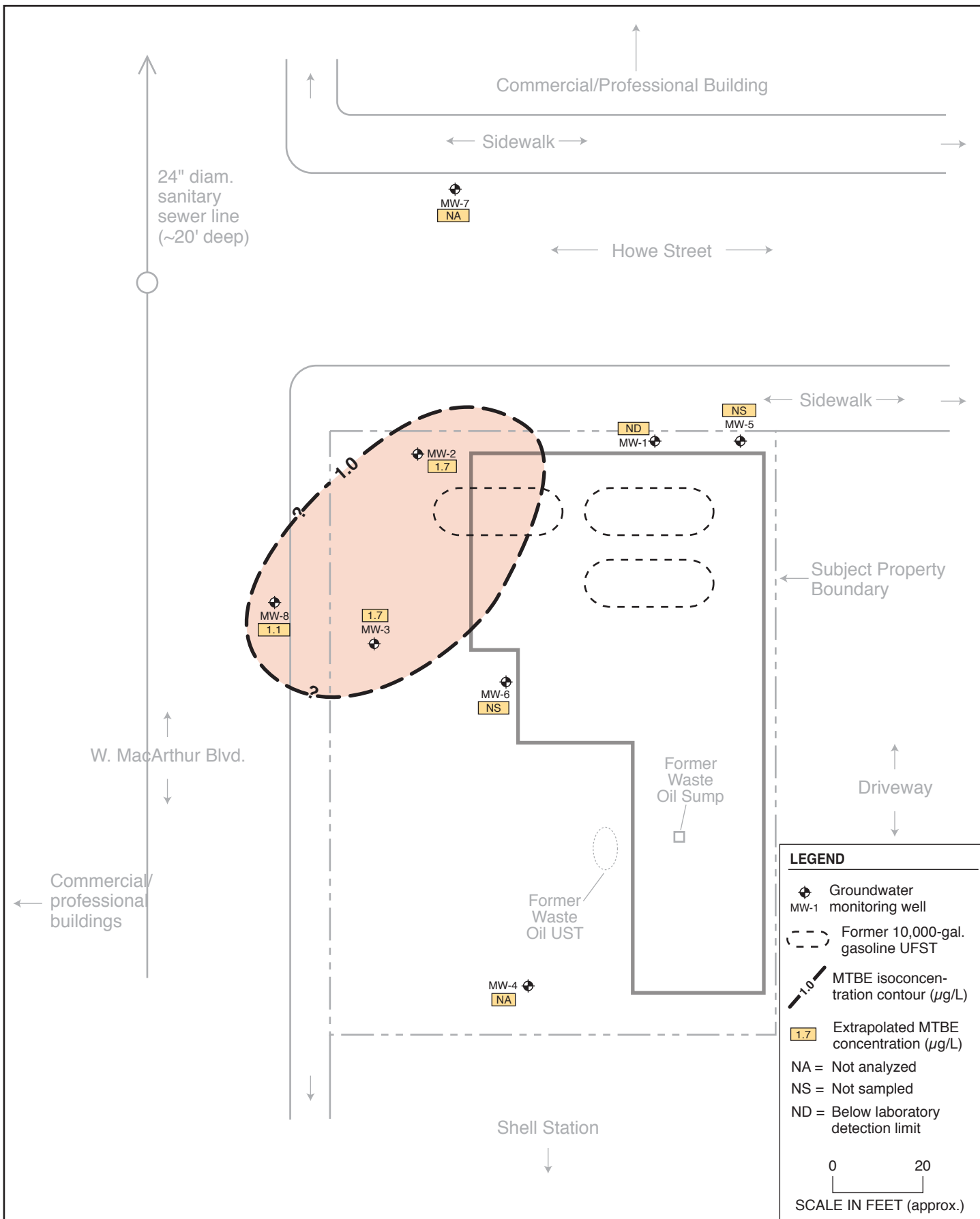
APRIL 2012

Figure 6



2008-43-230





MTBE ISOCONCENTRATION CONTOURS (MARCH 2012)

240 W. MacArthur Blvd.
Oakland, CA

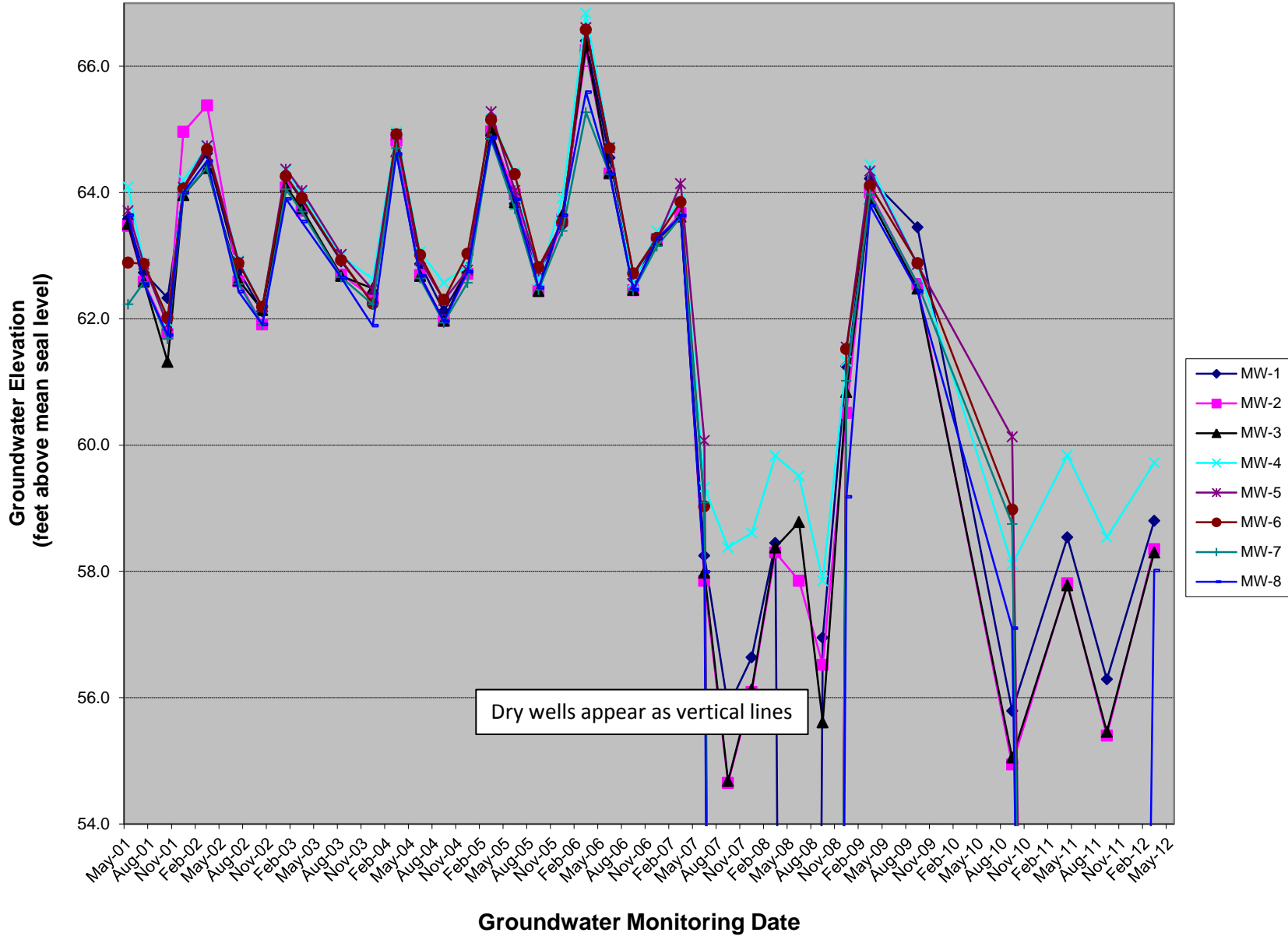
By: MJC

APRIL 2012

Figure 7



**Figure 8: Historical Groundwater Elevations in Monitoring Wells
240 W. Macarthur Blvd., Oakland, CA**



TABLES

Groundwater Monitoring Elevation and Well Analytical Data

Table 1
Groundwater Monitoring Well Construction and Groundwater Elevation Data
240 W. MacArthur Boulevard, Oakland, California

Well	Well Depth (feet bgs)	Well Screen Interval		Depth to Groundwater ^(a) March 30, 2012	Groundwater Elevation ^(b) March 30, 2012
		Depth (feet)	Elevation (feet)		
MW-1	25	19.5 to 24.5	54.5 to 49.5	20.61	58.80
MW-2	25	14.5 to 24.5	64.2 to 54.2	20.64	58.35
MW-3	25	14.5 to 24.5	63.4 to 53.4	19.80	58.30
MW-4	25	14.5 to 24.5	63.6 to 53.6	17.90	59.72
MW-5	20	9 to 19	70.6 to 60.6	Dry	NR
MW-6	20	9 to 19	69.7 to 59.7	Dry	NR
MW-7	20	9 to 19	69.6 to 59.6	Dry	NR
MW-8	20	9 to 19	67.7 to 57.7	18.38	58.01

Notes:

^(a) Pre-purge measurement, feet below top of well casing.

^(b) Pre-purge calculation feet above mean sea level

NR = not recorded (dry or only residual water in silt trap)

Table 2
Groundwater Sample Analytical Results – March 30, 2012
Hydrocarbons, BTEX, and MTBE

Well	TVHg	TEHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-1	2,800	570	91	4.1	9.0	23.1	<0.6
MW-2	260	230	1.0	<0.5	1.0	<0.5	1.7
MW-3	1,100	1,300	20	<0.5	<0.5	0.6	1.4
MW-4	110	NA	NA	NA	NA	NA	NA
MW-5	NS	NS	NS	NS	NS	NS	NS
MW-6	NS	NS	NS	NS	NS	NS	NS
MW-7	NS	NS	NA	NA	NA	NA	NA
MW-8	<50	200	<0.5	<0.5	<0.5	<0.5	1.1
ESLs							
	100 / 210	100 / 210	1.0 / 46	4.0 / 130	30 / 43	20 / 100	5.0 / 1,800

Notes:

ESLs = Water Board Environmental Screening Levels for commercial/industrial sites where groundwater *is/is not* a potential drinking water resource
 MTBE = methyl *tertiary*-butyl ether; TEHd = total extractable hydrocarbons - diesel range; TVHg = total volatile hydrocarbons - gasoline range
 NA = not analyzed for this contaminant; NS = not sampled
 All concentrations are expressed in micrograms per liter (µg/L), equivalent to parts per billion (ppb).
 Samples in **bold-face** type equal or exceeds the ESL commercial/industrial criterion where groundwater is considered a potential drinking water resource.

Table 3
Groundwater Sample Analytical Results – March 30, 2012
Lead Scavengers and Fuel Oxygenates

Well	EDC	DIPE	TBA
MW-1	1.2	<0.6	15
MW-2	<0.5	<0.5	<10
MW-3	1.0	1.5	45
MW-4	NA	NA	NA
MW-5	NS	NS	NS
MW-6	NS	NS	NS
MW-7	NS	NS	NS
MW-8	<0.5	<0.5	<10
ESLs	0.5 / 690	NLP	12 / 18,000

Notes:

ESLs = Water Board Environmental Screening Levels for commercial/industrial sites where groundwater *is/is not* considered a drinking water resource.
 Samples in **bold-face** type exceed the ESL commercial/industrial criterion where groundwater is considered a potential drinking water resource.
 DIPE = isopropyl ether; EDC = ethylene dichloride (1,2-dichloroethane); TBA = *tertiary*-butyl alcohol
 The table includes only detected fuel oxygenates and lead scavengers; contaminants analyzed for and not detected include EDB, ETBE, and TAME.
 NA = not analyzed for this contaminant; NS = not sampled; NLP = no level published.
 All concentrations are expressed in micrograms per liter (µg/L), equivalent to parts per billion (ppb)

Table C-1
Historical Groundwater Monitoring Well Groundwater Analytical Results
Petroleum and Aromatic Hydrocarbons (µg/L)
240 W. MacArthur Boulevard, Oakland, California

Well Purged?	Sampling Event No.	Date Sampled	TVH-g	TEH-d	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-1									
Yes	1	Aug-97	1,140	< 1,000	110	16	15	112	NA
Yes	2	Dec-97	ND	NA	ND	ND	ND	31	NA
Yes	3	Mar-98	370	NA	8.9	< 0.5	< 0.5	2.2	18
Yes	4	Jul-98	6,400	NA	1,300	23	3.7	58	97
Yes	5	Oct-98	2,500	NA	360	44	1.3	150	< 0.5
Yes	6	Jan-99	2,700	NA	1,200	28	140	78	130
(a)	7	Jun-00	27,000	NA	5,200	500	320	3,100	1,300
(a)	8	Dec-00	976,000	NA	2,490	1,420	3,640	10,100	< 150
(a)	9	Feb-01	NA	NA	NA	NA	NA	NA	NA
(a)	10	May-01	20,000	NA	2,900	310	230	1,900	< 30
(a)	11	Jul-01	92,000	NA	2,900	580	2,800	20,000	560
Pre"hi-vac"	12	Oct 22-01	20,000	NA	3,700	560	410	4,600	2,600
Post "hi-vac"	12	Oct 26-01	< 0.05	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
(a)	13	Dec-01	3,300	NA	200	12	5.7	43	44
No	14	Mar-02	4,600	NA	820	4.4	100	300	210
No	15	May-02	1,600	NA	100	23	20	190	7.7
No	16	Jul-02	2,300	NA	250	15	13	180	180
No	17	Oct-02	1,820	NA	222	16	< 0.3	59	58
No	18	Jan-03	2,880	NA	188	< 50	< 50	157	20
No	19	Mar-03	6,700	NA	607	64	64	288	< 0.18
No	20	Aug-03	4,900	5,000	740	45	85	250	14
Yes	21	Dec-03	8,930	800	1,030	55	127	253	212
Yes	22	Mar-04	11,300	1,100	483	97	122	452	67
Yes	23	Jun-04	9,300	4,000	1,700	75	92	350	6.0
Yes	24	Sep-04	9,100	97	920	19	82	201	7.2
Yes	25	Dec-04	11,000	3,300	830	21	74	118	7.9
Yes	26	Mar-05	4,700	3,500	450	28	42	97	6.7
Yes	27	Jun-05	21,000	6,800	1,900	270	320	2,800	< 13
Yes	28	Sep-05	23,000	2,500	2,100	100	200	880	< 2.5
Yes	29	Dec-05	4,300	3,000	500	22	72	228	5.5
Yes	30	Mar-06	11,000	3,000	340	45	89	630	4.3
Yes	31	Jun-06	21,000	8,500	1,600	160	170	1,000	< 2.5
Yes	32	Sep-06	13,000	6,200	1,700	76	110	440	< 13
Yes	33	Dec-06	16,000	4,100	1,500	100	160	670	< 13
Yes	34	Mar-07	22,000	6,200	1,700	140	180	1,100	< 13
Yes	35	Jun-07	3,600	1,500	210	10	19	61	3.2
Yes	36	Sep-07	1,400	1,700	50	< 0.5	1.3	< 0.5	4.1
Yes	37	Dec-07	2,700	840	170	5.5	7.5	34.6	3.1
Yes	38	Mar-08	2,300	1,000	77	<2.5	8.2	10	<2.5
No	39	Jun-08	NS	NS	NS	NS	NS	NS	NS
Yes	40	Sep-08	1,700	2,600	170	5	3	19	<1.3
Yes	41	Dec-08	4,300	1,100	180	6.7	12	27.3	<1.3
Yes	42	Mar-09	9,200	5,200	84	6.4	29	54.0	1.0
Yes	43	Sep-09	4,300	5,200	370	14.0	52	33.0	0.5
Yes	44	Sep-10	3,400	2,100	190	10.0	16	84.0	2.5
Yes	45	Apr-11	2,500	1,400	75	2.3	9	24.3	<0.5
Yes	46	Sep-11	2,100	410	200	10.0	13	49.0	<1.3
Yes	47	Mar-12	2,800	570	91	4.1	9	23.1	<1.6

(table continued on next page; footnotes on final page)

Well Purged?	Sampling Event No.	Date Sampled	TVH-g	TEH-d	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-2									
Yes	1	Aug-97	5,350	< 1,000	108	36	33	144	NA
Yes	2	Dec-97	1,600	NA	73	ND	ND	ND	NA
Yes	3	Mar-98	3,400	NA	830	100	210	240	870
Yes	4	Jul-98	3,100	NA	25	2.2	< 0.5	0.9	1,900
Yes	5	Oct-98	4,300	NA	< 0.5	1.2	< 0.5	1	4,200
Yes	6	Jan-99	2,900	NA	160	8.9	6.9	78.4	2,100
(a)	7	Jun-00	2,700	NA	200	17	30	16	680
(a)	8	Dec-00	3,020	NA	56.7	< 1.5	< 1.5	< 3.0	3,040
(a)	9	Feb-01	NA	NA	NA	NA	NA	NA	NA
(a)	10	May-01	720	NA	49	< 3.0	4.6	< 3.0	380
(a)	11	Jul-01	8,400	NA	350	44	77	78	550
Pre"hi-vac"	12	Oct 22-01	850	NA	170	4.9	5.1	14	260
Post "hi-vac"	12	Oct 26-01	770	NA	86	5.5	9.6	8.5	310
(a)	13	Dec-01	1,300	NA	9.2	< 2.0	< 2.0	< 2.0	370
No	14	Mar-02	1,300	NA	76	3.8	21	15	460
No	15	May-02	320	NA	12	1.1	4.6	4.8	160
No	16	Jul-02	1,300	NA	130	1	9.4	5.6	420
No	17	Oct-02	1,060	NA	12	2.2	4.2	3.5	270
No	18	Jan-03	581	NA	6.5	< 5.0	< 5.0	< 5.0	130
No	19	Mar-03	1,250	NA	< 0.22	< 0.32	< 0.31	< 0.4	155
No	20	Aug-03	2,200	730	58	9.2	< 0.5	28	240
Yes	21	Dec-03	1,980	100	29	22.0	7.4	13	295
Yes	22	Mar-04	2,700	100	12	16.0	9	12	249
Yes	23	Jun-04	1,200	370	42	0.7	2.6	0.9	170
Yes	24	Sep-04	1,500	280	14	< 0.5	< 0.5	0.6	130
Yes	25	Dec-04	1,400	540	26	1.1	1.8	3.5	91
Yes	26	Mar-05	2,300	420	5.3	< 1.0	3.7	< 2.0	120
Yes	27	Jun-05	1,600	500	14	< 0.5	1.8	0.68	66
Yes	28	Sep-05	1,400	210	30	1.3	12	26	58
Yes	29	Dec-05	1,300	800	4.9	0.6	0.7	0.8	74
Yes	30	Mar-06	1,300	400	3.2	< 0.7	< 0.7	< 1.4	120
Yes	31	Jun-06	1,400	1,200	33.0	1.3	3.5	< 1.6	84
Yes	32	Sep-06	8,300	1,600	67.0	4.1	4.6	15.4	64
Yes	33	Dec-06	1,500	940	22.0	2.9	2.6	3.5	67
Yes	34	Mar-07	1,200	760	65	1.9	3.7	1.6	59
Yes	35	Jun-07	2,900	1,000	67	3.2	14.0	7.5	49
No	36	Sep-07	NS	NS	NS	NS	NS	NS	NS
Yes	37	Dec-07	1,200	510	14	< 0.5	< 0.5	0.5	33
Yes	38	Mar-08	1,100	3,800	13	0.9	0.9	2.3	61
Yes	39	Jun-08	2,400	4,300	3.9	2.2	3	9.4	73
Yes	40	Sep-08	1,300	1,800	12	8.6	10	34.6	72
Yes	41	Dec-08	2,100	620	46	22	39	73	41
Yes	42	Mar-09	2,200	1,600	22	3	10	16	17
Yes	43	Sep-09	750	940	11	1	5	3	11
Yes	44	Sep-10	1,400	840	9	2.6	1.7	9.1	30
Yes	45	Apr-11	810	520	< 0.5	< 0.5	< 0.5	< 0.5	22
Yes	46	Sep-11	620	440	1.3	< 0.5	10	0.9	9.1
Yes	47	Mar-12	260	230	1.0	< 0.5	1.0	< 0.5	1.7

(table continued on next page; footnotes on final page)

Well Purged?	Sampling Event No.	Date Sampled	TVH-g	TEH-d	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-3									
Yes	1	Aug-97	8,500	< 1,000	450	30	53	106	NA
Yes	2	Dec-97	5,200	NA	180	6	5	9.3	NA
Yes	3	Mar-98	1,000	NA	6	< 0.5	< 0.5	< 0.5	810
Yes	4	Jul-98	6,400	NA	490	57	23	78	220
Yes	5	Oct-98	2,100	NA	< 5.0	< 5.0	< 5.0	< 5.0	2,100
Yes	6	Jan-99	4,400	NA	450	65	26	42	1,300
(a)	7	Jun-00	1,700	NA	110	13	34	13	96
(a)	8	Dec-00	5,450	NA	445	< 7.5	23.8	< 7.5	603
(a)	9	Feb-01	NA	NA	NA	NA	NA	NA	NA
(a)	10	May-01	1,900	NA	180	12	< 3.0	19	330
(a)	11	Jul-01	10,000	NA	830	160	150	260	560
Pre"hi-vac"	12	Oct 22-01	1,400	NA	240	7.8	4.1	15	220
Post "hi-vac"	12	Oct 26-01	1,900	NA	200	16	51	30	290
(a)	13	Dec-01	5,800	NA	93	< 20	31	< 20	330
No	14	Mar-02	1,900	NA	220	16	31	24	400
No	15	May-02	1,600	NA	110	3.4	29	14	320
No	16	Jul-02	1,900	NA	210	27	30	55	200
No	17	Oct. 2002	3,030	NA	178	19	6.2	36	178
No	18	Jan-03	2,980	NA	47	< 5.0	7.6	6.3	105
No	19	Mar-03	3,620	NA	124	< 0.32	22	12	139
No	20	Aug-03	3,800	2,400	170	28	31	31	170
Yes	21	Dec-03	6,860	500	312	20	55	58	309
Yes	22	Mar-04	5,490	500	82	34	46	49	249
Yes	23	Jun-04	5,400	1,100	150	30	45	66	130
Yes	24	Sep-04	5,400	1,500	70	3.2	16	13	110
Yes	25	Dec-04	5,300	2,400	91	7.4	21	19	92
Yes	26	Mar-05	4,700	2,000	19	1.1	10	3.7	76
Yes	27	Jun-05	4,200	1,800	49	4.5	23	16	66
Yes	28	Sep-05	5,000	950	60	3.1	12	26	59
Yes	29	Dec-05	3,200	1,800	29	1.3	6.6	5.6	80
Yes	30	Mar-06	4,100	1,200	24	1.1	8.5	3.4	99
Yes	31	Jun-06	4,000	1,400	89.0	8.4	14.0	16.7	75
Yes	32	Sep-06	6,100	2,600	190	15.0	24.0	59.0	51
Yes	33	Dec-06	4,500	2,000	110	4.0	7.3	19.1	47
Yes	34	Mar-07	3,800	2,400	90	3.7	9.8	11.1	51
Yes	35	Jun-07	4,500	2,100	8.9	1.4	14.0	4.0	77
Yes	36	Sep-07	4,000	NA	4.6	< 0.5	1.3	< 0.5	75
Yes	37	Dec-07	1,400	2,600	11.0	0.8	0.7	3.9	84
Yes	38	Mar-08	1,700	9,600	19.0	<0.5	<0.5	0.6	100
Yes	39	Jun-08	2,100	1,200	7.9	<0.5	<0.5	0.8	86
Yes	40	Sep-08	1,700	2,600	170	5	3	19	<1.3
Yes	41	Dec-08	4,300	1,100	180	6.7	12	27.3	<1.3
Yes	40	Sep-08	1,400	4,300	14.0	<0.5	0.7	1.5	75
Yes	41	Dec-08	1,700	4,100	79	1.6	5.2	10.6	47
Yes	42	Mar-09	1,100	5,100	41	0.6	2.4	3.0	44
Yes	43	Sep-09	1,100	1,700	23	<0.5	1.8	1.9	19
Yes	44	Sep-10	1,300	890	<0.5	<0.5	<0.5	<0.5	7.3
Yes	45	Apr-11	1,100	910	<0.5	<0.5	<0.5	<0.5	19.0
Yes	46	Sep-11	660	860	<0.5	<0.5	<0.5	<0.5	9.0
Yes	47	Mar-12	1,100	1,300	<0.5	<0.5	<0.5	0.6	1.4

(table continued on next page; footnotes on final page)

Well Purged?	Sampling Event No.	Date Sampled	TVH-g	TEH-d	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-4									
Yes	1	Aug-97	< 500	< 1,000	< 0.5	< 0.5	< 0.5	< 1.5	NA
Yes	2	Dec-97	ND	NA	ND	ND	ND	ND	NA
Yes	3	Mar-98	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Yes	4	Jul-98	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Yes	5	Oct-98	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Yes	6	Jan-99	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
(a)	7	Jun-00	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
(a)	8	Dec-00	< 500	NA	< 0.3	< 0.3	< 0.6	< 0.3	< 0.3
(a)	9	Feb-01	NA	NA	NA	NA	NA	NA	NA
(a)	10	May-01	< 50	NA	1.2	< 0.3	0.55	1.2	2.9
(a)	11	Jul-01	< 5.0	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Pre"hi-vac"	12	Oct 22-01	< 5.0	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Post "hi-vac"	12	Oct 26-01	< 5.0	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
(a)	13	Dec-01	ND	NA	ND	ND	ND	ND	ND
No	14	Mar-02	< 50	NA	< 1	< 1	< 1	< 1	< 1
No	15	May-02	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
No	16	Jul-02	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
No	17	Oct-02	< 100	NA	< 0.3	< 0.3	< 0.3	< 0.6	< 0.3
No	18	Jan-03	< 100	NA	< 0.3	< 0.3	< 0.3	< 0.6	14
No	19	Mar-03	< 15	NA	< 0.4	< 0.02	< 0.02	< 0.06	5.2
No	20	Aug-03	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Yes	21	Dec-03	63	NA	< 0.3	< 0.3	< 0.3	< 0.6	< 5.0
Yes	22	Mar-04	< 50	NA	< 0.3	< 0.3	< 0.3	< 0.6	< 5.0
Yes	23	Jun-04	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	0.9
Yes	24	Sep-04	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	2.3
Yes	25	Dec-04	< 50	NA	NA	NA	NA	NA	NA
Yes	26	Mar-05	< 50	NA	NA	NA	NA	NA	NA
Yes	27	Jun-05	< 50	NA	NA	NA	NA	NA	NA
Yes	28	Sep-05	< 50	NA	NA	NA	NA	NA	NA
Yes	29	Dec-05	< 50	NA	NA	NA	NA	NA	NA
Yes	30	Mar-06	< 50	NA	NA	NA	NA	NA	NA
Yes	31	Jun-06	< 50	NA	NA	NA	NA	NA	NA
Yes	32	Sep-06	< 50	NA	NA	NA	NA	NA	NA
Yes	33	Dec-06	59	NA	NA	NA	NA	NA	NA
Yes	34	Mar-07	<50	NA	NA	NA	NA	NA	NA
Yes	35	Jun-07	57	NA	NA	NA	NA	NA	NA
Yes	36	Sep-07	70	NA	NA	NA	NA	NA	NA
Yes	37	Dec-07	90	NA	NA	NA	NA	NA	NA
Yes	38	Mar-08	120	NA	NA	NA	NA	NA	NA
Yes	39	Jun-08	190	NA	NA	NA	NA	NA	NA
Yes	40	Sep-08	140	NA	NA	NA	NA	NA	NA
Yes	41	Dec-08	130	NA	NA	NA	NA	NA	NA
Yes	42	Mar-09	81	NA	NA	NA	NA	NA	NA
Yes	43	Sep-09	<50	NA	NA	NA	NA	NA	NA
Yes	44	Sep-10	160	NA	NA	NA	NA	NA	NA
Yes	45	Apr-11	150	NA	NA	NA	NA	NA	NA
Yes	46	Sep-11	130	NA	NA	NA	NA	NA	NA
Yes	47	Mar-12	110	NA	NA	NA	NA	NA	NA

(table continued on next page; footnotes on final page)

Well Purged?	Sampling Event No.	Date Sampled	TVH-g	TEH-d	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-5									
(a)	9	Feb-01	5,660	NA	76.9	21.1	47.3	312	< 0.3
(a)	10	May-01	22,000	NA	2,600	480	220	2,700	< 30
(a)	11	Jul-01	72,000	NA	3,500	1,100	4,300	22,000	2,500
Pre"hi-vac"	12	Oct 22-01	26,000	NA	2,800	980	6,000	950	2,300
Post "hi-vac"	12	Oct 26-01	17,000	NA	1,200	470	2,900	440	900
(a)	13	Dec-01	2,000	NA	620	190	110	910	< 20
No	14	Mar-02	8,800	NA	1,200	72	7.4	350	1,200
No	15	May-02	2,000	NA	150	38	21	260	13
No	16	Jul-02	4,200	NA	480	68	29	280	450
No	17	Oct-02	5,370	NA	236	45	23	39	135
No	18	Jan-03	8,270	NA	615	156	174	1,010	< 10
No	19	Mar-03	12,400	NA	824	195	213	1,070	< 0.18
No	20	Aug-03	18,000	10,000	950	290	330	1,820	< 2.0
Yes	21	Dec-03	11,900	800	627	263	288	1,230	595
Yes	22	Mar-04	20,700	850	867	266	305	678	145
Yes	23	Jun-04	12,000	1,700	920	240	260	1,150	< 3.1
Yes	24	Sep-04	13,000	1,900	580	240	260	1,260	< 4.2
Yes	25	Dec-04	16,000	3,300	730	200	250	1,100	< 4.2
Yes	26	Mar-05	6,300	4,600	190	28	42	280	< 1.7
Yes	27	Jun-05	16,000	4,100	1,100	260	380	1,590	< 7.1
Yes	28	Sep-05	15,000	3,600	810	210	300	1,300	< 1.3
Yes	29	Dec-05	9,600	3,600	270	80	110	710	< 1.7
Yes	30	Mar-06	9,800	5,100	240	47	97	590	< 2.0
Yes	31	Jun-06	28,000	4,900	920.0	250.0	350.0	1,480	< 2.0
Yes	32	Sep-06	12,000	2,400	580	170	230	980	< 3.6
Yes	33	Dec-06	15,000	3,400	510	160	260	1,190	< 3.6
Yes	34	Mar-07	20,000	4,600	910	230	360	1,560	< 3.6
No	35	Jun-07	NS	NS	NS	NS	NS	NS	NS
No	36	Sep-07	NS	NS	NS	NS	NS	NS	NS
No	37	Dec-07	NS	NS	NS	NS	NS	NS	NS
No	38	Mar-08	NS	NS	NS	NS	NS	NS	NS
No	39	Jun-08	NS	NS	NS	NS	NS	NS	NS
No	40	Sep-08	NS	NS	NS	NS	NS	NS	NS
Yes	41	Dec-08	32,000	34,000	400	90	64	640	< 6.3
Yes	42	Mar-09	9,700	9,000	140	34	38	280	< 107
Yes	43	Sep-09	210,000	44,000	730	160	270	2,000	< 10
No	44	Sep-10	140,000	480,000	68	10.0	16	84.0	2.5
No	45	Apr-11	NS	NS	NS	NS	NS	NS	NS
No	46	Sep-11	NS	NS	NS	NS	NS	NS	NS
No	47	Mar-12	NS	NS	NS	NS	NS	NS	NS

(table continued on next page; footnotes on final page)

Well Purged?	Sampling Event No.	Date Sampled	TVH-g	TEH-d	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-6									
(a)	9	Feb-01	1,340	NA	17	0.967	11.1	51.4	< 0.3
(a)	10	May-01	610	NA	15	0.97	< 0.5	46	< 0.5
(a)	11	Jul-01	2,500	NA	130	4.7	53	170	120
Pre "hi-vac"	12	Oct 22-01	280	NA	18	1.2	6.2	4.7	6
Post "hi-vac"	12	Oct 26-01	3,600	NA	210	20	170	62	120
(a)	13	Dec-01	5,300	NA	69	5.6	14	17	< 2.0
No	14	Mar-02	71	NA	54	4.2	27	17	8.5
No	15	May-02	150	NA	9.3	< 0.5	< 0.5	< 0.5	1.5
No	16	Jul-02	2,200	NA	98	32	46	150	66
No	17	Oct-02	786	NA	48	5.0	2.2	44	16
No	18	Jan-03	497	NA	6.8	< 5.0	< 5.0	11	< 1.0
No	19	Mar-03	258	NA	5.4	< 0.32	3.3	< 1.1	< 0.18
No	20	Aug-03	1,600	2,800	37	4	23	58	< 0.5
Yes	21	Dec-03	365	200	2.5	3.8	1.4	6.1	< 5.0
Yes	22	Mar-04	215	140	4.0	1.2	1.4	1.4	3.7
Yes	23	Jun-04	710	830	14.0	0.7	5.2	6.6	< 0.5
Yes	24	Sep-04	350	600	< 0.5	2.4	< 0.5	< 0.5	< 0.5
Yes	25	Dec-04	280	1,100	4.9	< 0.5	1.4	4.4	< 0.5
Yes	26	Mar-05	300	980	5.4	< 0.5	3.3	2.3	< 0.5
Yes	27	Jun-05	150	1,100	< 0.5	< 0.5	< 0.5	0.77	28
Yes	28	Sep-05	680	200	13	0.9	6.6	13	< 0.5
Yes	29	Dec-05	240	890	3.6	< 0.5	0.7	2.4	0.5
Yes	30	Mar-06	530	950	8.3	< 0.5	4.0	2.1	0.6
Yes	31	Jun-06	460	1,300	8.3	< 0.5	1.4	2.6	< 0.5
Yes	32	Sep-06	530	730	10.0	0.8	4.1	7.5	< 0.5
Yes	33	Dec-06	500	750	7.5	< 0.5	2.6	2.5	< 0.5
Yes	34	Mar-07	430	530	7.1	< 0.5	1.7	0.8	< 0.5
No	35	Jun-07	NS	NS	NS	NS	NS	NS	NS
No	36	Sep-07	NS	NS	NS	NS	NS	NS	NS
No	37	Dec-07	NS	NS	NS	NS	NS	NS	NS
No	38	Mar-08	NS	NS	NS	NS	NS	NS	NS
No	39	Jun-08	NS	NS	NS	NS	NS	NS	NS
No	40	Sep-08	NS	NS	NS	NS	NS	NS	NS
Yes	41	Dec-08	810	810	2.6	< 0.5	0.8	3.1	1.1
Yes	42	Mar-09	740	3,300	14.0	< 0.5	1.6	8.6	2.6
Yes	43	Sep-09	340	1,600	2.7	< 0.5	0.9	1.2	1.3
No	44	Sep-10	NS	NS	NS	NS	NS	NS	NS
No	45	Apr-11	NS	NS	NS	NS	NS	NS	NS
No	46	Sep-11	NS	NS	NS	NS	NS	NS	NS
No	47	Mar-12	NS	NS	NS	NS	NS	NS	NS

(table continued on next page; footnotes on final page)

Well Purged?	Sampling Event No.	Date Sampled	TVH-g	TEH-d	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-7									
(a)	9	Feb-01	ND	NA	ND	ND	ND	ND	ND
(a)	10	May-01	< 50	NA	0.75	0.77	0.48	2.4	1.1
(a)	11	Jul-01	< 5.0	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Pre "hi-vac"	12	Oct 22-01	< 5.0	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Post "hi-vac"	12	Oct 26-01	6,000	NA	170	550	110	120	970
(a)	13	Dec-01	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	43
No	14	Mar-02	< 50	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
No	15	May-02	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
No	16	Jul-02	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
No	17	Oct-02	< 100	NA	< 0.3	< 0.3	< 0.3	< 0.6	< 5.0
No	18	Jan-03	NA	NA	NA	NA	NA	NA	NA
No	19	Mar-03	< 15	NA	< 0.04	< 0.02	< 0.02	< 0.06	< 0.03
No	20	Aug-03	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Yes	21	Dec-03	< 50	NA	< 0.3	< 0.3	< 0.3	< 0.6	< 5.0
Yes	22	Mar-04	86	NA	< 0.3	< 0.3	< 0.3	< 0.6	57
Yes	23	Jun-04	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Yes	24	Sep-04	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Yes	25	Dec-04	< 50	NA	NA	NA	NA	NA	NA
Yes	26	Mar-05	< 50	NA	NA	NA	NA	NA	NA
Yes	27	Jun-05	< 50	NA	NA	NA	NA	NA	NA
Yes	28	Sep-05	< 50	NA	NA	NA	NA	NA	NA
Yes	29	Dec-05	< 50	NA	NA	NA	NA	NA	NA
Yes	30	Mar-06	< 50	NA	NA	NA	NA	NA	NA
Yes	31	Jun-06	< 50	NA	NA	NA	NA	NA	NA
Yes	32	Sep-06	< 50	NA	NA	NA	NA	NA	NA
Yes	33	Dec-06	< 50	NA	NA	NA	NA	NA	NA
Yes	34	Mar-07	< 50	NA	NA	NA	NA	NA	NA
No	35	Jun-07	NS	NA	NA	NA	NA	NA	NA
No	36	Sep-07	NS	NA	NA	NA	NA	NA	NA
No	37	Dec-07	NS	NA	NA	NA	NA	NA	NA
No	38	Mar-08	NS	NA	NA	NA	NA	NA	NA
No	39	Jun-08	NS	NA	NA	NA	NA	NA	NA
No	40	Sep-08	NS	NA	NA	NA	NA	NA	NA
Yes	41	Dec-08	<50	NA	NA	NA	NA	NA	NA
Yes	42	Mar-09	<50	NA	NA	NA	NA	NA	NA
Yes	43	Sep-09	<50	NA	NA	NA	NA	NA	NA
No	44	Sep-10	NS	NA	NA	NA	NA	NA	NA
No	45	Apr-11	NS	NA	NA	NA	NA	NA	NA
No	46	Sep-11	NS	NA	NA	NA	NA	NA	NA
No	47	Mar-12	NS	NA	NA	NA	NA	NA	NA

(table continued on next page; footnotes on final page)

Well Purged?	Sampling Event No.	Date Sampled	TVH-g	TEH-d	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
MW-8									
(a)	9	Feb-01	1,000	NA	3.97	< 0.3	3.78	1.63	620
(a)	10	May-01	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	4.4
(a)	11	Jul-01	< 5.0	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Pre"hi-vac"	12	Oct 22-01	< 5.0	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Post "hi-vac"	12	Oct 26-01	< 5.0	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
(a)	13	Dec-01	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
No	14	Mar-02	< 50	NA	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
No	15	May-02	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
No	16	Jul-02	< 50	NA	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
No	17	Oct-02	458	NA	1.7	< 0.3	< 0.3	< 0.6	233
No	18	Jan-03	< 100	NA	< 0.3	< 0.3	< 0.3	< 0.6	< 5.0
No	19	Mar-03	< 15	NA	< 0.22	< 0.32	< 0.31	< 0.4	< 0.18
No	20	Aug-03	190	< 50	< 0.5	< 0.5	< 0.5	0.6	< 0.5
Yes	21	Dec-03	163	< 100	< 0.3	< 0.3	< 0.3	< 0.6	66
Yes	22	Mar-04	412	< 100	1.2	< 0.3	1.7	3.9	66
Yes	23	Jun-04	320	68	< 0.5	< 0.5	< 0.5	< 0.5	120
Yes	24	Sep-04	280	2600	< 0.5	< 0.5	< 0.5	< 0.5	120
Yes	25	Dec-04	270	84	< 0.5	< 0.5	< 0.5	< 0.5	94
Yes	26	Mar-05	270	120	< 0.5	< 0.5	< 0.5	< 1.0	66
Yes	27	Jun-05	510	63	6.8	< 0.5	2.4	5.3	< 0.5
Yes	28	Sep-05	520	< 50	< 0.5	< 0.5	< 0.5	< 1.0	65
Yes	29	Dec-05	65	57	< 0.5	< 0.5	< 0.5	< 1.0	29
Yes	30	Mar-06	140	120	< 0.5	< 0.5	< 0.5	0.6	24
Yes	31	Jun-06	710	170	< 0.5	< 0.5	< 0.5	< 1.0	81
Yes	32	Sep-06	330	260	< 0.5	< 0.5	< 0.5	< 0.5	44
Yes	33	Dec-06	63	< 50	< 0.5	< 0.5	< 0.5	< 0.5	21
Yes	34	Mar-07	250	130	< 0.5	< 0.5	< 0.5	0.5	5
No	35	Jun-07	320	150	5.2	< 0.5	< 0.5	0.7	89
No	36	Sep-07	NS	NS	NS	NS	NS	NS	NS
No	37	Dec-07	NS	NS	NS	NS	NS	NS	NS
No	38	Mar-08	NS	NS	NS	NS	NS	NS	NS
No	39	Jun-08	NS	NS	NS	NS	NS	NS	NS
No	40	Sep-08	NS	NS	NS	NS	NS	NS	NS
Yes	41	Dec-08	350	280	< 0.5	< 0.5	< 0.5	< 0.5	22
Yes	42	Mar-09	110	1,000	< 0.5	< 0.5	< 0.5	< 0.5	5.2
Yes	43	Sep-09	190	1,300	< 0.5	< 0.5	< 0.5	< 0.5	5.7
No	44	Sep-10	NS	NS	NS	NS	NS	NS	NS
No	45	Apr-11	NS	NS	NS	NS	NS	NS	NS
No	46	Sep-11	NS	NS	NS	NS	NS	NS	NS
Yes	47	Mar-12	< 50	NS	< 0.5	< 0.5	< 0.5	< 0.5	1.1

Notes:

"No Purge" means no purging was conducted before the groundwater sample was collected.

TVH-g = Total Volatile Hydrocarbons - gasoline range. TEH-d = Total Extractable Hydrocarbons - diesel range.

NA = Not analyzed for this constituent in this event.

ND = Not Detected (method reporting limit not specified in the information available to SES)

NS = Well not sampled

TABLE C-2
Fuel Oxygenates and VOCs (mg/L)
240 W. MacArthur Boulevard, Oakland, California

MW-1													
Sampling Event No.	Date Sampled	EDB	EDC	1,2,4-TMB	1,3,5-TMB	t-Butanol	TBA	DIPE	Naphthalene	cis-1,2-DCE	TCE	PCE	Others
7	Jun-00	< 5.0	< 5.0	51	< 5	< 1,000	< 1000	< 50	< 5	< 5	< 5	< 5	ND
14	Mar-02	< 1.0	< 1.0	< 1	1.6	< 10	NA	< 2	< 1	< 1	< 1	< 1	ND
18	Jan-03	< 50	< 50	150	< 50	NA	68	< 10	< 50	< 50	< 50	< 50	ND
19	Mar-03	< 0.26	< 0.17	373	< 0.49	NA	< 10	< 0.29	< 0.88	< 0.30	< 0.23	< 0.36	ND
20	Aug-03	< 1.0	7.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	Dec-03	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	Mar-04	< 0.26	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23	Jun-04	< 5.0	< 5.0	NA	NA	NA	270	< 5.0	NA	NA	NA	NA	NA
24	Sep-04	< 5.0	< 5.0	NA	NA	NA	120	< 5.0	NA	NA	NA	NA	NA
25	Dec-04	< 1.3	< 1.3	NA	NA	NA	< 25	< 1.3	NA	NA	NA	NA	NA
26	Mar-05	< 0.50	< 0.50	NA	NA	NA	< 10	< 0.50	NA	NA	NA	NA	NA
27	Jun-05	< 13	< 13	NA	NA	NA	< 250	< 13	NA	NA	NA	NA	NA
28	Sep-05	< 2.5	6.5	NA	NA	NA	240	< 2.5	NA	NA	NA	NA	NA
29	Dec-05	< 1.3	< 1.3	NA	NA	NA	100	< 3.6	NA	NA	NA	NA	NA
30	Mar-06	< 2.0	< 2.0	NA	NA	NA	83	< 2.0	NA	NA	NA	NA	NA
31	Jun-06	< 2.5	< 2.5	NA	NA	NA	220	< 2.5	NA	NA	NA	NA	NA
32	Sep-06	< 13	< 13	NA	NA	NA	320	< 13	NA	NA	NA	NA	NA
33	Dec-06	< 13	< 13	NA	NA	NA	320	< 13	NA	NA	NA	NA	NA
34	Mar-07	< 13	< 13	NA	NA	NA	< 250	< 13	NA	NA	NA	NA	NA
35	Jun-07	< 1.7	< 1.7	NA	NA	NA	37	< 1.7	NA	NA	NA	NA	NA
36	Sep-07	< 0.5	1.8	NA	NA	NA	66	< 0.5	NA	NA	NA	NA	NA
37	Dec-07	< 1.0	< 1.0	NA	NA	NA	26	< 1.0	NA	NA	NA	NA	NA
38	Mar-08	< 2.5	4.6	NA	NA	NA	66	< 2.5	NA	NA	NA	NA	NA
39	Jun-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
40	Sep-08	< 1.3	3.8	NA	NA	NA	49	< 1.3	NA	NA	NA	NA	NA
41	Dec-08	< 1.3	3.0	NA	NA	NA	34	< 1.3	NA	NA	NA	NA	NA
42	Mar-09	< 0.5	2.3	NA	NA	NA	21	< 0.5	NA	NA	NA	NA	NA
43	Sep-09	< 0.5	7.1	NA	NA	NA	49	< 0.5	NA	NA	NA	NA	NA
44	Sep-10	< 0.5	1.3	NA	NA	NA	< 10	< 0.5	NA	NA	NA	NA	NA
45	Apr-11	< 0.5	2.9	NA	NA	NA	34	< 0.5	NA	NA	NA	NA	NA
46	Sep-11	< 0.5	1.4	NA	NA	NA	< 25	< 0.5	NA	NA	NA	NA	NA
47	Mar-12	< 0.6	1.4	NA	NA	NA	15	< 0.6	NA	NA	NA	NA	NA

Table C-2 Continued

MW-2													
Sampling Event No.	Date Sampled	EDB	EDC	1,2,4-TMB	1,3,5-TMB	t-Butanol	TBA	DIPE	Naphthalene	cis-1,2-DCE	TCE	PCE	Others
7	Jun-00	< 0.5	< 0.5	< 0.5	< 0.5	< 100	< 100	< 5.0	< 0.5	< 0.5	< 0.5	< 0.5	ND
14	Mar-02	< 1.0	< 1.0	< 1	< 1	220	NA	< 2	< 1	< 1	< 1	< 1	ND
18	Jan-03	< 5	< 5	< 5	< 5	NA	34	< 1	< 5	24	< 5	< 5	ND
19	Mar-03	< 0.26	< 0.17	< 0.49	< 0.26	NA	94	< 0.29	< 0.88	15	< 0.23	< 0.36	ND
21	Dec-03	< 0.6	< 0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
20	Aug-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	Dec-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	Mar-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23	Jun-04	< 0.5	2.0	NA	NA	NA	190	1.1	NA	NA	NA	NA	NA
24	Sep-04	< 0.5	1.2	NA	NA	NA	130	0.9	NA	NA	NA	NA	NA
25	Dec-04	< 0.5	< 0.5	NA	NA	NA	< 10	0.8	NA	NA	NA	NA	NA
26	Mar-05	< 1.0	< 1.0	NA	NA	NA	< 20	1.3	NA	NA	NA	NA	NA
27	Jun-05	< 0.50	< 0.50	NA	NA	NA	200	0.79	NA	NA	NA	NA	NA
28	Sep-05	< 0.50	0.6	NA	NA	NA	150	0.8	NA	NA	NA	NA	NA
29	Dec-05	< 0.50	< 0.50	NA	NA	NA	54	1.0	NA	NA	NA	NA	NA
30	Mar-06	< 0.7	< 0.7	NA	NA	NA	56	1.2	NA	NA	NA	NA	NA
31	Jun-06	< 0.8	1.4	NA	NA	NA	56	< 0.8	NA	NA	NA	NA	NA
32	Sep-06	< 0.5	1.3	NA	NA	NA	59	0.8	NA	NA	NA	NA	NA
33	Dec-06	< 0.5	1.3	NA	NA	NA	59	0.8	NA	NA	NA	NA	NA
34	Mar-07	< 0.5	2.5	NA	NA	NA	65	1.2	NA	NA	NA	NA	NA
35	Jun-07	< 0.5	< 0.5	NA	NA	NA	24	6.1	NA	NA	NA	NA	NA
37	Dec-07	< 0.5	< 0.5	NA	NA	NA	21	3.4	NA	NA	NA	NA	NA
38	Mar-08	< 0.5	1.4	NA	NA	NA	87	17	NA	NA	NA	NA	NA
39	Jun-08	< 0.5	1.9	NA	NA	NA	71	11	NA	NA	NA	NA	NA
40	Sep-08	< 0.5	1.8	NA	NA	NA	52	8	NA	NA	NA	NA	NA
41	Dec-08	< 0.5	1.8	NA	NA	NA	40	4.4	NA	NA	NA	NA	NA
42	Mar-09	< 0.5	1.1	NA	NA	NA	22	2.2	NA	NA	NA	NA	NA
43	Sep-09	< 0.5	1.0	NA	NA	NA	18	14.0	NA	NA	NA	NA	NA
44	Sep-10	< 0.5	2.1	NA	NA	NA	< 10	2.3	NA	NA	NA	NA	NA
45	Apr-11	< 0.5	1.4	NA	NA	NA	28	4.8	NA	NA	NA	NA	NA
46	Sep-11	< 0.5	1.4	NA	NA	NA	39	0.7	NA	NA	NA	NA	NA
47	Mar-12	< 0.5	< 0.5	NA	NA	NA	< 0.5	< 0.5	NA	NA	NA	NA	NA

Table C-2 Continued

MW-3													
Sampling Event No.	Date Sampled	EDB	EDC	1,2,4-TMB	1,3,5-TMB	t-Butanol	TBA	DIPE	Naphthalene	cis-1,2-DCE	TCE	PCE	Others
14	Mar-02	< 1.0	< 1.0	1.8	4.7	180	NA	< 2	2.2	< 1	< 1	< 1	ND
18	Jan-03	< 5	< 5	< 5	5.0	NA	76	< 1	< 5	21	< 5	< 5	(a)
19	Mar-03	< 0.26	< 0.17	< 0.49	< 0.26	NA	< 10	< 0.29	< 0.88	24	< 0.23	< 0.36	ND
20	Aug-03	< 0.5	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	Dec-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	Mar-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23	Jun-04	< 0.5	< 0.5	NA	NA	NA	130	1.9	NA	NA	NA	NA	NA
24	Sep-04	< 0.5	< 0.5	NA	NA	NA	82	1.5	NA	NA	NA	NA	NA
25	Dec-04	< 0.7	< 0.7	NA	NA	NA	< 14	1.3	NA	NA	NA	NA	NA
26	Mar-05	< 1.0	< 1.0	NA	NA	NA	< 20	1.1	NA	NA	NA	NA	NA
27	Jun-05	< 0.5	< 0.5	NA	NA	NA	160	1.4	NA	NA	NA	NA	NA
28	Sep-05	< 0.5	1.5	NA	NA	NA	94	0.9	NA	NA	NA	NA	NA
29	Dec-05	< 0.7	< 0.7	NA	NA	NA	67	1.2	NA	NA	NA	NA	NA
30	Mar-06	< 0.5	< 0.5	NA	NA	NA	29	1.0	NA	NA	NA	NA	NA
31	Jun-06	< 0.5	< 0.5	NA	NA	NA	52	2.2	NA	NA	NA	NA	NA
32	Sep-06	< 1.7	1.8	NA	NA	NA	53	1.7	NA	NA	NA	NA	NA
33	Dec-06	< 1.7	1.8	NA	NA	NA	53	1.7	NA	NA	NA	NA	NA
34	Mar-07	< 0.5	< 0.5	NA	NA	NA	37	1.9	NA	NA	NA	NA	NA
35	Jun-07	< 0.5	< 0.5	NA	NA	NA	10	1.0	NA	NA	NA	NA	NA
36	Sep-07	< 0.5	< 0.5	NA	NA	NA	49	1.9	NA	NA	NA	NA	NA
37	Dec-07	< 0.5	< 0.5	NA	NA	NA	71	8.6	NA	NA	NA	NA	NA
38	Mar-08	< 0.5	1.9	NA	NA	NA	74	8.3	NA	NA	NA	NA	NA
39	Jun-08	< 0.5	1.1	NA	NA	NA	22	3.2	NA	NA	NA	NA	NA
40	Sep-08	< 0.5	1.7	NA	NA	NA	21	3.0	NA	NA	NA	NA	NA
41	Dec-08	< 0.5	2.4	NA	NA	NA	33	3.2	NA	NA	NA	NA	NA
42	Mar-09	< 0.5	1.8	NA	NA	NA	41	2.8	NA	NA	NA	NA	NA
43	Sep-09	< 0.5	1.8	NA	NA	NA	35	1.8	NA	NA	NA	NA	NA
44	Sep-10	< 0.5	4.1	NA	NA	NA	< 10	3.0	NA	NA	NA	NA	NA
45	Apr-11	< 0.5	1.8	NA	NA	NA	14	2.2	NA	NA	NA	NA	NA
46	Sep-11	< 0.5	2.4	NA	NA	NA	54	3.6	NA	NA	NA	NA	NA
47	Mar-12	< 0.5	1.0	NA	NA	NA	45	1.5	NA	NA	NA	NA	NA

Table C-2 Continued

MW-4													
Sampling Event No.	Date Sampled	EDB	EDC	1,2,4-TMB	1,3,5-TMB	t-Butanol	TBA	DIPE	Naphthalene	cis-1,2-DCE	TCE	PCE	Others
7	Jun-00	< 0.5	< 0.5	< 0.5	< 0.5	< 100	< 100	< 5.0	< 0.5	< 0.5	< 0.5	< 0.5	ND
14	Mar-02	< 1.0	< 1.0	< 1	< 1	< 10	NA	< 2	< 1	2.9	3.7	5.0	ND
18	Jan-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
19	Mar-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
20	Aug-03	< 0.5	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	Dec-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	Mar-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23	Jun-04	< 0.5	< 0.5	NA	NA	NA	< 10	< 0.5	NA	NA	NA	NA	NA
24	Sep-04	< 0.5	< 0.5	NA	NA	NA	< 10	< 0.5	NA	NA	NA	NA	NA
25	Dec-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26	Mar-05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27	Jun-05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28	Sep-05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29	Dec-05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30	Mar-06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31	Jun-06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
32	Sep-06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
33	Dec-06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
34	Mar-07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
36	Sep-07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
37	Dec-07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
38	Mar-08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
39	Jun-08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
40	Sep-08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
41	Dec-08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
42	Mar-09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
43	Sep-09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
44	Sep-10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
45	Apr-11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
46	Sep-11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
47	Mar-12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table C-2 Continued

MW-5													
Sampling Event No.	Date Sampled	EDB	EDC	1,2,4-TMB	1,3,5-TMB	t-Butanol	TBA	DIPE	Naphthalene	cis-1,2-DCE	TCE	PCE	Others
14	Mar-02	< 1.0	< 1.0	< 1	2.7	640	NA	< 2	< 1	< 1	< 1	< 1	ND
18	Jan-03	< 50	< 50	512	122	NA	< 100	< 10	120	< 50	< 50	< 50	ND
19	Mar-03	< 0.26	< 0.17	554	107	NA	< 10	< 0.29	251	< 0.3	< 0.23	< 0.36	(b)
20	Aug-03	< 2.0	6.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	Dec-03	< 5.0	< 5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	Mar-04	< 0.26	< 0.17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23	Jun-04	< 3.1	< 3.1	NA	NA	NA	120	< 3.1	NA	NA	NA	NA	NA
24	Sep-04	< 4.2	18	NA	NA	NA	87	< 4.2	NA	NA	NA	NA	NA
25	Dec-04	< 4.2	< 4.2	NA	NA	NA	< 83	< 4.2	NA	NA	NA	NA	NA
26	Mar-05	< 1.7	< 1.7	NA	NA	NA	< 33	< 1.7	NA	NA	NA	NA	NA
27	Jun-05	< 7.1	< 7.1	NA	NA	NA	< 140	< 7.1	NA	NA	NA	NA	NA
28	Sep-05	< 1.3	7.7	NA	NA	NA	87	< 0.50	NA	NA	NA	NA	NA
29	Dec-05	< 1.7	< 1.7	NA	NA	NA	< 33	< 1.7	NA	NA	NA	NA	NA
30	Mar-06	< 2.0	< 2.0	NA	NA	NA	< 2.0	< 2.0	NA	NA	NA	NA	NA
31	Jun-06	< 2.0	10	NA	NA	NA	61	< 2.0	NA	NA	NA	NA	NA
32	Sep-06	< 3.6	5.5	NA	NA	NA	76	< 3.6	NA	NA	NA	NA	NA
33	Dec-06	< 3.6	5.5	NA	NA	NA	76	< 3.6	NA	NA	NA	NA	NA
34	Mar-07	< 3.6	< 3.6	NA	NA	NA	< 71	< 3.6	NA	NA	NA	NA	NA
35	Jun-07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
36	Sep-07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
37	Dec-07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
38	Mar-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
39	Jun-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
40	Sep-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
41	Dec-08	< 6.3	< 6.3	NA	NA	NA	< 130	< 6.3	NA	NA	NA	NA	NA
42	Mar-09	< 1.7	2.1	NA	NA	NA	33	< 1.7	NA	NA	NA	NA	NA
43	Sep-09	< 10	< 10	NA	NA	NA	< 200	< 10	NA	NA	NA	NA	NA
44	Sep-10	< 5.0	< 5.0	NA	NA	NA	750	< 5.0	NA	NA	NA	NA	NA
45	Apr-11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
46	Sep-11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
47	Mar-12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table C-2 Continued

MW-6													
Sampling Event No.	Date Sampled	EDB	EDC	1,2,4-TMB	1,3,5-TMB	t-Butanol	TBA	DIPE	Naphthalene	cis-1,2-DCE	TCE	PCE	Others
14	Mar-02	< 1.0	< 1.0	< 1	2.2	< 10	NA	< 2	1.6	< 1	< 1	< 1	ND
18	Jan-03	< 5.0	< 5.0	13	< 5	NA	46	< 1	< 5	< 5	< 5	< 5	ND
19	Mar-03	< 0.26	6.9	< 0.49	< 0.26	NA	40	< 0.29	< 0.88	< 0.3	< 0.23	< 0.36	(c.)
20	Aug-03	< 0.5	12.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	Dec-03	< 0.50	11 /	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	Mar-04	< 0.26	31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23	Jun-04	< 0.5	19	NA	NA	NA	54	1.0	NA	NA	NA	NA	NA
24	Sep-04	< 0.5	31	NA	NA	NA	43	1.0	NA	NA	NA	NA	NA
25	Dec-04	< 0.5	24	NA	NA	NA	32	0.7	NA	NA	NA	NA	NA
26	Mar-05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27	Jun-05	< 0.50	< 0.50	NA	NA	NA	26	< 0.50	NA	NA	NA	NA	NA
28	Sep-05	< 0.50	15	NA	NA	NA	43	0.7	NA	NA	NA	NA	NA
29	Dec-05	< 0.50	13	NA	NA	NA	30	0.9	NA	NA	NA	NA	NA
30	Mar-06	< 0.50	15	NA	NA	NA	19	0.6	NA	NA	NA	NA	NA
31	Jun-06	< 0.50	28	NA	NA	NA	53	1.3	NA	NA	NA	NA	NA
32	Sep-06	< 0.50	11	NA	NA	NA	46	0.7	NA	NA	NA	NA	NA
33	Dec-06	< 0.50	11	NA	NA	NA	46	0.7	NA	NA	NA	NA	NA
34	Mar-07	< 0.5	10	NA	NA	NA	25	< 0.5	NA	NA	NA	NA	NA
35	Jun-07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
36	Sep-07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
37	Dec-07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
38	Mar-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
39	Jun-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
40	Sep-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
41	Dec-08	< 0.5	18	NA	NA	NA	< 10	0.7	NA	NA	NA	NA	NA
42	Mar-09	< 0.5	4.7	NA	NA	NA	< 10	0.6	NA	NA	NA	NA	NA
43	Sep-09	< 0.5	9	NA	NA	NA	< 10	0.8	NA	NA	NA	NA	NA
44	Sep-10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
45	Apr-11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
46	Sep-11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
47	Mar-12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table C-2 Continued

MW-7													
Sampling Event No.	Date Sampled	EDB	EDC	1,2,4-TMB	1,3,5-TMB	t-Butanol	TBA	DIPE	Naphthalene	cis-1,2-DCE	TCE	PCE	Others
14	Mar-02	< 1.0	< 1.0	< 1	< 1	< 10	NA	< 2	< 1	< 1	< 1	< 1	ND
18	Jan-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
19	Mar-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
20	Aug-03	< 0.5	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	Dec-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	Mar-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23	Jun-04	< 0.5	< 0.5	NA	NA	NA	< 10	< 0.5	NA	NA	NA	NA	NA
24	Sep-04	< 0.5	< 0.5	NA	NA	NA	< 10	< 0.5	NA	NA	NA	NA	NA
25	Dec-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
26	Mar-05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27	Jun-05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
28	Sep-05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29	Dec-05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30	Mar-06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
31	Jun-06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
32	Sep-06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
32	Sep-06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
33	Dec-06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
34	Mar-07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
35	Jun-07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
36	Sep-07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
37	Dec-07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
38	Mar-08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
39	Jun-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
40	Sep-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
41	Dec-08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
42	Mar-09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
43	Sep-09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
44	Sep-10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
45	Apr-11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
46	Sep-11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
47	Mar-12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table C-2 Continued

MW-8													
Sampling Event No.	Date Sampled	EDB	EDC	1,2,4-TMB	1,3,5-TMB	t-Butanol	TBA	DIPE	Naphthalene	cis-1,2-DCE	TCE	PCE	Others
14	Mar-02	< 1.0	< 1.0	< 1.0	< 1.0	< 10	NA	< 2.0	< 1.0	< 1.0	< 1.0	< 1.0	ND
18	Jan-03	NA	NA	< 1.0	< 1.0	NA	NA	NA	NA	NA	NA	NA	ND
19	Mar-03	< 0.26	< 0.17	< 0.49	< 0.26	NA	< 10	< 0.29	< 0.88	< 0.3	< 0.23	< 0.36	ND
20	Aug-03	< 0.5	< 0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21	Dec-03	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	Mar-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23	Jun-04	< 0.5	< 0.5	NA	NA	NA	61	1.0	NA	NA	NA	NA	NA
24	Sep-04	< 0.5	< 0.5	NA	NA	NA	96	1.1	NA	NA	NA	NA	NA
25	Dec-04	< 0.5	< 0.5	NA	NA	NA	< 10	1.0	NA	NA	NA	NA	NA
26	Mar-05	< 0.5	< 0.5	NA	NA	NA	< 10	0.6	NA	NA	NA	NA	NA
27	Jun-05	< 0.50	25.0	NA	NA	NA	42	1.1	NA	NA	NA	NA	NA
28	Sep-05	< 0.50	< 0.5	NA	NA	NA	120	1.4	NA	NA	NA	NA	NA
29	Dec-05	< 0.50	< 0.50	NA	NA	NA	27	< 0.50	NA	NA	NA	NA	NA
30	Mar-06	< 0.50	< 0.50	NA	NA	NA	17	0.6	NA	NA	NA	NA	NA
31	Jun-06	< 0.50	< 0.50	NA	NA	NA	20	0.9	NA	NA	NA	NA	NA
32	Sep-06	< 0.50	< 0.50	NA	NA	NA	12	< 0.50	NA	NA	NA	NA	NA
33	Dec-06	< 0.50	< 0.50	NA	NA	NA	12	< 0.50	NA	NA	NA	NA	NA
34	Mar-07	< 0.50	< 0.50	NA	NA	NA	<10	< 0.50	NA	NA	NA	NA	NA
35	Jun-07	<0.5	<0.5	NA	NA	NA	14	1.3	NA	NA	NA	NA	NA
36	Sep-07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
37	Dec-07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
38	Mar-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
39	Jun-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
40	Sep-08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
41	Dec-08	<0.5	<0.5	NA	NA	NA	24	2.6	NA	NA	NA	NA	NA
42	Mar-09	<0.5	<0.5	NA	NA	NA	34	2.5	NA	NA	NA	NA	NA
43	Sep-09	<0.5	0.6	NA	NA	NA	46	2.8	NA	NA	NA	NA	NA
44	Sep-10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
45	Apr-11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
46	Sep-11	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
47	Mar-12	<0.5	<0.5	NS	NS	NS	<10	<0.5	NS	NS	NS	NS	NS

Table C-2 Notes:

Table includes only detected contaminants.

EDB = Ethylene dibromide, aka 1,2-Dibromoethane (lead scavenger)

EDC = Ethylene dichloride, aka 1,2-Dichloroethane (lead scavenger)

PCE = Tetrachloroethylene

TCE = Trichloroethylene

(a) Also detected were: n-propylbenzene (5.4 mg/L); p-Isopropyltoluene (14 mg/L); sec-Butylbenzene (7.2 mg/L)

(b) Also detected were: isopropylbenzene (38 mg/L); n-Butylbenzene (20 mg/L); n-propyl TBA = Tertiary butyl alcohol

(c.) Also detected were: isopropylbenzene DCE = Dichloroethylene ND = Not Detected

NS = Not Sampled

TMB = Trimethylbenzene

NA = Not analyzed for this constituent

Table D-1
Historical Water Levels in Monitoring Wells
240 W. MacArthur Boulevard, Oakland, Alameda, California

Well I.D.	Sampling Event No.	Date Measured	Water Level Depth (a)	Water Level Elevation (b)
MW-1	1	Aug-97	16.83	62.32
	2	Dec-97	NA	NA
	3	Mar-98	13.58	65.57
	4	Jul-98	15.55	63.60
	5	Oct-98	15.70	63.45
	6	Jan-99	15.21	63.94
	7	Jun-00	15.41	63.74
	8	Dec-00	NA	NA
	9	Feb-01	NA	NA
	10	May-01	15.57	63.58
	11	Jul-01	16.42	62.73
	12	Oct-01	16.82	62.33
	13	Dec-01	15.08	64.07
	14	Mar-02	14.53	64.62
	15	May-02	NA	NA
	16	Jul-02	16.39	62.76
	17	Oct-02	17.03	62.12
	18	Jan-03	14.91	64.24
	19	Mar-03	15.26	63.89
	20	Aug-03	16.24	62.91
	21	Dec-03	16.90	62.25
	22	Mar-04	14.33	64.82
	23	Jun-04	16.28	62.87
	24	Sep-04	17.03	62.12
	25	Dec-04	16.38	62.77
	26	Mar-05	14.30	64.85
	27	Jun-05	15.53	63.82
	28	Sep-05	16.42	62.73
	29	Dec-05	15.67	63.48
	30	Mar-06	12.75	66.40
	31	Jun-06	14.60	64.55
	32	Sep-06	16.52	62.63
	33	Dec-06	15.89	63.26
	34	Mar-07	15.50	63.65
	35	Jun-07	20.90	58.25
	36	Sep-07	23.30	55.85
	37	Dec-07	22.51	56.64
	38	Mar-08	20.70	58.45
	39	Jun-08	NM	Dry
	40	Sep-08	22.20	56.95
	41	Dec-08	17.90	61.25
	42	Mar-09	14.93	64.22
	43	Sep-09	15.70	63.45
	44	Sep-10	23.36	55.79
	45	Apr-11	20.61	57.54
	46	Sep-11	22.86	56.29
	47	Mar-12	22.86	56.29

Notes:

(a) Feet below well top of casing.

(b) Relative to mean sea level.

NA = Data Not Available

NM = Not Measurable

Data prior to August 2003 are likely not valid as well elevations were not surveyed.

Table D-1 (continued)

Well I.D.	Sampling Event No.	Date Measured	Water Level Depth (a)	Water Level Elevation (b)
MW-2				
	1	Aug-97	16.32	62.13
	2	Dec-97	NA	NA
	3	Mar-98	13.05	64.95
	4	Jul-98	14.95	63.50
	5	Oct-98	15.09	63.36
	6	Jan-99	14.61	63.84
	7	Jun-00	14.80	63.65
	8	Dec-00	NA	NA
	9	Feb-01	NA	NA
	10	May-01	14.98	63.47
	11	Jul-01	15.86	62.59
	12	Oct-01	16.69	61.76
	13	Dec-01	13.49	64.96
	14	Mar-02	13.07	65.38
	15	May-02	NA	NA
	16	Jul-02	15.86	62.59
	17	Oct-02	16.54	61.91
	18	Jan-03	14.37	64.08
	19	Mar-03	14.74	63.71
	20	Aug-03	15.75	62.70
	21	Dec-03	16.11	62.34
	22	Mar-04	13.83	64.82
	23	Jun-04	15.76	62.69
	24	Sep-04	16.48	61.97
	25	Dec-04	15.74	62.71
	26	Mar-05	13.48	64.97
	27	Jun-05	14.48	63.97
	28	Sep-05	16.00	62.45
	29	Dec-05	14.88	63.57
	30	Mar-06	12.20	66.25
	31	Jun-06	14.15	64.30
	32	Sep-06	16.00	62.45
	33	Dec-06	15.19	63.26
	34	Mar-07	14.78	63.67
	35	Jun-07	20.60	57.85
	36	Sep-07	23.80	54.65
	37	Dec-07	22.36	56.09
	38	Mar-08	20.15	58.30
	39	Jun-08	20.60	57.85
	40	Sep-08	22.23	56.52
	41	Dec-08	17.94	60.51
	42	Mar-09	14.45	64.00
	43	Sep-09	15.90	62.55
	44	Sep-10	23.51	54.94
	45	Apr-11	20.64	57.81
	46	Sep-11	23.05	55.40
47	Mar-12	23.05	55.40	

Notes:

(a) Feet below well top of casing.

(b) Relative to mean sea level.

NA = Data Not Available

Data prior to August 2003 are likely not valid as well elevations were not surveyed.

Table D-1 (continued)

Well I.D.	Sampling Event No.	Date Measured	Water Level Depth (a)	Water Level Elevation (b)
MW-3	1	Aug-97	15.36	62.22
	2	Dec-97	NA	NA
	3	Mar-98	12.18	65.40
	4	Jul-98	14.08	63.50
	5	Oct-98	14.24	63.34
	6	Jan-99	13.74	63.84
	7	Jun-00	13.94	63.64
	8	Dec-00	NA	NA
	9	Feb-01	NA	NA
	10	May-01	14.08	63.50
	11	Jul-01	14.99	62.59
	12	Oct-01	16.26	61.32
	13	Dec-01	13.62	63.96
	14	Mar-02	13.19	64.39
	15	May-02	NA	NA
	16	Jul-02	14.97	62.61
	17	Oct. 2002	15.44	62.14
	18	Jan-03	13.49	64.09
	19	Mar-03	13.83	63.75
	20	Aug-03	14.90	62.68
	21	Dec-03	15.10	62.48
	22	Mar-04	12.93	64.65
	23	Jun-04	14.90	62.68
	24	Sep-04	15.61	61.97
	25	Dec-04	14.77	62.81
	26	Mar-05	12.60	64.98
	27	Jun-05	13.73	63.85
	28	Sep-05	15.14	62.44
	29	Dec-05	13.94	63.64
	30	Mar-06	11.25	66.33
	31	Jun-06	13.27	64.31
	32	Sep-06	15.12	62.46
	33	Dec-06	14.34	63.24
	34	Mar-07	13.96	63.62
	35	Jun-07	19.60	57.98
	36	Sep-07	22.90	54.68
	37	Dec-07	21.45	56.13
	38	Mar-08	19.20	58.38
	39	Jun-08	18.80	58.78
	40	Sep-08	21.97	55.61
	41	Dec-08	16.74	60.84
	42	Mar-09	13.68	63.90
	43	Sep-09	15.10	62.48
	44	Sep-10	22.53	55.05
	45	Apr-11	19.80	57.78
	46	Sep-11	22.12	55.46
	47	Mar-12	22.12	55.46

Notes:

(a) Feet below well top of casing.

(b) Relative to mean sea level.

NA = Data Not Available

Data prior to August 2003 are likely not valid as well elevations were not surveyed.

Table D-1 (continued)

Well I.D.	Sampling Event No.	Date Measured	Water Level Depth (a)	Water Level Elevation (b)
MW-4	1	Aug-97	NA	NA
	2	Dec-97	NA	NA
	3	Mar-98	11.87	65.87
	4	Jul-98	13.90	63.84
	5	Oct-98	14.10	63.64
	6	Jan-99	13.56	64.18
	7	Jun-00	13.75	63.99
	8	Dec-00	NA	NA
	9	Feb-01	NA	NA
	10	May-01	13.65	64.09
	11	Jul-01	14.87	62.87
	12	Oct-01	15.78	61.96
	13	Dec-01	13.54	64.20
	14	Mar-02	13.02	64.72
	15	May-02	NA	NA
	16	Jul-02	14.81	62.93
	17	Oct-02	15.56	62.18
	18	Jan-03	13.39	64.35
	19	Mar-03	13.75	63.99
	20	Aug-03	14.75	62.99
	21	Dec-03	15.11	62.63
	22	Mar-04	12.78	64.96
	23	Jun-04	14.68	63.06
	24	Sep-04	15.17	62.57
	25	Dec-04	14.90	62.84
	26	Mar-05	12.57	65.17
	27	Jun-05	13.43	64.31
	28	Sep-05	15.13	62.61
	29	Dec-05	13.83	63.91
	30	Mar-06	10.90	66.84
	31	Jun-06	13.02	64.72
	32	Sep-06	15.16	62.58
	33	Dec-06	14.35	63.39
	34	Mar-07	13.85	63.89
	35	Jun-07	18.41	59.33
	36	Sep-07	19.36	58.38
	37	Dec-07	19.13	58.61
	38	Mar-08	17.91	59.83
	39	Jun-08	18.23	59.51
	40	Sep-08	19.89	57.85
	41	Dec-08	16.41	61.33
	42	Mar-09	13.30	64.44
	43	Sep-09	14.88	62.86
	44	Sep-10	19.63	58.11
	45	Apr-11	17.90	59.84
	46	Sep-11	19.20	58.54
	47	Mar-12	19.20	58.54

Notes:

(a) Feet below well top of casing.

(b) Relative to mean sea level.

NA = Data Not Available

Data prior to August 2003 are likely not valid as well elevations were not surveyed.

Table D-1 (continued)

Well I.D.	Sampling Event No.	Date Measured	Water Level Depth (a)	Water Level Elevation (b)
MW-5	9	Feb-01	NA	NA
	10	May-01	15.65	63.71
	11	Jul-01	16.50	62.86
	12	Oct-01	17.46	61.90
	13	Dec-01	15.28	64.08
	14	Mar-02	14.62	64.74
	15	May-02	NA	NA
	16	Jul-02	16.46	62.90
	17	Oct-02	17.18	62.18
	18	Jan-03	14.99	64.37
	19	Mar-03	15.33	64.03
	20	Aug-03	16.34	63.02
	21	Dec-03	16.90	62.46
	22	Mar-04	14.44	64.92
	23	Jun-04	16.43	62.93
	24	Sep-04	17.07	62.29
	25	Dec-04	16.59	62.77
	26	Mar-05	14.08	65.28
	27	Jun-05	15.33	64.03
	28	Sep-05	16.61	62.75
	29	Dec-05	15.81	63.55
	30	Mar-06	12.75	66.61
	31	Jun-06	14.65	64.71
	32	Sep-06	16.66	62.70
	33	Dec-06	16.10	63.26
	34	Mar-07	15.22	64.14
	35	Jun-07	19.29	60.07
	36	Sep-07	NM	Dry
	37	Dec-07	NM	Dry
	38	Mar-08	NM	Dry
	39	Jun-08	NM	Dry
	40	Sep-08	NM	Dry
	41	Dec-08	17.81	61.55
	42	Mar-09	15.02	64.34
	43	Sep-09	16.50	62.86 (c)
	44	Sep-10	19.23	60.13
	45	Apr-11	NM	Dry
	46	Sep-11	NM	Dry
	47	Mar-12	NM	Dry

Notes:

(a) Feet below well top of casing.

NA = Data Not Available

Data prior to August 2003 are likely not valid as well elevations were not surveyed.

(b) Relative to mean sea level.

(c) 0.20 feet of LNPL measured

NM = Not measurable or unreliable

Table D-1 (continued)

Well I.D.	Sampling Event No.	Date Measured	Water Level Depth (a)	Water Level Elevation (b)
MW-6	9	Feb-01	NA	NA
	10	May-01	15.54	62.89
	11	Jul-01	15.56	62.87
	12	Oct-01	16.41	62.02
	13	Dec-01	14.37	64.06
	14	Mar-02	13.75	64.68
	15	May-02	NA	NA
	16	Jul-02	15.55	62.88
	17	Oct-02	16.24	62.19
	18	Jan-03	14.17	64.26
	19	Mar-03	14.52	63.91
	20	Aug-03	15.50	62.93
	21	Dec-03	16.19	62.24
	22	Mar-04	13.51	64.92
	23	Jun-04	15.42	63.01
	24	Sep-04	16.13	62.30
	25	Dec-04	15.40	63.03
	26	Mar-05	13.28	65.15
	27	Jun-05	14.14	64.29
	28	Sep-05	15.61	62.82
	29	Dec-05	14.90	63.53
	30	Mar-06	11.85	66.58
	31	Jun-06	13.73	64.70
	32	Sep-06	15.71	62.72
	33	Dec-06	15.15	63.28
	34	Mar-07	14.58	63.85
	35	Jun-07	19.40	59.03
	36	Sep-07	20.00	Dry
	37	Dec-07	NM	Dry
	38	Mar-08	NM	Dry
39	Jun-08	NM	Dry	
40	Sep-08	NM	Dry	
41	Dec-08	16.91	61.52	
42	Mar-09	14.32	64.11	
43	Sep-09	15.55	62.88	
44	Sep-10	19.23	60.13	
45	Apr-11	NM	Dry	
46	Sep-11	NM	Dry	
47	Mar-12	NM	Dry	

Notes:

(a) Feet below well top of casing.

(b) Relative to mean sea level.

NA = Data Not Available

NM = Not measurable or unreliable

Data prior to August 2003 are likely not valid as well elevations were not surveyed.

Table D-1 (continued)

Well I.D.	Sampling Event No.	Date Measured	Water Level Depth (a)	Water Level Elevation (b)
MW-7	9	Feb-01	NA	NA
	10	May-01	15.04	62.23
	11	Jul-01	15.69	62.58
	12	Oct-01	16.59	61.68
	13	Dec-01	14.30	63.97
	14	Mar-02	13.87	64.40
	15	May-02	NA	NA
	16	Jul-02	15.72	62.55
	17	Oct-02	16.36	61.91
	18	Jan-03	14.22	64.05
	19	Mar-03	14.57	63.70
	20	Aug-03	15.61	62.66
	21	Dec-03	16.04	62.23
	22	Mar-04	13.57	64.70
	23	Jun-04	15.63	62.64
	24	Sep-04	16.33	61.94
	25	Dec-04	15.70	62.57
	26	Mar-05	13.42	64.85
	27	Jun-05	14.53	63.74
	28	Sep-05	15.81	62.46
	29	Dec-05	14.88	63.39
	30	Mar-06	13.00	65.27
	31	Jun-06	13.98	64.29
	32	Sep-06	15.82	62.45
	33	Dec-06	15.12	63.15
	34	Mar-07	14.66	63.61
	35	Jun-07	19.18	59.09
	36	Sep-07	19.96	Dry
	37	Dec-07	NM	Dry
	38	Mar-08	NM	Dry
	39	Jun-08	NM	Dry
	40	Sep-08	NM	Dry
	41	Dec-08	17.25	61.02
	42	Mar-09	14.30	63.97
	43	Sep-09	15.71	62.56
	44	Sep-10	19.52	58.75
	45	Apr-11	NM	Dry
	46	Sep-11	NM	Dry
	47	Mar-12	NM	Dry

Notes:

(a) Feet below well top of casing.

(b) Relative to mean sea level.

NA = Data Not Available

NM = Not measurable or unreliable

Data prior to August 2003 are likely not valid as well elevations were not surveyed.

Table D-1 (continued)

Well I.D.	Sampling Event No.	Date Measured	Water Level Depth (a)	Water Level Elevation (b)
MW-8	10	May-01	12.75	63.64
	11	Jul-01	13.84	62.55
	12	Oct-01	14.65	61.74
	13	Dec-01	12.39	64.00
	14	Mar-02	11.89	64.50
	15	May-02	NA	NA
	16	Jul-02	13.96	62.43
	17	Oct-02	14.48	61.91
	18	Jan-03	12.49	63.90
	19	Mar-03	12.85	63.54
	20	Aug-03	13.75	62.65
	21	Dec-03	14.50	61.89
	22	Mar-04	11.78	64.61
	23	Jun-04	13.71	62.68
	24	Sep-04	14.43	61.96
	25	Dec-04	13.64	62.75
	26	Mar-05	11.52	64.87
	27	Jun-05	12.50	63.89
	28	Sep-05	13.90	62.49
	29	Dec-05	12.75	63.64
	30	Mar-06	10.80	65.59
	31	Jun-06	12.10	64.29
	32	Sep-06	13.93	62.46
	33	Dec-06	13.12	63.27
	34	Mar-07	12.76	63.63
	35	Jun-07	18.40	Dry
	36	Sep-07	19.12	Dry
	37	Dec-07	NM	Dry
	38	Mar-08	NM	Dry
	39	Jun-08	NM	Dry
	40	Sep-08	NM	Dry
	41	Dec-08	17.21	59.18
	42	Mar-09	12.60	63.79
	43	Sep-09	13.95	62.44
	44	Sep-10	19.29	57.10
	45	Apr-11	NM	Dry
	46	Sep-11	NM	Dry
	47	Mar-12	18.38	58.01

Notes:

(a) Feet below well top of casing.

(b) Relative to mean sea level.

NA = Data Not Available

NM = Not measurable or unreliable

Data prior to August 2003 are likely not valid as well elevations were not surveyed.

**Field Sampling Report,
Certified Laboratory Analytical Report
and Chain-of Custody Record**

WELL GAUGING DATA

Project # 120330-PCI Date 3/30/12 Client Stellar

Site 240 W. MacArthur Blvd., Oakland

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-1	0802	2					20.35	24.58	↓	
MW-2	0753	2				20.10	24.28			
MW-3	0756	2				19.28	24.31			
MW-4	0721	2				18.02	23.85			
MW-5	0715	2				20.18	20.19			
MW-6	0750	2				19.39	20.25			
MW-7	0728	2				19.41	20.09			
MW-8	0744	2				18.38	19.85			

WELLHEAD INSPECTION CHECKLIST

Date 3/30/12 Client Stellar

Site Address 240 W. MacArthur Blvd, Oakland

Job Number 120330-PCI Technician P. Lornish

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-1		X					X	
MW-2	FF	X					X	
MW-3							X	
MW-4							X	
MW-5							X	
MW-6							X	
MW-7							X	
MW-8							X	

NOTES: MW-1, MW-5 2/2 bolts missing MW-4 2/2 tabs stripped
 MW-8 2/4 " " MW-3 2/2 " "
 MW-2 2/2 " "
 MW-6 2/2 " "
 MW-7 2/2 " "

WELL MONITORING DATA SHEET

Project #: 120330-PC1	Client: Stellar Env. Solutions @ Oakland Auto
Sampler: PC	Date: 3/30/12
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 24.58	Depth to Water (DTW): 20.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.20	

Purge Method: Bailer <input checked="" type="checkbox"/> Disposable Bailer Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--	--	---

$\frac{0.7 \text{ (Gals.)} \times 3 \text{ Specified Volumes}}{1 \text{ Case Volume}} = 2.1 \text{ Gals. Calculated Volume}$	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0944	17.7	6.95	474.4	>1000	0.7	sheen odor
0948	17.1	6.95	473.3	>1000	1.4	↓
0952	17.2	6.97	476.2	>1000	2.1	↓

Did well dewater? Yes No Gallons actually evacuated: 2.1

Sampling Date: 3/30/12 Sampling Time: 1110 Depth to Water: 21.11

Sample I.D.: MW-1 Laboratory: Curtis & Tompkins

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) ~~Other: Diss. Chrome & Hex Chrome~~ ^{SEFLC}

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 120330-PC1	Client: Stellar Env. Solutions @ Oakland Auto
Sampler: PC	Date: 3/30/12
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth (TD): 24.28	Depth to Water (DTW): 20.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 20.94	

Purge Method: Bailer <input checked="" type="checkbox"/> Disposable Bailer Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--	--	---

$0.7 \text{ (Gals.)} \times 3 = 2.1 \text{ Gals.}$ I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0902	18.0	6.51	588.1	579	0.7	
0909	18.2	6.43	606.0	7100	1.4	
0916	18.0	6.54	593.7	7100	2.1	

Did well dewater? Yes <input checked="" type="checkbox"/> No	Gallons actually evacuated: 2.1	
Sampling Date: 3/30/12	Sampling Time: 091010	Depth to Water: 20.82
Sample I.D.: MW-2	Laboratory: Curtis & Tompkins	
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5)	Other: Diss. Chrome & Hex Chrome SEE LOG	
EB I.D. (if applicable):	@ Time	Duplicate I.D. (if applicable):
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5)	Other:	
D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

WELL MONITORING DATA SHEET

Project #: 120330-PC1	Client: Stellar Env. Solutions @ Oakland Auto
Sampler: PC	Date: 3/30/12
Well I.D.: MW-3	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth (TD): <u>24.31</u>	Depth to Water (DTW): <u>19.28</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>20.29</u>	

Purge Method: Bailer <input checked="" type="checkbox"/> Disposable Bailer Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--	--	---

$\frac{0.8 \text{ (Gals.)} \times 3 \text{ Specified Volumes}}{1 \text{ Case Volume}} = 2.4 \text{ Gals. Calculated Volume}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
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1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0930	18.1	6.48	714.2	167	0.8	
0937	18.9	6.30	717.0	91	1.6	
0939	18.7	6.30	7178.0	64	2.4	

Did well dewater? Yes No Gallons actually evacuated: 2.4

Sampling Date: 3/30/12 Sampling Time: 1025 Depth to Water: 20.19

Sample I.D.: MW-3 Laboratory: Curtis & Tompkins

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: Diss. Chrome & Hex Chrome

EB I.D. (if applicable): _____ @ _____ Time Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 120330-PC1	Client: Stellar Env. Solutions @ Oakland Auto
Sampler: PC	Date: 3/30/12
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth (TD): 23.85	Depth to Water (DTW): 18.02
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 19.19	

Purge Method: Bailer Waterra Sampling Method: Bailer
 Disposable Bailer Peristaltic Disposable Bailer
 Positive Air Displacement Extraction Pump Extraction Port
 Electric Submersible Other _____ Dedicated Tubing

Other: _____

$0.9 \text{ (Gals.)} \times 3 = 2.7 \text{ Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
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1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														
1 Case Volume Specified Volumes Calculated Volume																	

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0816	18.3	8.43	520.9	497	0.9	
0820	18.6	7.30	445.0	935	1.8	
0824	17.9	6.82	434.2	7000	2.7	

Did well dewater? Yes No Gallons actually evacuated: 2.7

Sampling Date: 3/30/12 Sampling Time: 1000 Depth to Water: 19.02

Sample I.D.: MW-4 Laboratory: Curtis & Tompkins

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: Diss. Chrome & Hex Chrome

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 120330-PC1	Client: Stellar Env. Solutions @ Oakland Auto
Sampler: PC	Date: 3/2/12
Well I.D.: MW-5	Well Diameter: ② 3 4 6 8 _____
Total Well Depth (TD): 20.19	Depth to Water (DTW): 20.18
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--	--	---

_____ (Gals.) X _____ = _____ Gals. I Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
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1"	0.04	4"	0.65														
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3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
			<i>Insufficient water. No sample</i>			

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Date: 3 / / 12	Sampling Time: Depth to Water:
Sample I.D.: MW-	Laboratory: Curtis & Tompkins
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: Diss-Chrome & Hex-Chrome	
EB I.D. (if applicable): @ _____ Time	Duplicate I.D. (if applicable):
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:	
D.O. (if req'd): Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: _____ mV

WELL MONITORING DATA SHEET

Project #: 120330-PC1	Client: Stellar Env. Solutions @ Oakland Auto
Sampler: PC	Date: 3/30/12
Well I.D.: MW-6	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth (TD): <u>20.25</u>	Depth to Water (DTW): <u>19.39</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--	--	---

_____ (Gals.) X _____ = _____ Gals. 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
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1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
			<i>Insufficient Water for Purge or Sample</i>			

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Date: 3 / / 12	Sampling Time: Depth to Water:
Sample I.D.: MW-	Laboratory: Curtis & Tompkins
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: Diss. Chrome & Hex Chrome	
EB I.D. (if applicable): @ _____ Time	Duplicate I.D. (if applicable):
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:	
D.O. (if req'd): Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: _____ mV

WELL MONITORING DATA SHEET

Project #: 120330-PC1	Client: Stellar Env. Solutions @ Oakland Auto
Sampler: PC	Date: 3/30/12
Well I.D.: MW-7	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth (TD): 20.09	Depth to Water (DTW): 19.41
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--	--	---

_____ (Gals.) X _____ = _____ Gals. 1 Case Volume Specified Volumes Calculated Volume	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
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1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
						<i>Inufficient water for purge of sample</i>

Did well dewater? Yes No	Gallons actually evacuated:
Sampling Date: 3 / / 12	Sampling Time: Depth to Water:
Sample I.D.: MW-	Laboratory: Curtis & Tompkins
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5)	Other: Diss. Chrome & Hex Chrome
EB I.D. (if applicable): @ _____ Time	Duplicate I.D. (if applicable):
Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5)	Other:
D.O. (if req'd): Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: _____ mV



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 235254
ANALYTICAL REPORT**

Stellar Environmental Solutions
2198 6th Street
Berkeley, CA 94710

Project : 2003-43
Location : Oakland Autoworks
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
MW-1	235254-001
MW-2	235254-002
MW-3	235254-003
MW-8	235254-004
MW-4	235254-005

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: 
Project Manager

Date: 04/06/2012

NELAP # 01107CA

CASE NARRATIVE

Laboratory number: 235254
Client: Stellar Environmental Solutions
Project: 2003-43
Location: Oakland Autoworks
Request Date: 03/30/12
Samples Received: 03/30/12

This data package contains sample and QC results for five water samples, requested for the above referenced project on 03/30/12. 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.

Chain of Custody Record

Laboratory Curtis and Tompkins, Ltd.
 Address 2323 Fifth Street
Berkeley, California 94710
510-486-0900

Method of Shipment Hand Delivery

235254

Lab job no. _____

Date 3/30/12

Page 1 of 1

Project Owner Mr. Glen Poywing
 Site Address 240 W. MacArthur Blvd
Oakland, CA 94612
 Project Name Oakland Autoworks
 Project Number 2003-43

Shipment No. _____
 Airbill No. _____
 Cooler No. _____
 Project Manager Richard Makdisi
 Telephone No. (510) 644-3123
 Fax No. (510) 644-3859
 Samplers: (Signature) Pietro

Filtered
 No. of Containers
 TWH-G (BOISH)
 TEH-D (BOISH)
 BTX-MTR (BOISH)
 5 Oxy (B2602)
 EDC (B2602)

Field Sample Number	Location/Depth	Date	Time	Sample Type	Type/Size of Container	Preservation		No	Analysis Required				Remarks
						Cooler	Chemical						
1 MW-1		3/30	1110	W	40ml VOA/50ml Amber	yes	HCl/HP	8	X	X	X	X	
2 MW-2			1010					8	X	X	X	X	
3 MW-3			1025					8	X	X	X	X	
4 MW-8			1115					8	X	X	X	X	limited volume
5 MW-4			1000					3	X	X	X	X	

Relinquished by: Signature _____ Printed <u>P. Pietropaoli</u> Company <u>Stellar Environmental</u>	Date	Received by: Signature _____ Printed _____ Company _____	Date	Relinquished by: Signature <u>Pietro</u> Printed <u>P. Cornish</u> Company <u>BTS</u>	Date	Received by: Signature <u>Ricky Grams</u> Printed <u>Ricky Grams</u> Company <u>EST</u>	Date		
	Time		Time		Time	Time			
Turnaround Time: <u>5 Day TAT</u> Comments: <u>Global ID: TO600102243</u>				Relinquished by: Signature <u>Ricky Grams</u> Printed <u>Ricky Grams</u> Company <u>EST</u>				Received by: Signature <u>Isabelle Chy</u> Printed <u>Isabelle Chy</u> Company <u>EST</u>	
								Date	
								Time	

2000-00-01

infect cold or is RC

COOLER RECEIPT CHECKLIST



Login # 235254 Date Received 3/30/12 Number of coolers 1
 Client STEAR Project OAKLAND WATERWORKS

Date Opened 3/30/12 By (print) I CANY (sign) [Signature]
 Date Logged in ↓ 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: * Notify PM if temperature exceeds 6°C

Type of ice used: Wet Blue/Gel None Temp(°C) 3.2 °C

Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

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 there any missing / extra samples? _____ YES NO

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

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

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

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

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

16. Did you check preservatives for all bottles for each sample? _____ YES NO N/A

17. Did you document your preservative check? _____ YES NO N/A

18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO N/A

19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO N/A

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

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

COMMENTS

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	235254	Location:	Oakland Autoworks
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC634220	Batch#:	185194
Matrix:	Water	Analyzed:	04/03/12
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	3,000	2,860	95	79-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	97	76-121

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	235254	Location:	Oakland Autoworks
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8015B
Field ID:	MW-4	Batch#:	185194
MSS Lab ID:	235254-005	Sampled:	03/30/12
Matrix:	Water	Received:	03/30/12
Units:	ug/L	Analyzed:	04/03/12
Diln Fac:	1.000		

Type: MS Lab ID: QC634224

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	112.1	2,000	2,076	98	68-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	102	76-121

Type: MSD Lab ID: QC634225

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	2,052	97	68-120	1	21

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	99	76-121

RPD= Relative Percent Difference

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	235254	Location:	Oakland Autoworks
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC634226	Batch#:	185196
Matrix:	Water	Analyzed:	04/03/12
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	3,000	2,942	98	79-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	97	76-121

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	235254	Location:	Oakland Autoworks
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	185196
MSS Lab ID:	235295-001	Sampled:	04/02/12
Matrix:	Water	Received:	04/03/12
Units:	ug/L	Analyzed:	04/04/12
Diln Fac:	1.000		

Type: MS Lab ID: QC634228

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	23.66	2,000	1,951	96	68-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	99	76-121

Type: MSD Lab ID: QC634229

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,953	96	68-120	0	21

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	101	76-121

RPD= Relative Percent Difference

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	235254	Location:	Oakland Autoworks
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC634402	Batch#:	185239
Matrix:	Water	Analyzed:	04/04/12
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	2,000	1,897	95	79-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	96	76-121

Batch QC Report

Total Volatile Hydrocarbons			
Lab #:	235254	Location:	Oakland Autoworks
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	185239
MSS Lab ID:	235281-001	Sampled:	04/02/12
Matrix:	Water	Received:	04/02/12
Units:	ug/L	Analyzed:	04/05/12
Diln Fac:	1.000		

Type: MS Lab ID: QC634404

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	39.80	2,000	1,606	78	68-120

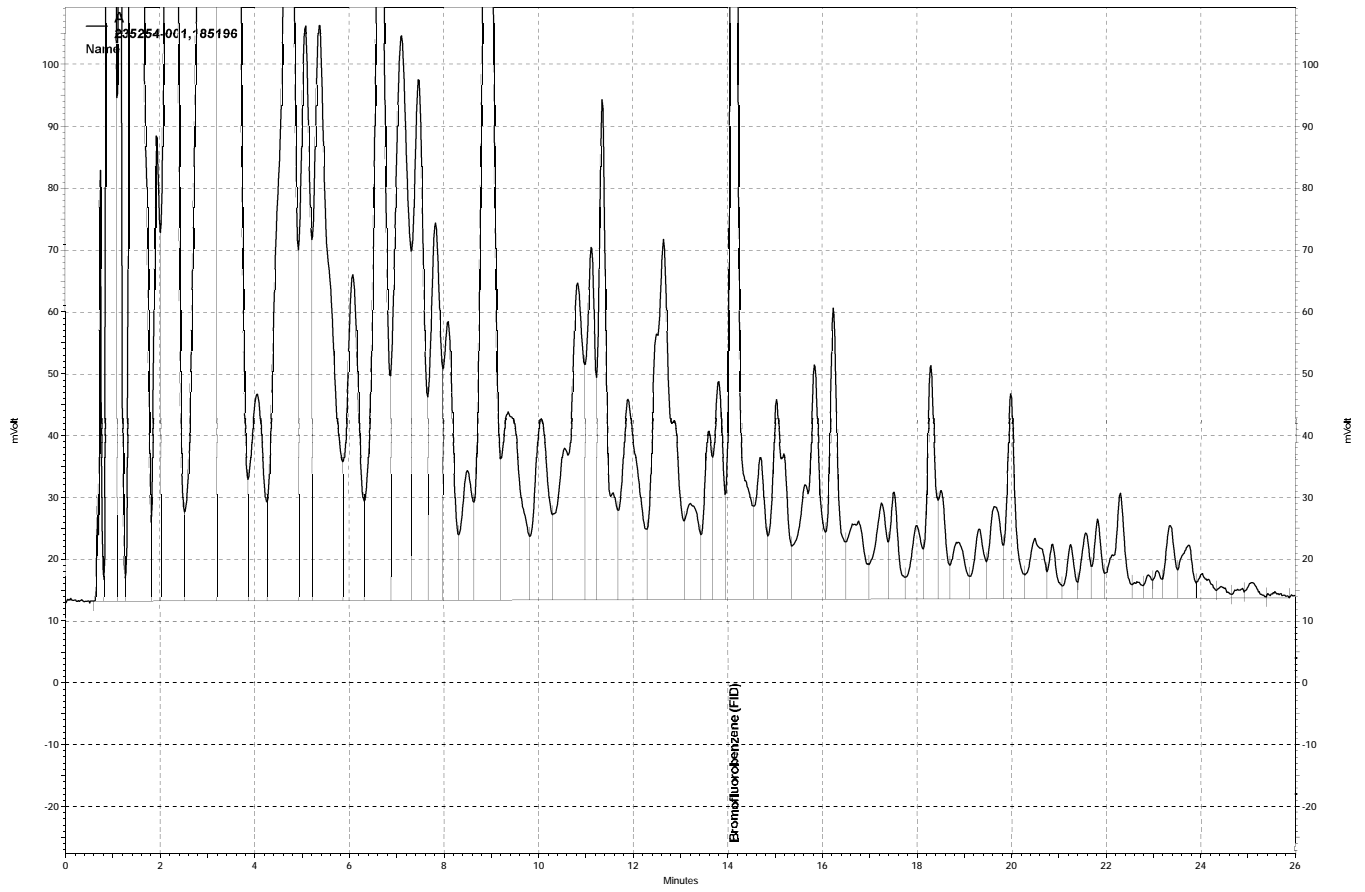
Surrogate	%REC	Limits
Bromofluorobenzene (FID)	98	76-121

Type: MSD Lab ID: QC634405

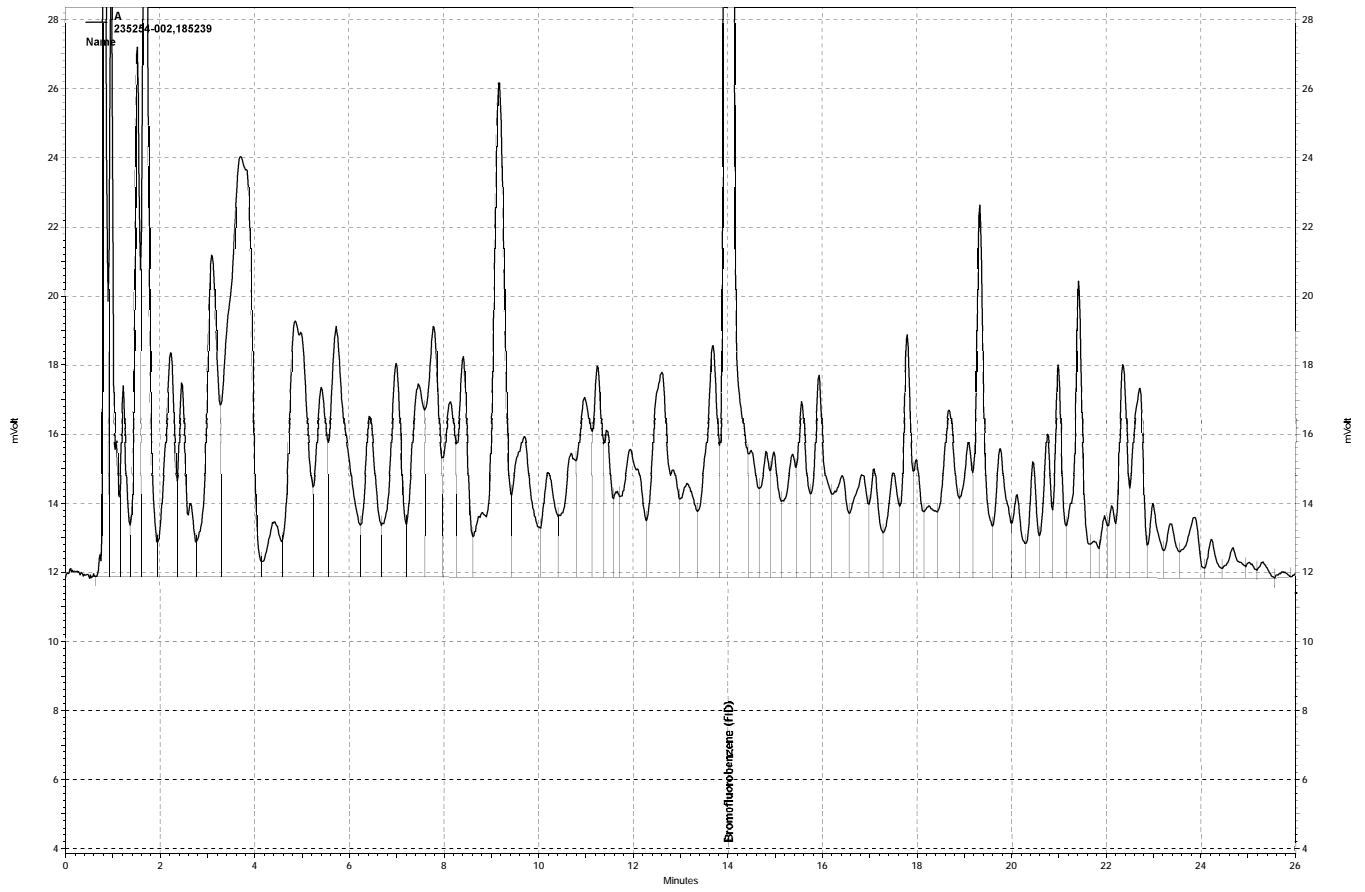
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,793	88	68-120	11	21

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	96	76-121

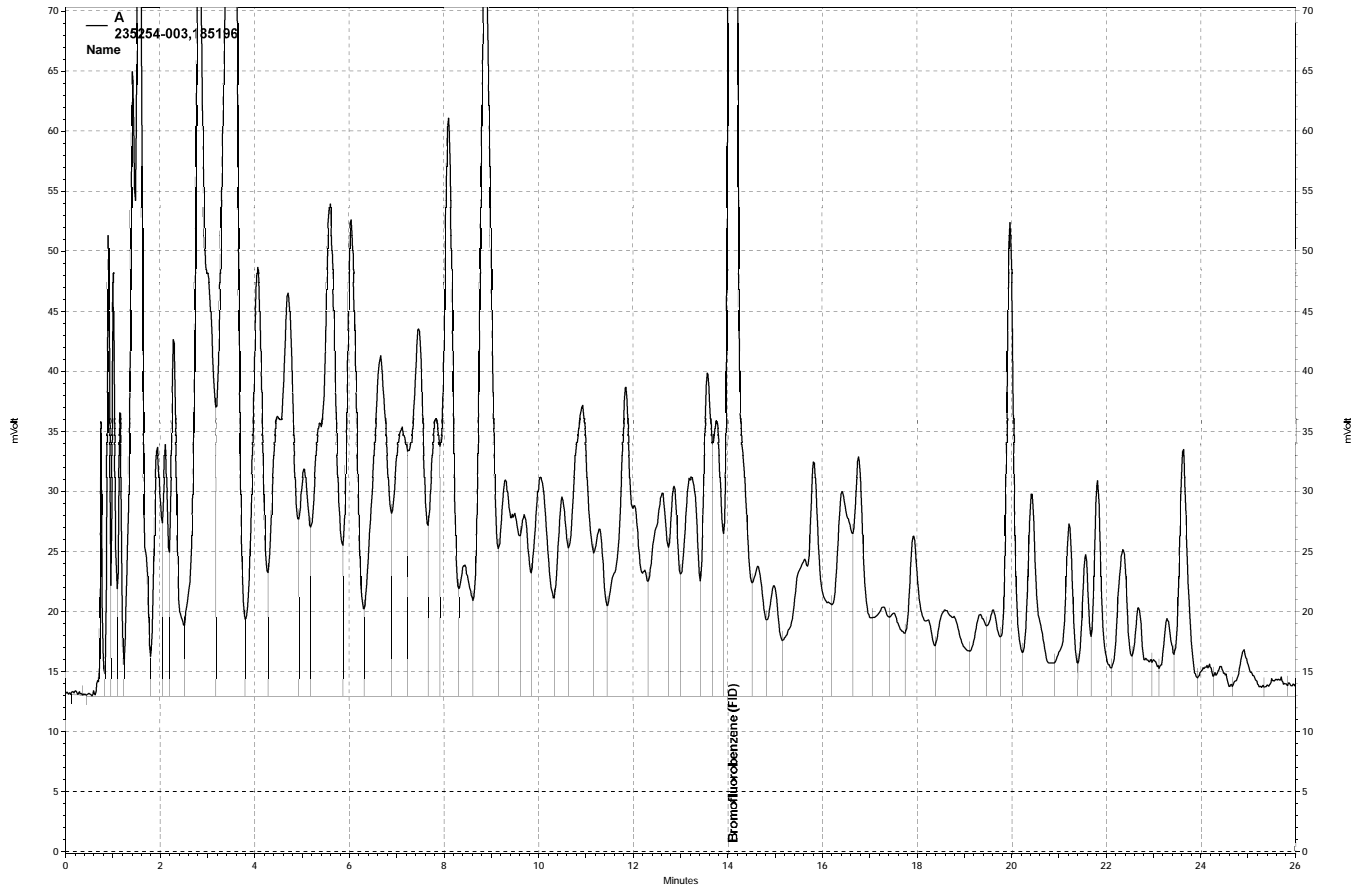
RPD= Relative Percent Difference



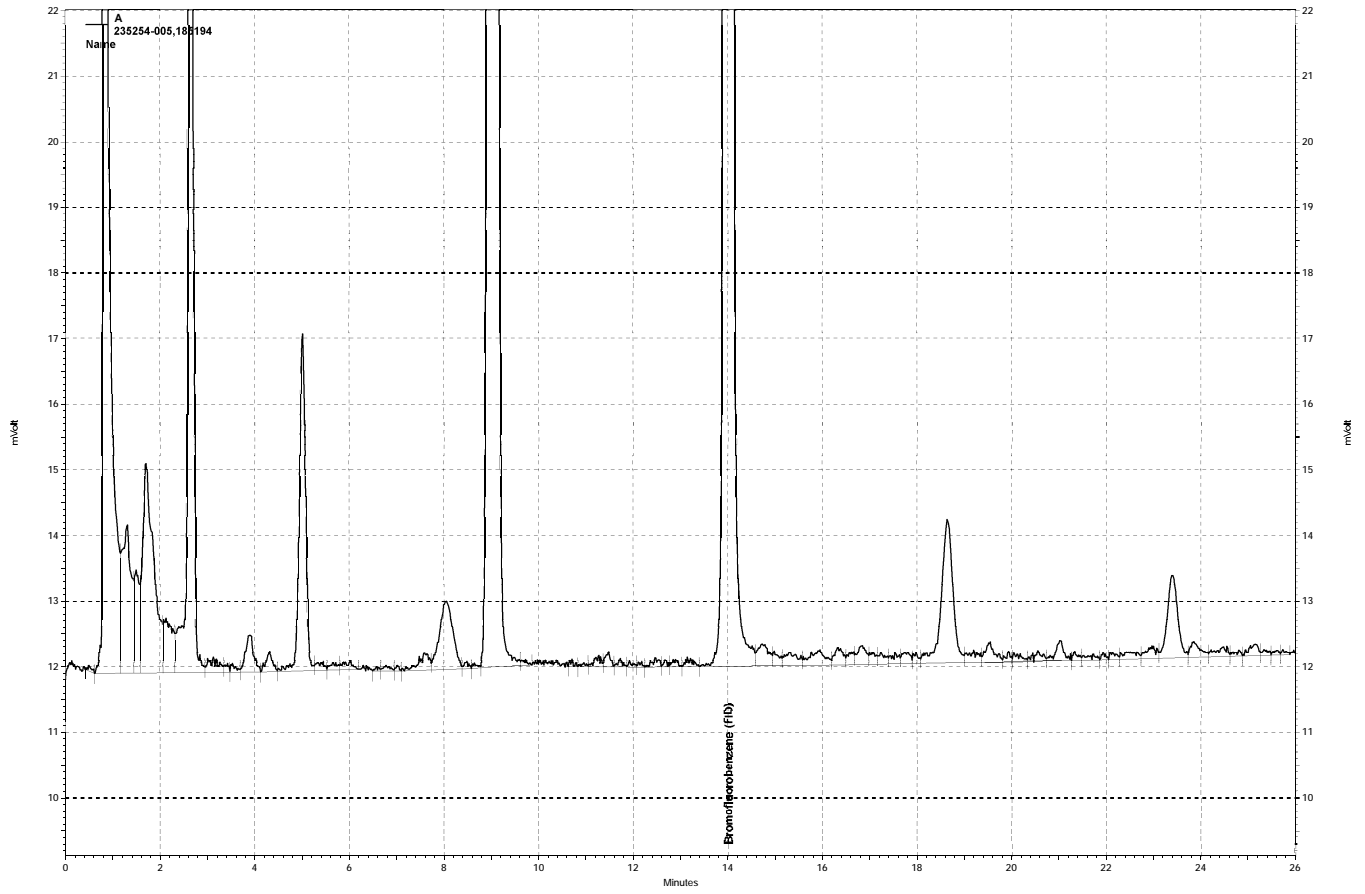
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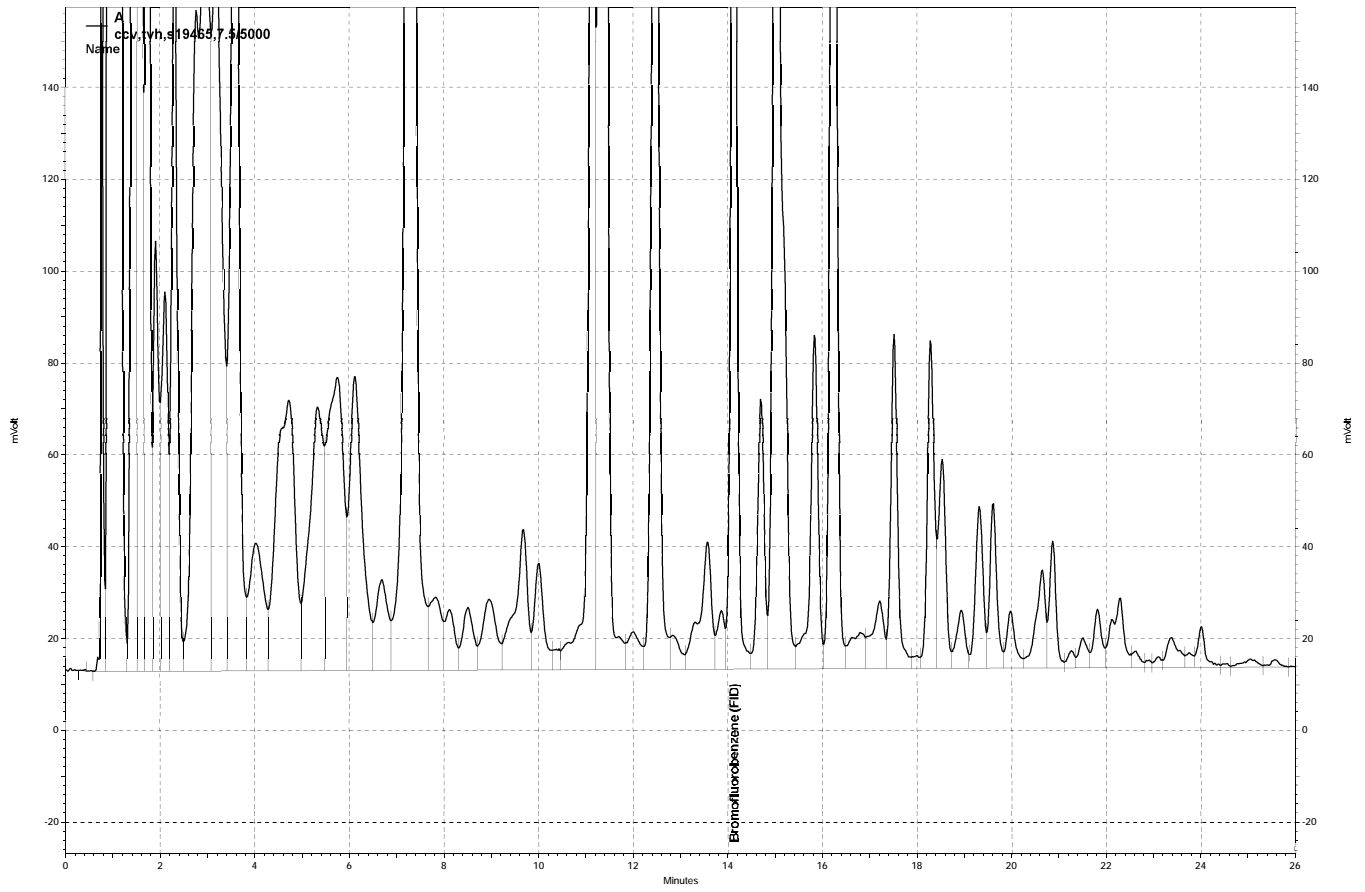
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— \\Lims\gdrive\ezchrom\Projects\GC05\Data\094-003, A

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	235254	Location:	Oakland Autoworks
Client:	Stellar Environmental Solutions	Prep:	EPA 3520C
Project#:	2003-43	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	185145
Units:	ug/L	Prepared:	04/02/12
Diln Fac:	1.000	Analyzed:	04/03/12

Type: BS Lab ID: QC634046

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,999	80	59-120

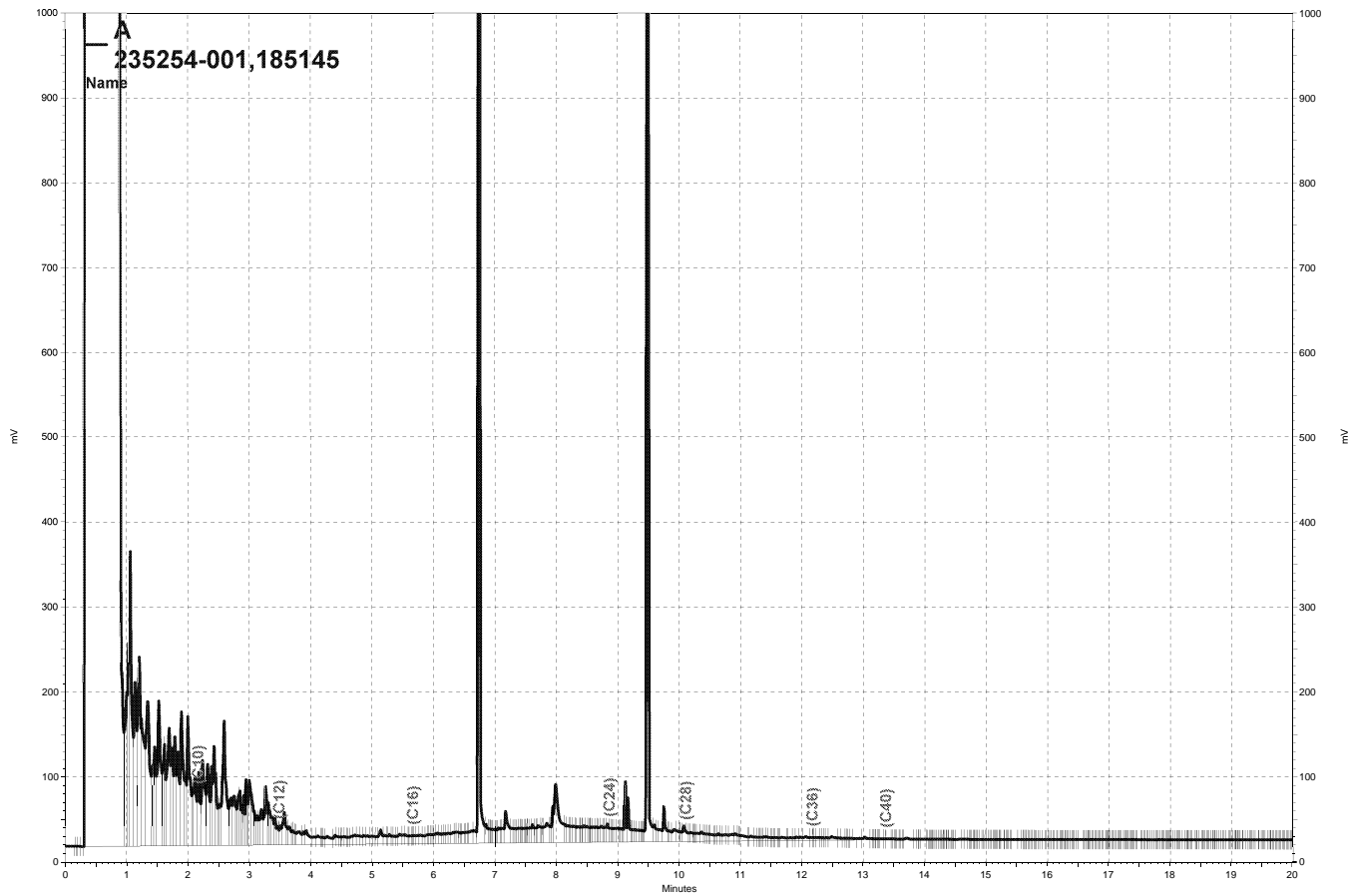
Surrogate	%REC	Limits
o-Terphenyl	114	61-129

Type: BSD Lab ID: QC634047

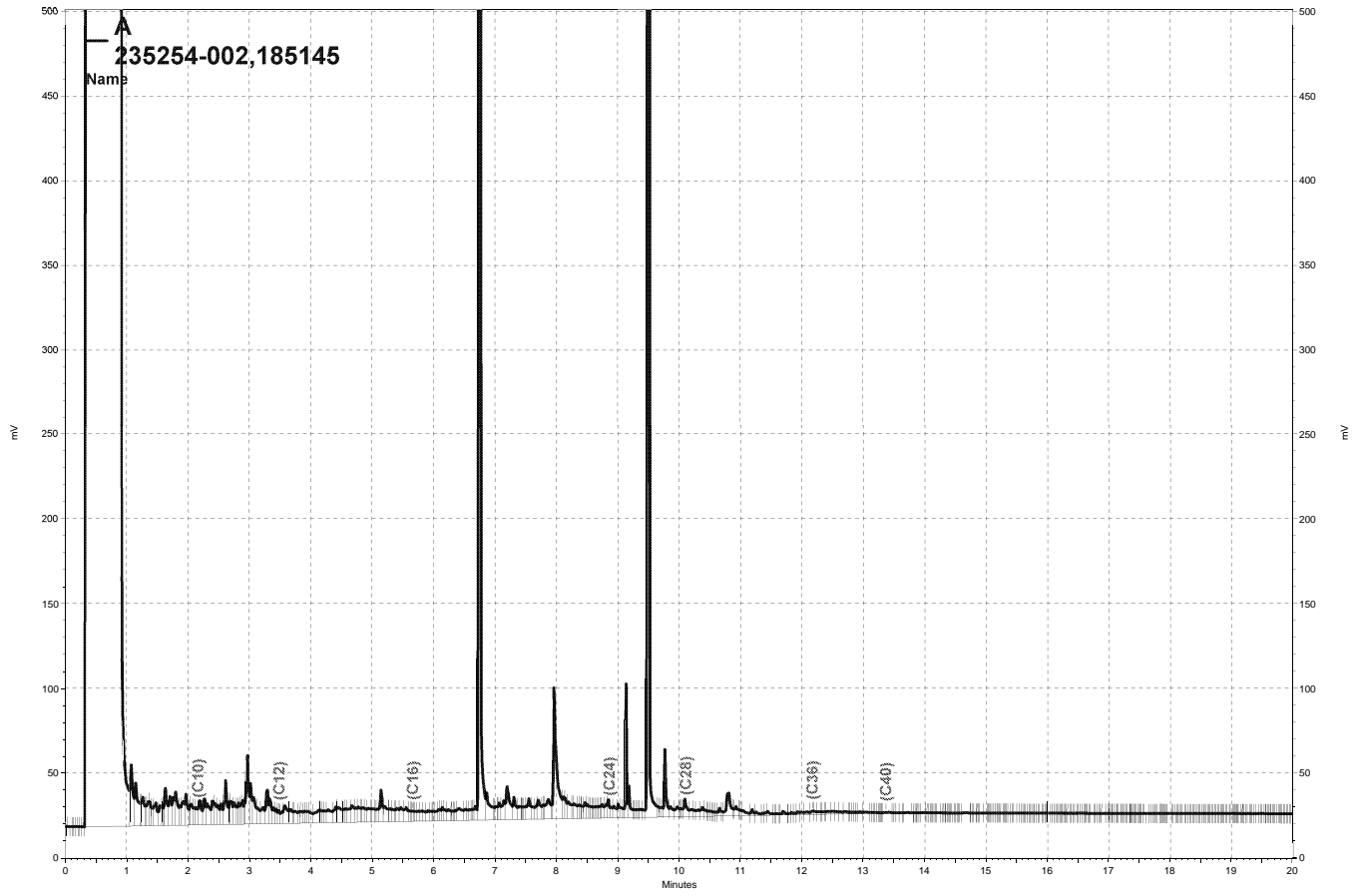
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,032	81	59-120	2	52

Surrogate	%REC	Limits
o-Terphenyl	115	61-129

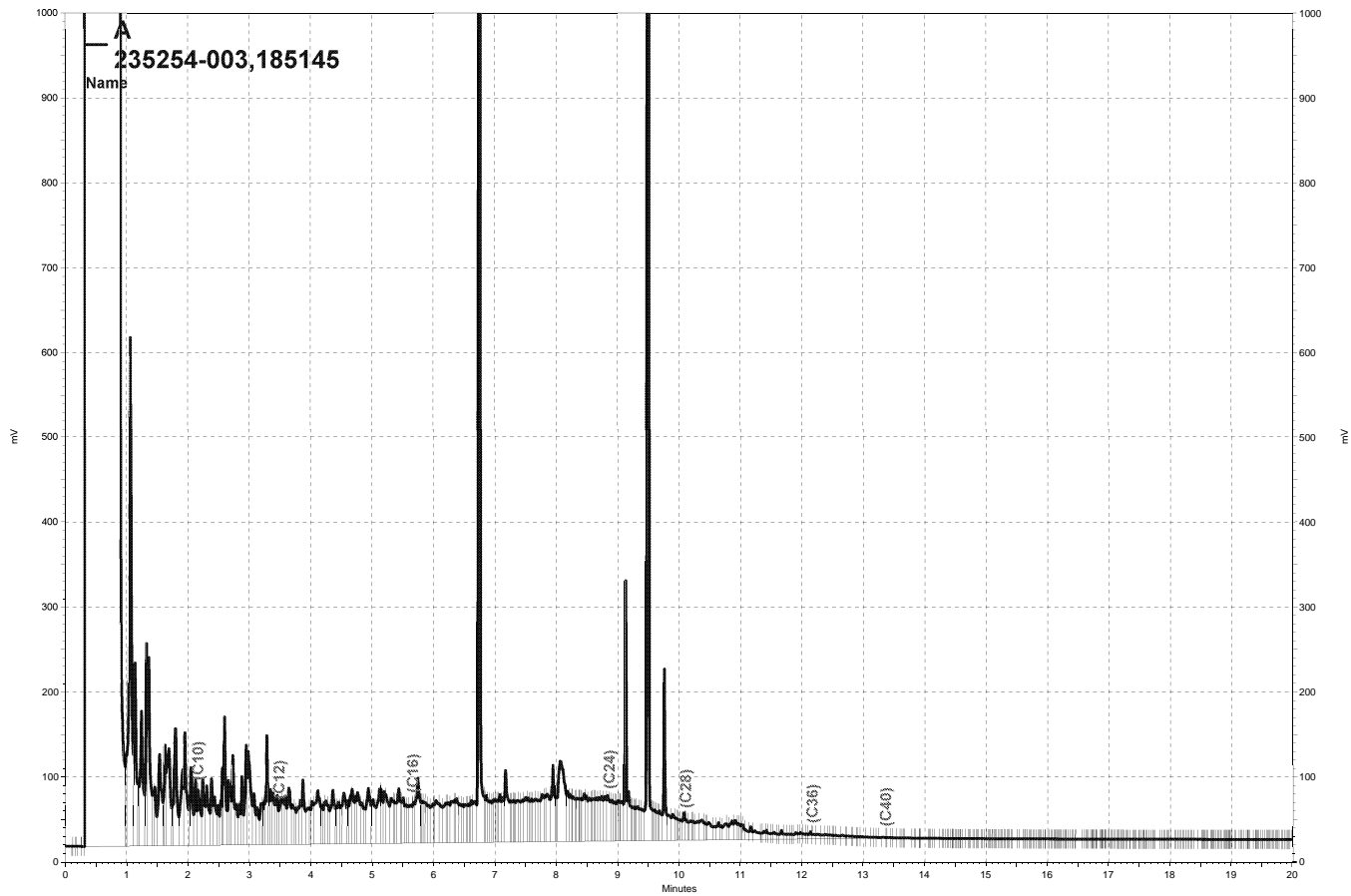
RPD= Relative Percent Difference



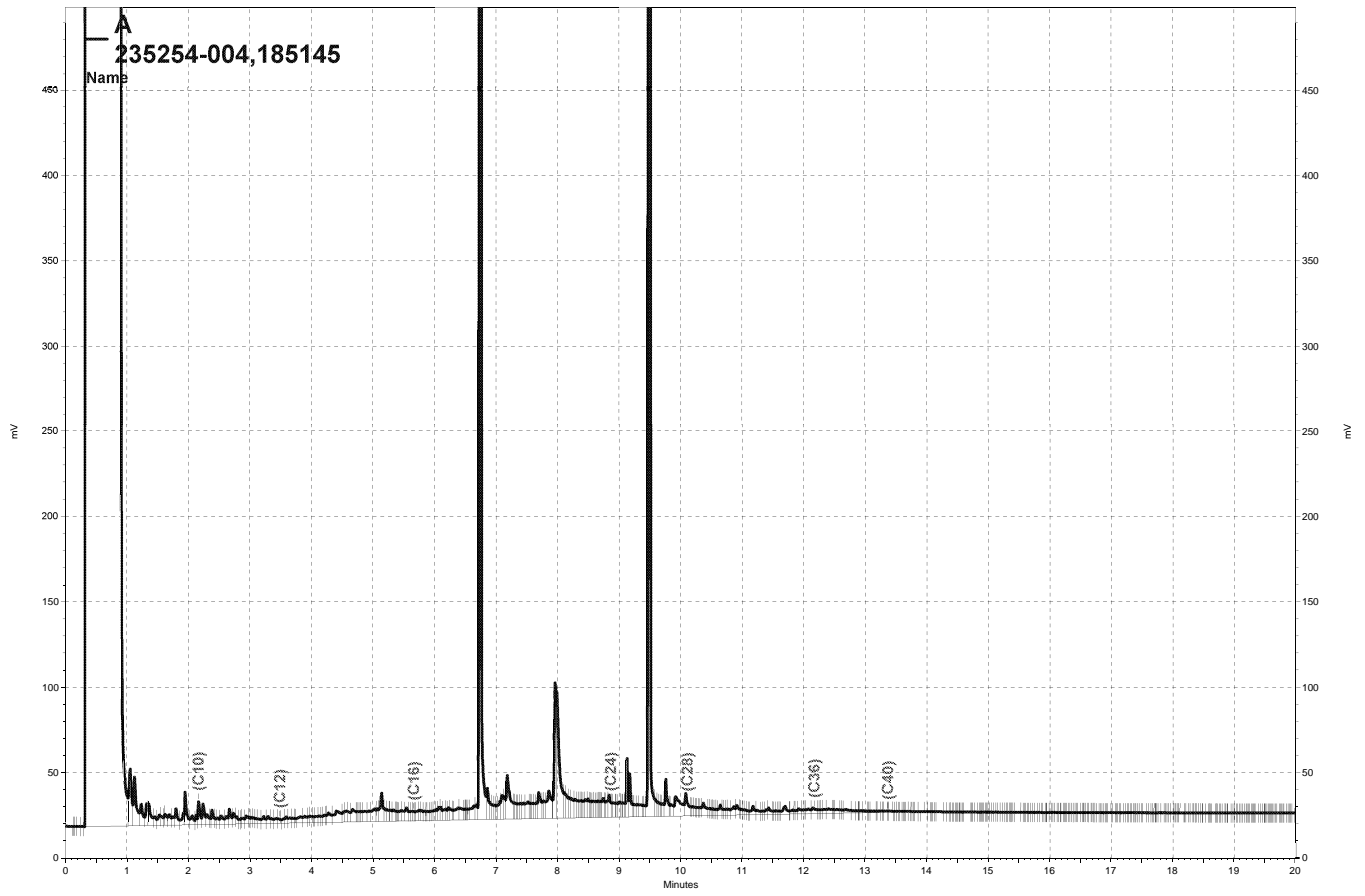
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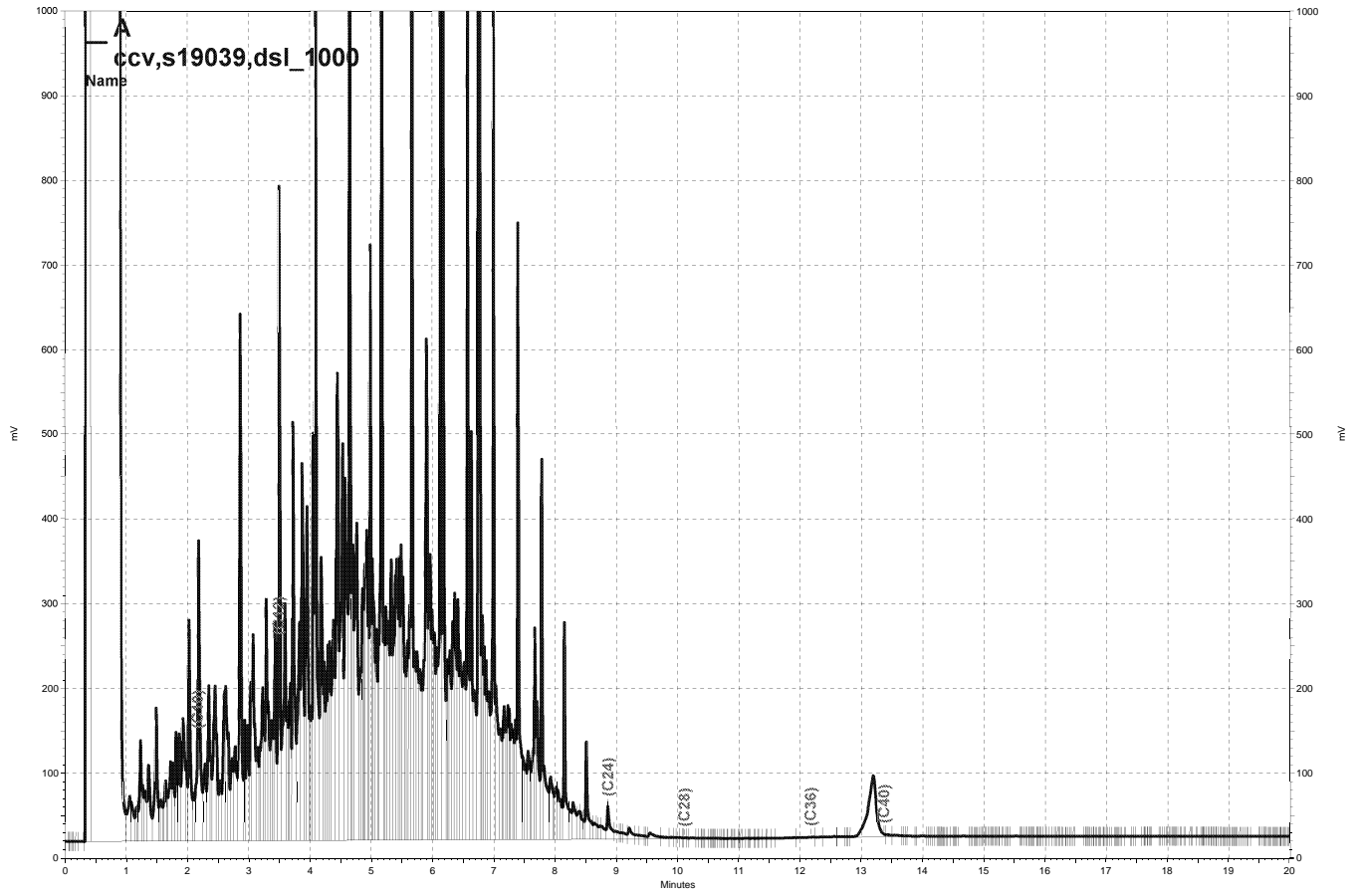
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BTXE & Oxygenates			
Lab #:	235254	Location:	Oakland Autoworks
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8260B
Field ID:	MW-1	Batch#:	185166
Lab ID:	235254-001	Sampled:	03/30/12
Matrix:	Water	Received:	03/30/12
Units:	ug/L	Analyzed:	04/03/12
Diln Fac:	1.250		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	15	13
MTBE	ND	0.6
Isopropyl Ether (DIPE)	ND	0.6
Ethyl tert-Butyl Ether (ETBE)	ND	0.6
1,2-Dichloroethane	1.2	0.6
Benzene	91	0.6
Methyl tert-Amyl Ether (TAME)	ND	0.6
Toluene	4.1	0.6
1,2-Dibromoethane	ND	0.6
Ethylbenzene	9.0	0.6
m,p-Xylenes	17	0.6
o-Xylene	6.1	0.6

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-125
1,2-Dichloroethane-d4	110	69-145
Toluene-d8	97	80-120
Bromofluorobenzene	101	80-120

ND= Not Detected
 RL= Reporting Limit

BTXE & Oxygenates			
Lab #:	235254	Location:	Oakland Autoworks
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8260B
Field ID:	MW-2	Batch#:	185131
Lab ID:	235254-002	Sampled:	03/30/12
Matrix:	Water	Received:	03/30/12
Units:	ug/L	Analyzed:	04/02/12
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	1.7	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	1.0	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	1.0	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-125
1,2-Dichloroethane-d4	78	69-145
Toluene-d8	108	80-120
Bromofluorobenzene	106	80-120

ND= Not Detected
 RL= Reporting Limit

BTXE & Oxygenates			
Lab #:	235254	Location:	Oakland Autoworks
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8260B
Field ID:	MW-3	Batch#:	185131
Lab ID:	235254-003	Sampled:	03/30/12
Matrix:	Water	Received:	03/30/12
Units:	ug/L	Analyzed:	04/02/12
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	45	10
MTBE	1.4	0.5
Isopropyl Ether (DIPE)	1.5	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	1.0	0.5
Benzene	20	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	0.6	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-125
1,2-Dichloroethane-d4	81	69-145
Toluene-d8	111	80-120
Bromofluorobenzene	105	80-120

ND= Not Detected
 RL= Reporting Limit

BTXE & Oxygenates			
Lab #:	235254	Location:	Oakland Autoworks
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8260B
Field ID:	MW-8	Batch#:	185131
Lab ID:	235254-004	Sampled:	03/30/12
Matrix:	Water	Received:	03/30/12
Units:	ug/L	Analyzed:	04/02/12
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	1.1	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-125
1,2-Dichloroethane-d4	78	69-145
Toluene-d8	110	80-120
Bromofluorobenzene	105	80-120

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

BTXE & Oxygenates			
Lab #:	235254	Location:	Oakland Autoworks
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC633989	Batch#:	185131
Matrix:	Water	Analyzed:	04/02/12
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-125
1,2-Dichloroethane-d4	73	69-145
Toluene-d8	110	80-120
Bromofluorobenzene	109	80-120

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

BTXE & Oxygenates			
Lab #:	235254	Location:	Oakland Autoworks
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	185131
Units:	ug/L	Analyzed:	04/02/12
Diln Fac:	1.000		

Type: BS Lab ID: QC633990

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	100.0	97.85	98	47-136
MTBE	20.00	16.81	84	61-121
Isopropyl Ether (DIPE)	20.00	19.28	96	54-136
Ethyl tert-Butyl Ether (ETBE)	20.00	17.53	88	57-133
1,2-Dichloroethane	20.00	16.35	82	70-136
Benzene	20.00	21.72	109	80-121
Methyl tert-Amyl Ether (TAME)	20.00	17.33	87	65-120
Toluene	20.00	21.52	108	80-120
1,2-Dibromoethane	20.00	19.85	99	80-120
Ethylbenzene	20.00	20.35	102	80-120
m,p-Xylenes	40.00	39.92	100	80-121
o-Xylene	20.00	19.37	97	80-121

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-125
1,2-Dichloroethane-d4	87	69-145
Toluene-d8	102	80-120
Bromofluorobenzene	102	80-120

Type: BSD Lab ID: QC633991

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	100.0	86.94	87	47-136	12	28
MTBE	20.00	17.55	88	61-121	4	20
Isopropyl Ether (DIPE)	20.00	19.84	99	54-136	3	20
Ethyl tert-Butyl Ether (ETBE)	20.00	17.67	88	57-133	1	20
1,2-Dichloroethane	20.00	16.34	82	70-136	0	20
Benzene	20.00	21.97	110	80-121	1	20
Methyl tert-Amyl Ether (TAME)	20.00	17.33	87	65-120	0	20
Toluene	20.00	21.72	109	80-120	1	20
1,2-Dibromoethane	20.00	20.13	101	80-120	1	20
Ethylbenzene	20.00	20.30	102	80-120	0	20
m,p-Xylenes	40.00	41.24	103	80-121	3	20
o-Xylene	20.00	17.82	89	80-121	8	20

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-125
1,2-Dichloroethane-d4	88	69-145
Toluene-d8	100	80-120
Bromofluorobenzene	104	80-120

RPD= Relative Percent Difference

Batch QC Report

BTXE & Oxygenates			
Lab #:	235254	Location:	Oakland Autoworks
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	185166
Units:	ug/L	Analyzed:	04/03/12
Diln Fac:	1.000		

Type: BS Lab ID: QC634118

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	116.7	93	47-136
MTBE	25.00	21.48	86	61-121
Isopropyl Ether (DIPE)	25.00	19.61	78	54-136
Ethyl tert-Butyl Ether (ETBE)	25.00	20.78	83	57-133
1,2-Dichloroethane	25.00	29.39	118	70-136
Benzene	25.00	28.55	114	80-121
Methyl tert-Amyl Ether (TAME)	25.00	23.69	95	65-120
Toluene	25.00	27.13	109	80-120
1,2-Dibromoethane	25.00	25.95	104	80-120
Ethylbenzene	25.00	28.86	115	80-120
m,p-Xylenes	50.00	52.68	105	80-121
o-Xylene	25.00	26.86	107	80-121

Surrogate	%REC	Limits
Dibromofluoromethane	95	80-125
1,2-Dichloroethane-d4	109	69-145
Toluene-d8	99	80-120
Bromofluorobenzene	95	80-120

Type: BSD Lab ID: QC634119

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	117.2	94	47-136	0	28
MTBE	25.00	20.03	80	61-121	7	20
Isopropyl Ether (DIPE)	25.00	17.86	71	54-136	9	20
Ethyl tert-Butyl Ether (ETBE)	25.00	19.07	76	57-133	9	20
1,2-Dichloroethane	25.00	25.79	103	70-136	13	20
Benzene	25.00	24.46	98	80-121	15	20
Methyl tert-Amyl Ether (TAME)	25.00	21.93	88	65-120	8	20
Toluene	25.00	23.46	94	80-120	15	20
1,2-Dibromoethane	25.00	24.06	96	80-120	8	20
Ethylbenzene	25.00	24.82	99	80-120	15	20
m,p-Xylenes	50.00	45.20	90	80-121	15	20
o-Xylene	25.00	23.14	93	80-121	15	20

Surrogate	%REC	Limits
Dibromofluoromethane	94	80-125
1,2-Dichloroethane-d4	107	69-145
Toluene-d8	99	80-120
Bromofluorobenzene	98	80-120

RPD= Relative Percent Difference

Batch QC Report

BTXE & Oxygenates			
Lab #:	235254	Location:	Oakland Autoworks
Client:	Stellar Envir 	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC634120	Batch#:	185166
Matrix:	Water	Analyzed:	04/03/12
Units:	ug/L		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	ND	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	ND	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-125
1,2-Dichloroethane-d4	110	69-145
Toluene-d8	100	80-120
Bromofluorobenzene	99	80-120

ND= Not Detected
 RL= Reporting Limit