STELLAR
ENVIRONMENTAL SOLUTIONS, INC.
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TEL: (510)644-3123 · FAX: (510)644-3859
GEOSCIENCE & ENGINEERING CONSULTING

April 19, 2011

RECEIVED
9:21 am, Apr 22, 2011
Alameda County
Environmental Health

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

Subject: First Semi-Annual 2011 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 Semi-Annual 2011 groundwater monitoring event (the 45nd 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 SES has reduced the monitoring frequency from a quarterly to a semi-annual 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 the site in this monitoring period showed evidence of increases in recharge consistent with this year's above-average rainfall in the deeper wells in addition to anthropogenic influences of dewatering—and shallower water—in key shallow wells. Groundwater measurements collected from the four 25 foot deep site wells (MW-1, MW-2, MW-3 and MW-4) showed those wells had a significant groundwater elevation rise that averaged 2.6 feet compared to September 2010. The four shallow 20 foot deep wells (MW-5, MW-6, MW-7 and MW- 8) did not have sufficient water to be gauged or sampled. Because of the higher than normal 2010-2011 rainfall season, it would not be expected that these wells would be dry. Further investigation and discussion with the adjacent property owner

representatives (Mr. John Thompson, Chief Engineer, Kaiser Permanente) revealed that construction dewatering occurring across the street is likely responsible for lowering site groundwater level below the total depth of the shallow wells. No data from the key "residual source area contamination" well MW-5 could be collected in this event.

In January 2011, at the request of the Water Board, Stellar Environmental completed and submitted an updated and revised budget for site remediation by soil vapor extraction (SVE) projected to regulatory case closure. Stellar Environmental has recommended to the property owner that they implement the SVE remedy as soon as possible and the property owner is currently pursuing the necessary financing. A second semi-annual monitoring is scheduled for September 2011. 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
Senior Geologist

Mr. Glen Poy-Wing
Property owner and Responsible Party

Richard Makdisi, R.G., R.E.A.
Principal

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

Attachments: Figure 1 Site Location Map; Figure 2 Site Plan Map;
Tables 1, 2 and 3;
Field sampling reports, certified analytical laboratory report and COC record

FIGURES

Site Location Map
Site Plan Map

1500 ft Scale: 1 : 50,000 Detail: 12-0 Datum: WGS84

N

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

240 W. MacArthur Blvd.
Oakland, CA

By: MJC

APRIL 2007

Figure 1

STELLAR ENVIRONMENTAL SOLUTIONS, INC
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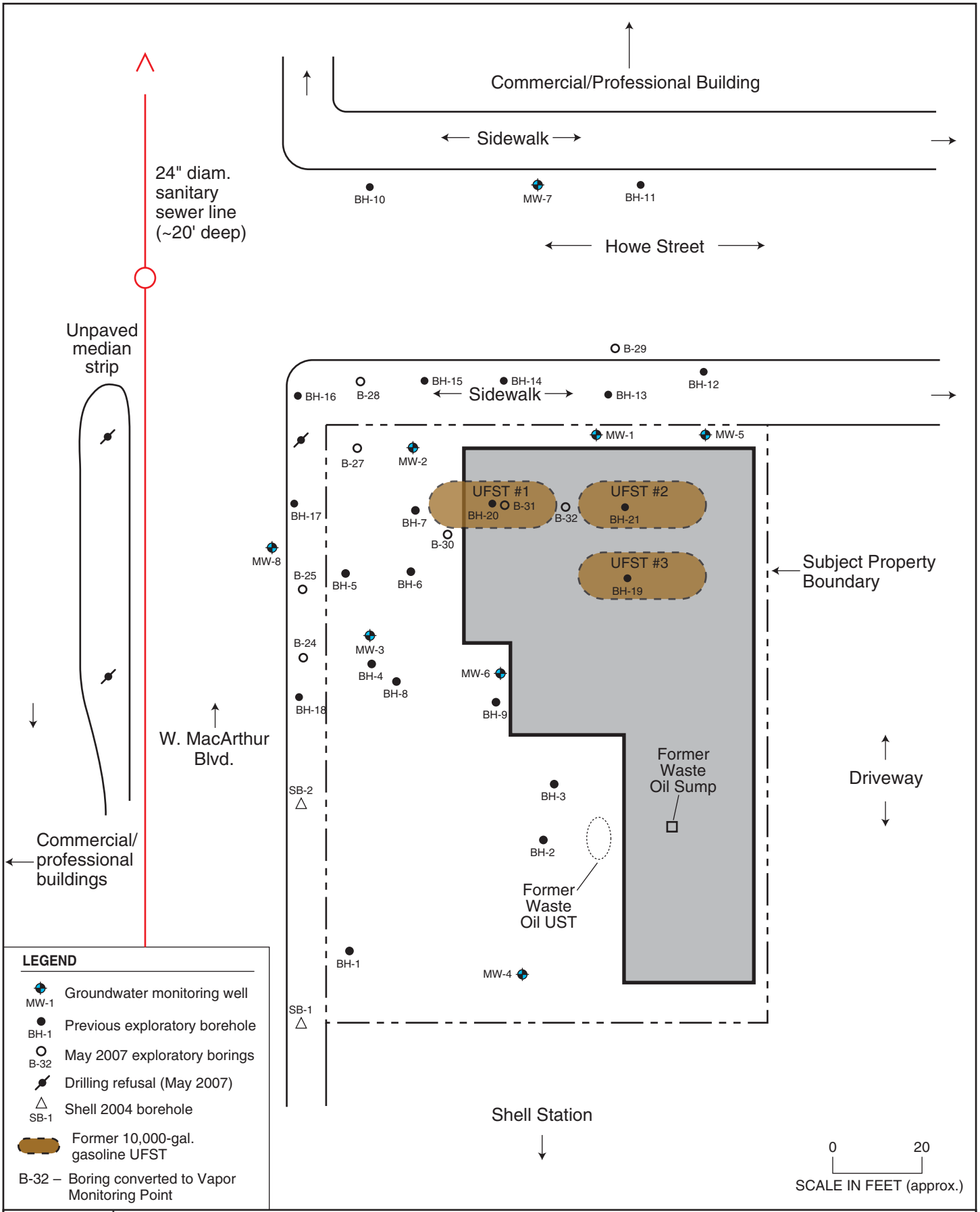
2003-43-01



SITE PLAN WITH BOREHOLE AND GROUNDWATER WELL LOCATIONS

240 W. MacArthur Blvd. Oakland, CA	By: MJC	DECEMBER 2010
	Figure 2	

STELLAR ENVIRONMENTAL SOLUTIONS, INC
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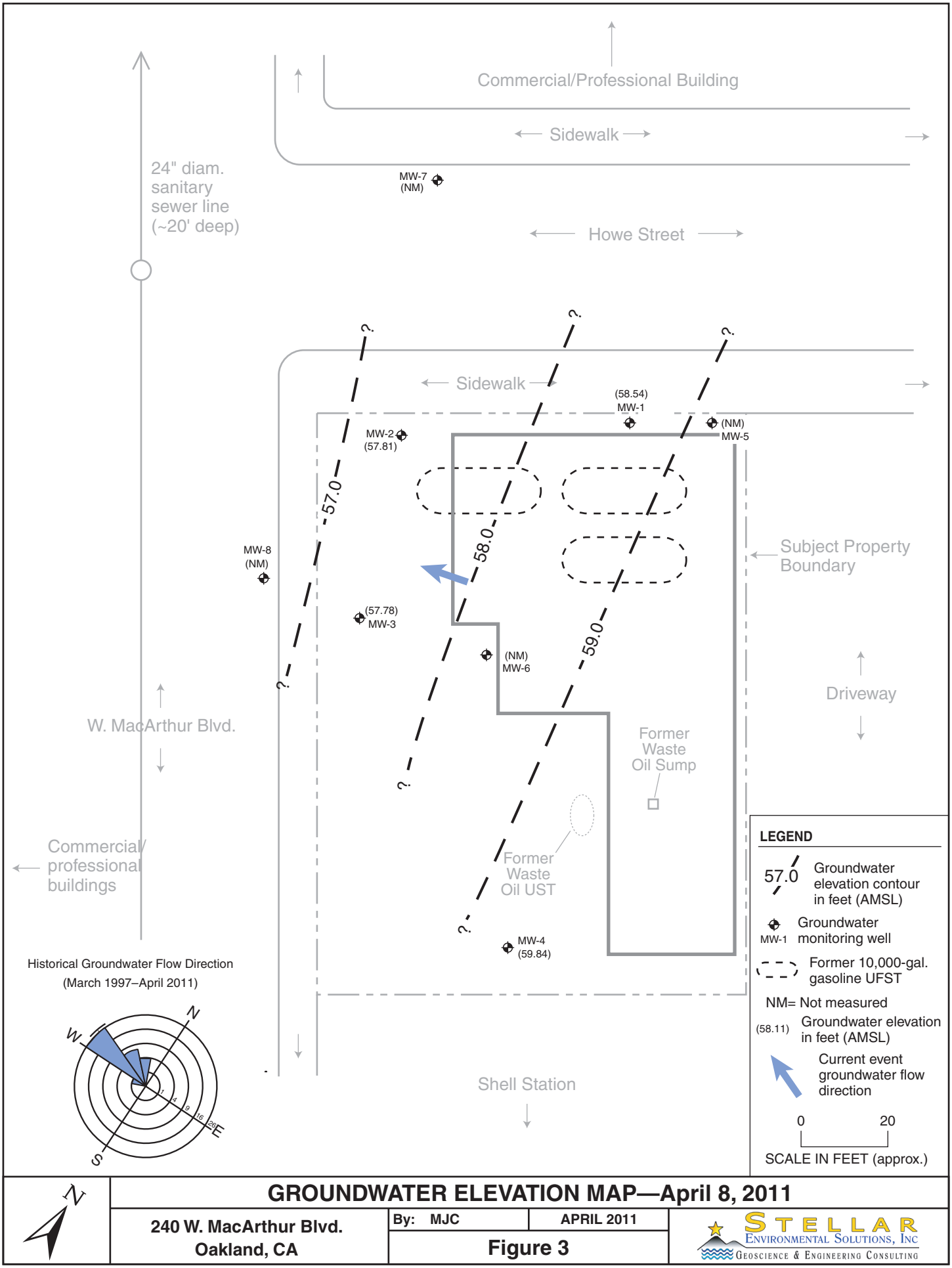
2003-43-155



GROUNDWATER ELEVATION MAP—April 8, 2011

240 W. MacArthur Blvd. Oakland, CA	By: MJC	APRIL 2011
	Figure 3	

STELLAR ENVIRONMENTAL SOLUTIONS, INC
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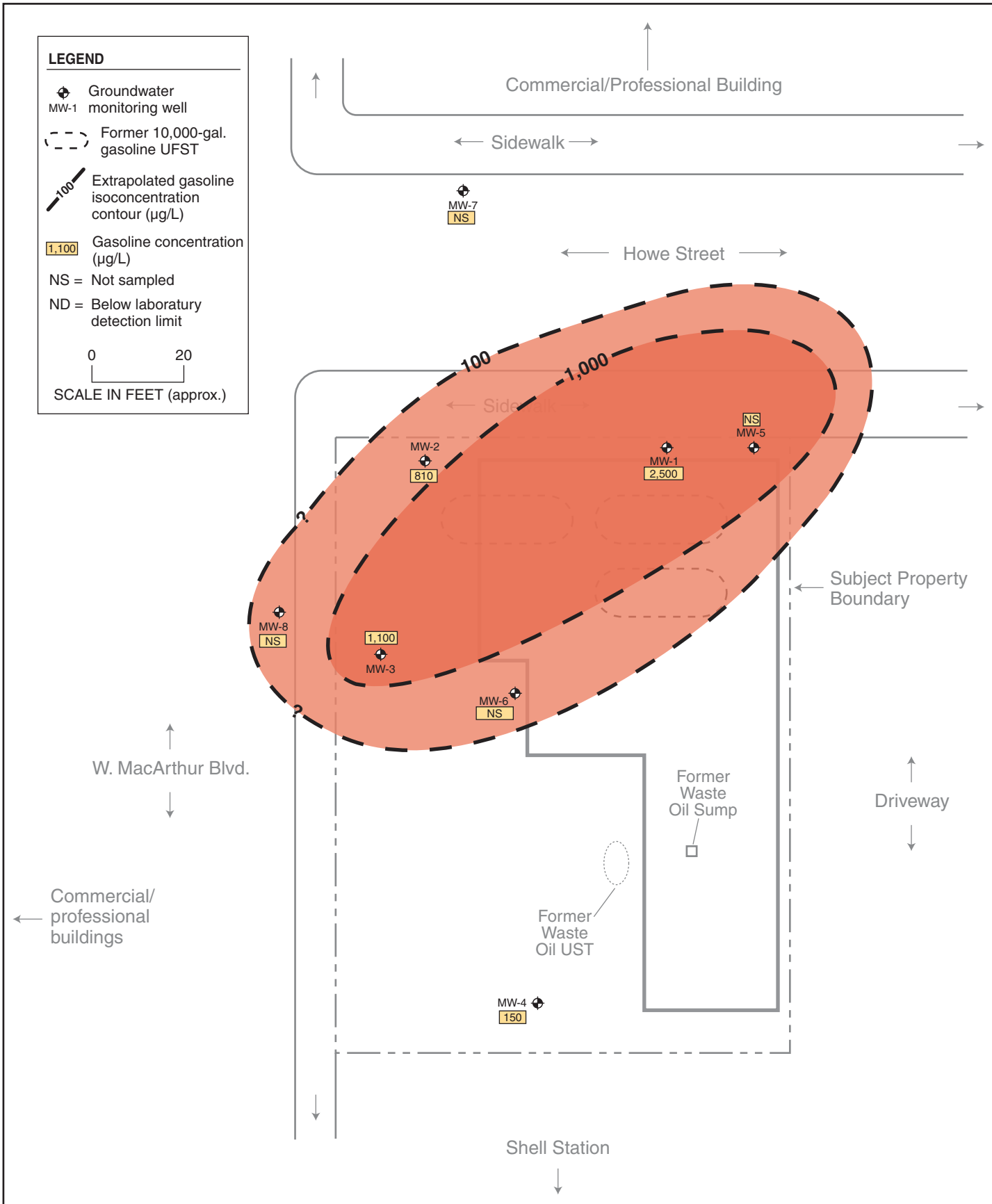
2003-43-217



GASOLINE ISOCONCENTRATION CONTOURS (APRIL 2011)

240 W. MacArthur Blvd.
Oakland, CA

By: MJC | APRIL 2011

Figure 4

STELLAR ENVIRONMENTAL SOLUTIONS, INC
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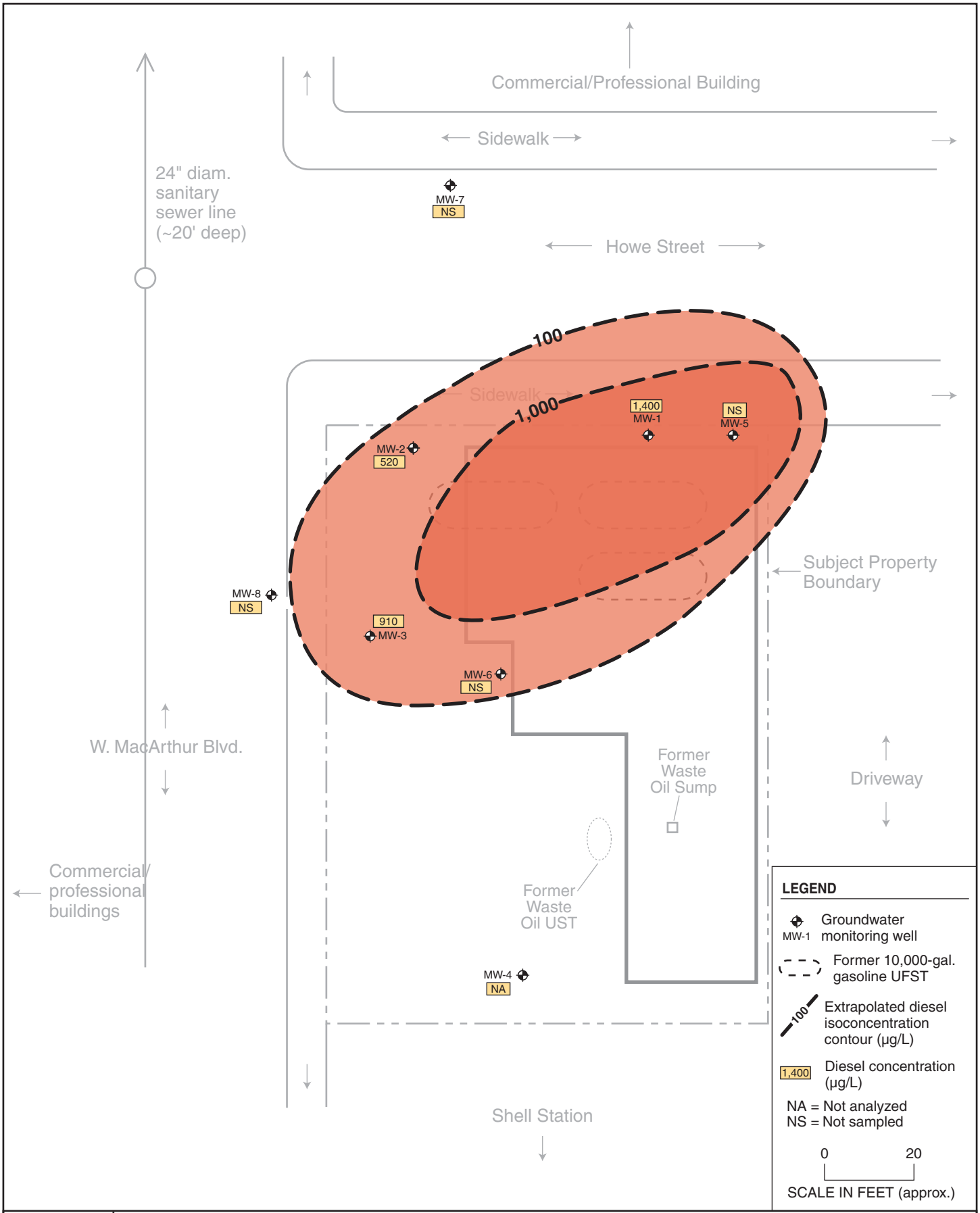
2003-43-218



DIESEL ISOCONCENTRATION CONTOURS (APRIL 2011)

240 W. MacArthur Blvd.
Oakland, CA

By: MJC | APRIL 2011

Figure 5

STELLAR ENVIRONMENTAL SOLUTIONS, INC
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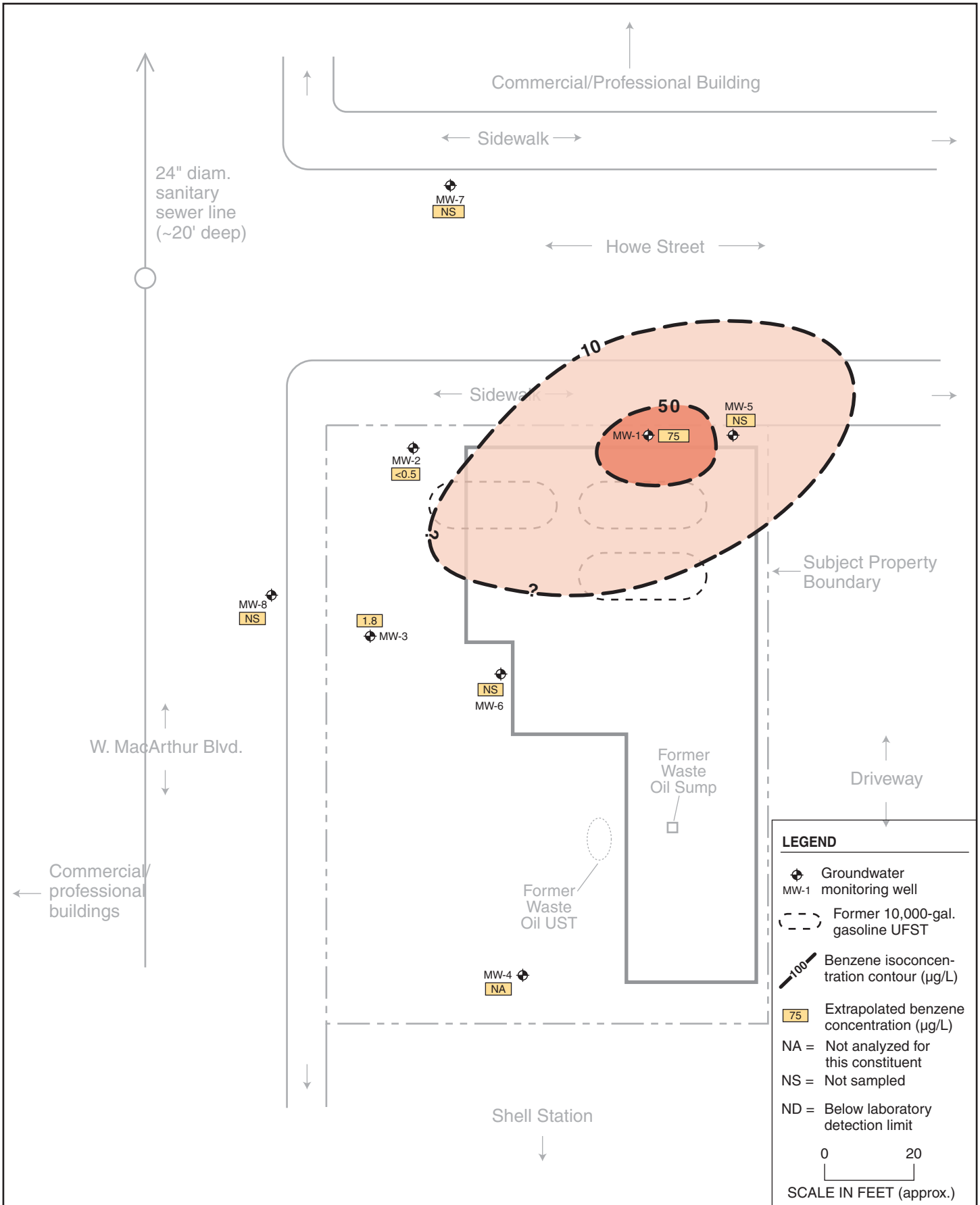
2003-43-219



BENZENE ISOCONCENTRATION CONTOURS (APRIL 2011)

240 W. MacArthur Blvd.
Oakland, CA

By: MJC | APRIL 2011

Figure 6

STELLAR ENVIRONMENTAL SOLUTIONS, INC
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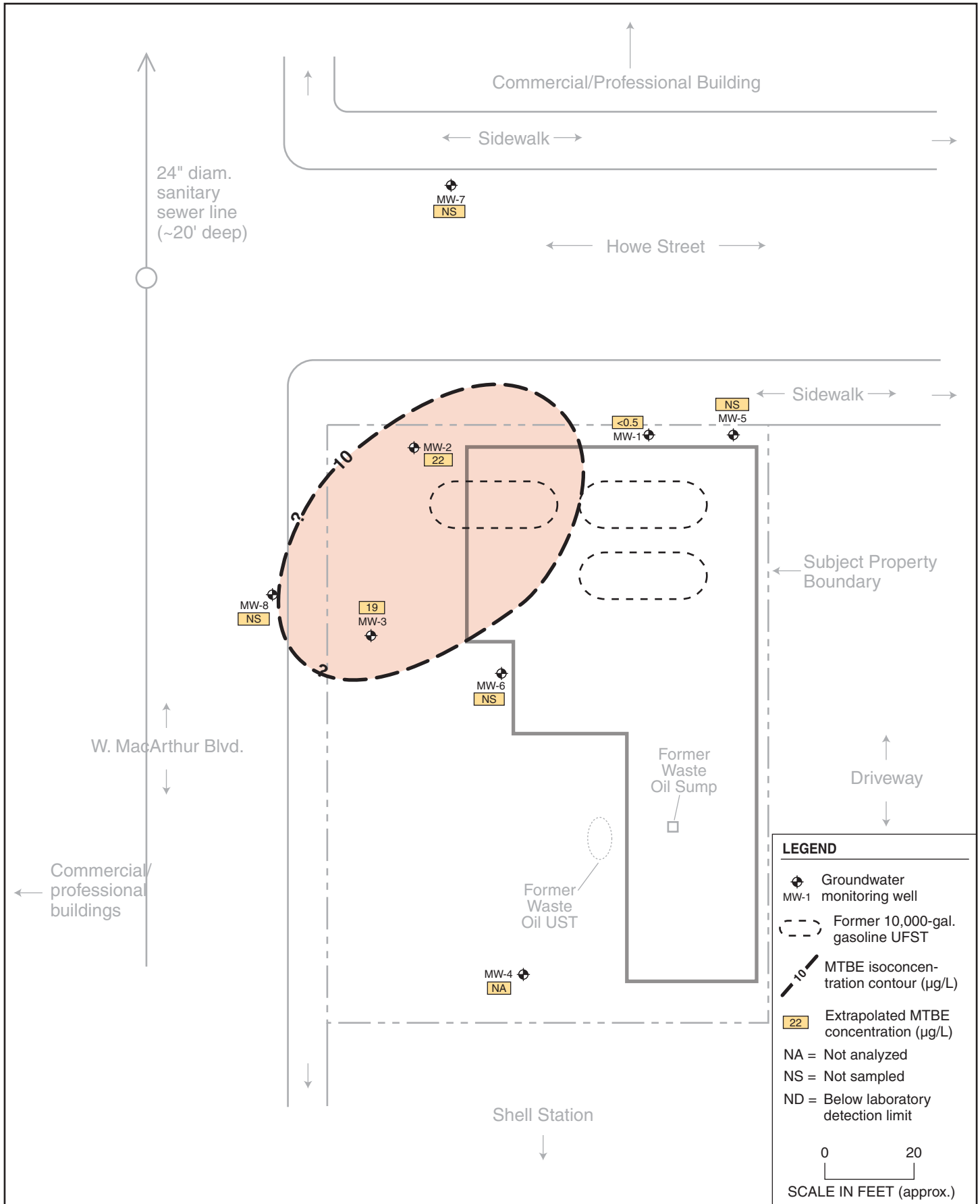
2003-43-221



MTBE ISOCONCENTRATION CONTOURS (APRIL 2011)

240 W. MacArthur Blvd. Oakland, CA	By: MJC	APRIL 2011
	Figure 7	

STELLAR ENVIRONMENTAL SOLUTIONS, INC
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2003-43-220

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)] April 8, 2011	Groundwater Elevation [(b)] April 8, 2011
		Depth (feet)	Elevation (feet)		
MW-1	25	19.5 to 24.5	54.5 to 49.5	20.61	58.54
MW-2	25	14.5 to 24.5	64.2 to 54.2	20.64	57.81
MW-3	25	14.5 to 24.5	63.4 to 53.4	19.80	57.78
MW-4	25	14.5 to 24.5	63.6 to 53.6	17.90	59.84
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	Dry	NR

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 –April 8, 2011
Hydrocarbons, BTEX, and MTBE

Well	TVHg	TEHd	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-1	**2,500**	**1,400**	**75**	2.3	8.8	**24.3**	*<0.5*
MW-2	**810**	**520**	*<0.5*	*<0.5*	*<0.5*	*<0.5*	**22**
MW-3	**1,100**	**910**	**1.8**	*<0.5*	*<0.5*	*<0.5*	**19**
MW-4	**150**	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	NA	NA	NA	NA	NA	NA
MW-8	NS	NS	NS	NS	NS	NS	NS
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 exceed the ESL commercial/industrial criterion where groundwater is considered a potential drinking water resource.

Table 3
Groundwater Sample Analytical Results – April 8, 2011
Lead Scavengers and Fuel Oxygenates

Well	EDC	DIPE	TBA
MW-1	**2.9**	*<0.5*	**34**
MW-2	**1.4**	4.8	**28**
MW-3	**1.8**	2.2	**14**
MW-4	NA	NA	NA
MW-5	NS	NS	NS
MW-6	NS	NS	NS
MW-7	NS	NS	NS
MW-8	NS	NS	NS
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, Alameda, 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	*<.05*

(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

(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

(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*

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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*
Yes	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*

(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*

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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*	*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	*<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*	*NS*	*NS*	*NS*	*NS*	*NS*	*NS*
No	45	Apr-11	*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-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*

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

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

Stellar Environmental Solution, Inc.

WELL GAUGING DATA

Project # 160408-P11 Date 4/8/11 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	0840	2		NO SPH			20.61	24.42		
MW-2	0830	2					20.64	24.36		
MW-3	0835	2					19.80	24.30		
MW-4	0807	2					17.90	23.80		
MW-5	0845	2					20.05 //	20.10		
MW-6	0825	2					19.58	20.15		
MW-7	0813	2					19.55	20.02		
MW-8	0820	2					19.51	19.90	↓	

WELLHEAD INSPECTION CHECKLIST

Date 4/8/11 Client Stellar

Site Address 240 w. MacArthur Blvd, Oakland

Job Number 110408-PH1 Technician PH

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	
mw-2							X	
mw-3							X	
mw-4							X	
mw-5							X	
mw-6							X	
mw-7							X	
mw-8							X	

NOTES: mw-4 -1 bolt mw-7 2/2 tabs stripped mw-8 -1 bolt mw-6 1/2 tab stripped mw-2 2/2 tabs stripped mw-3 2/2 tabs stripped mw-1 -2/2 bolts mw-5 -2/2 bolts

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Stellar @ Oakland Auto Works				PROJECT NUMBER 110408-PH1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Myron L Ultrameter II		4/8/11 0850	PH 7.00 10.00 4.00	6.92 9.95 4.08	7.00 10.00 4.00	16.2	PH
			conductivity 3900 us/cm	3772	3900		PH

WELL MONITORING DATA SHEET

Project #: 110408-PH1	Client: Stellar
Sampler: PH	Date: 4/8/11
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 24.42	Depth to Water (DTW): 20.61
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]: 21.37	

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: _____

0.6 (Gals.) X 3 = 1.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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
1107	19.1	7.2	531	>1000	0.7	
1110	18.6	7.1	542	>1000	1.2	
1113	18.4	7.1	556	>1000	2.0	

Did well dewater? Yes (No) Gallons actually evacuated: 2

Sampling Date: 4/8/11 Sampling Time: 1130 Depth to Water: 21.20

Sample I.D.: MW-1 Laboratory: Kiff CalScience (Other) CBT

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

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 #: 110408-PH1	Client: Stellar
Sampler: PH	Date: 4/8/11
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 24.36	Depth to Water (DTW): 20.64
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]: 21.38	

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: _____

0.6 (Gals.) X 3 = 1.9 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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
1015	19.1	6.8	672	>1000	0.7	
1018	18.9	6.7	662	>1000	1.2	
1022	18.5	6.7	666	>1000	2.0	

Did well dewater? Yes (No) Gallons actually evacuated: 2

Sampling Date: 4/8/11 Sampling Time: 1025 Depth to Water: 20.70

Sample I.D.: MW-2 Laboratory: Kiff CalScience (Other) C&T

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

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 #: 110408-PH1	Client: Stellar
Sampler: PH	Date: 4/8/11
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 24.30	Depth to Water (DTW): 19.80
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]: 20.70	

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: _____

0.7 (Gals.) X 3 = 2.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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
1045	21.3	6.9	750	>1000	0.7	
1048	20.7	6.9	739	>1000	1.5	
1050	20.5	6.8	733	>1000	2.2	

Did well dewater? Yes (No) Gallons actually evacuated: 2.2

Sampling Date: 4/8/11 Sampling Time: 1055 Depth to Water: 20.15

Sample I.D.: MW-3 Laboratory: Kiff CalScience (Other) CAT

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

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 #: 110408-PH1	Client: Stellar
Sampler: PH	Date: 4/8/11
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 23.80	Depth to Water (DTW): 17.90
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]: 19.08	

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: _____

0.94 (Gals.) X 3 = 2.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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
0947	20.5	6.7	486	>1000	1	
0950	19.7	6.7	444	>1000	2	
0954	19.4	6.6	438	>1000	3	

Did well dewater? Yes (No) Gallons actually evacuated: 3

Sampling Date: 4/8/11 Sampling Time: 1005 Depth to Water: 19.00

Sample I.D.: MW-4 Laboratory: Kiff CalScience (Other) CET

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

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 #: 110408-PH1	Client: Stellar
Sampler: PH	Date: 4/8/11
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 20.10	Depth to Water (DTW): 20.05
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) Waterra
Disposable Bailer Peristaltic
Positive Air Displacement Extraction Pump
Electric Submersible Other_____

Sampling Method: Bailer
Disposable Bailer
Extraction Port
Dedicated Tubing
Other: _____

_____(Gals.) X _____ = _____ Gals.
1 Case Volume Specified Volumes Calculated Volume

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
0915	Attempted		Sample collection w/ teflon bailer -			20 mL removed
1145	Returned to well - well is			dry		
		—	No Sample Taken		—	

Did well dewater? Yes No			Gallons actually evacuated:		
Sampling Date:	Sampling Time:		Depth to Water:		
Sample I.D.:			Laboratory: Kiff CalScience Other_____		
Analyzed for: TPH-G BTEX MTBE TPH-D			Oxygenates (5) Other:		
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 #: 110408-PH1	Client: Stellar
Sampler: PH	Date: 4/8/11
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 20.15	Depth to Water (DTW): 19.28
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 3 = ____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F or (°C))	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
	—	Insufficient water to purge			—	
		—	No Sample Taken		—	

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Kiff CalScience Other ____

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

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

LL MONITORING DATA SH T

Project #: 110408-PH1	Client: Stellar
Sampler: PH	Date: 4/8/11
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 20.02	Depth to Water (DTW): 19.55
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.
1 Case Volume | Specified Volumes | Calculated Volume

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
		Insufficient water to purge				
			No Sample Taken			

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Kiff CalScience Other____

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

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

LL MONITORING DATA SH T

Project #: 110408-PH1	Client: Stellar
Sampler: PH	Date: 4/18/11
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 19.90	Depth to Water (DTW): 19.51
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.
1 Case Volume | Specified Volumes | Calculated Volume

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
	—	Insufficient	water to	purge	—	
		—	No Sample Taken		—	

Did well dewater? Yes No — Gallons actually evacuated:

Sampling Date: — Sampling Time: — Depth to Water:

Sample I.D.: — Laboratory: Kiff CalScience Other____

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

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

Chain of Custody Record

Lab job no. _____
Date 4/8/11
Page 1 of 1

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

Method of Shipment Hand Delivery
Shipment No. _____
Airbill No. _____
Cooler No. _____
Project Manager Richard Makdisi
Telephone No. (510) 644-3123
Fax No. (510) 644-3859
Samplers: *(Signature)* _____

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

Field Sample Number	Location/ Depth	Date	Time	Sample Type	Type/Size of Container	Preservation: Cooler	Preservation: Chemical	Filtered	No. of Containers	TVH-G (8015m)	TEH-D (8015m)	BTEX/MTBE (8260B)	EDB/1,2DC (8260B)	5 OXYGENATES (8260B)	Remarks
MW-4		4/8	1025		HCl VOA	yes	HCl	No	3	X					
MW-2		↓	1025		various	↓	↓	↓	8	X	X	X	X	X	
MW-3			1055		↓				8	X	X	X	X	X	
MW-1		↓	1130		↓	↓	↓	↓	8	X	X	X	X	X	

Analysis Required

~~Relinquished by~~	Date	~~Received by:~~	Date	Relinquished by:	Date	Received by:	Date
Signature _____		Signature _____		Signature _____	4/8/11	Signature Desiree Tetrault	4/8/11
Printed ~~M. Pietropaoli~~	Time	Printed _____	Time	Printed Patrick Harms	Time	Printed DESIREE TETRAULT	Time
Company ~~Stellar Environmental~~		Company _____		Company Blaine Tech	1238	Company CET	1238

Turnaround Time: 5 Day TAT
Comments: Global ID: TO600102243

Relinquished by:	Date	Received by:	Date
Signature _____		Signature _____	
Printed _____	Time	Printed _____	Time
Company _____		Company _____	

2000-00-01

SPH or Purge Water Drum Log

Client: Stellar

Site Address: 240 W. MacArthur Blvd Oakland CA

STATUS OF DRUM(S) UPON ARRIVAL

Date	12/11/08	12/12/08	3/17/09	9/18/09	9-27-10	4/8/11
Number of drum(s) empty:	2	1	1	1	1	1
Number of drum(s) 1/4 full:	0	1	1			
Number of drum(s) 1/2 full:						
Number of drum(s) 3/4 full:				1	1	1
Number of drum(s) full:	1	1	1	1	2	2
Total drum(s) on site:	3	3	3	3	4	4
Are the drum(s) properly labeled?	Y	Y	Y	YES	YES	YES
Drum ID & Contents:	Purge H2O	Purge H2O	Purge H2O	(1) EMPTY (2) PURGED H2O	1 EMPTY 3 PURGE H2O	Purge H2O
If any drum(s) are partially or totally filled, what is the first use date:	NA	NA	NA	N/A	N/A	NA

- 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	12/11/08	12/12/08		9/18/09	9-27-10	4/8/11
Number of drums empty:	1	1	1	1 (RUSTED)	(DO NOT USE)	→ 1
Number of drum(s) 1/4 full:	1	1				
Number of drum(s) 1/2 full:			1	1		
Number of drum(s) 3/4 full:				1	1	1
Number of drum(s) full:	1	1	1	1	2	2
Total drum(s) on site:	3	3	3	4	4	4
Are the drum(s) properly labeled?	Y	Y	Y	YES	YES	YES
Drum ID & Contents:	Purge H2O	Purge H2O	Purge H2O	PURGED H2O	PURGE H2O	Purge H2O

LOCATION OF DRUM(S)

Describe location of drum(s):

FINAL STATUS

Number of new drum(s) left on site this event	0	0	0	0 1	0	0
Date of inspection:	12/11/08	12/12/08	3/12/09	9/18/09	9-27-10	4/8/11
Drum(s) labelled properly:	Y	Y	Y	Y	YES	YES
Logged by BTS Field Tech:	JD	JD	JD	FR	FR	PH
Office reviewed by:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]


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 227124
ANALYTICAL REPORT

Stellar Environmental Solutions	Project : 2003-43
2198 6th Street	Location : Oakland Auto Works
Berkeley, CA 94710	Level : II

Sample ID	Lab ID
MW-4	227124-001
MW-2	227124-002
MW-3	227124-003
MW-1	227124-004

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: 04/14/2011
Project Manager

NELAP # 01107CA

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**227124**
Client:	**Stellar Environmental Solutions**
Project:	**2003-43**
Location:	**Oakland Auto Works**
Request Date:	**04/08/11**
Samples Received:	**04/08/11**

This data package contains sample and QC results for four water samples, requested for the above referenced project on 04/08/11. 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.

Chain of Custody Record

227124

Lab job no. _____
Date 4/8/11
Page 1 of 1

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

Method of Shipment Hand Delivery
Shipment No. _____
Airbill No. _____
Cooler No. _____

Project Owner Mr. Glen Poywing
Site Address 240 W. MacArthur Blvd, Oakland, CA 94612

Project Manager Richard Makdisi
Telephone No. (510) 644-3123
Fax No. (510) 644-3859

Project Name Oakland Autoworks
Project Number 2003-43

Samplers: (Signature) _____

Field Sample Number	Location/ Depth	Date	Time	Sample Type	Type/Size of Container	Preservation: Cooler	Preservation: Chemical	Filtered	No. of Containers	TVH-G (8015m)	TEH-D (8015m)	BTEX/MTBE (8260B)	EDB/EDC (8260B)	5 OXYGENATES (8260B)	Remarks
1 MW-4		4/8	1026		HCl VOA	yes	HCl	No	3	X					
2 MW-2		↓	1025		various	↓	↓	↓	8	X	X	X	X	X	
3 MW-3		↓	1058		↓	↓	↓	↓	8	X	X	X	X	X	
4 MW-1		↓	1130		↓	↓	↓	↓	8	X	X	X	X	X	

Relinquished by:	Date	Time	Received by:	Date	Time	Relinquished by:	Date	Time	Received by:	Date	Time
Signature _____			Signature _____			Signature _____	4/8/11		Signature Desiree Tetrault	4/8/11	
Printed ~~N. Pietropaoli~~			Printed _____			Printed Patrick Harris			Printed DESIREE TETRAULT		
Company ~~Stellar Environmental~~			Company _____			Company Blaine Tech	1238		Company C&T	1238	

Turnaround Time: 5 Day TAT
Comments: Global ID: TO600102243

Relinquished by:	Date	Time	Received by:	Date	Time
Signature _____			Signature _____		
Printed _____			Printed _____		
Company _____			Company _____		

2000-00-01

★ Stellar Environmental Solutions

2198 Sixth Street #201, Berkeley, CA 94710

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 227124 Date Received 4/8/11 Number of coolers 1
Client Stellar Env. Project Oakland Autoworks

Date Opened 4/8/11 By (print) R. Pams (sign)
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 (X) 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 (X) Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: (X) Wet ☐ Blue/Gel ☐ None Temp(°C) ____

☐ 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. Did you check preservatives for all bottles for each sample? ____ YES NO (N/A)
16. Did you document your preservative check ____ YES NO (N/A)
17. Are bubbles > 6mm absent in VOA samples? ____ (YES) NO N/A
18. 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 #:	227124	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	04/08/11
Units:	ug/L	Received:	04/08/11
Diln Fac:	1.000	Analyzed:	04/11/11
Batch#:	173625		

Field ID: MW-4 Lab ID: 227124-001
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	150 Y Z	50

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

Field ID: MW-2 Lab ID: 227124-002
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	810 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	114	75-130

Field ID: MW-3 Lab ID: 227124-003
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	1,100 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	117	75-130

Field ID: MW-1 Lab ID: 227124-004
Type: SAMPLE

Analyte	Result	RL
Gasoline C7-C12	2,500 Y	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	129	75-130

Type: BLANK Lab ID: QC587095

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	96	75-130

Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	227124	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC587096	Batch#:	173625
Matrix:	Water	Analyzed:	04/11/11
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	921.5	92	75-126

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	109	75-130

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	227124	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8015B
Field ID:	MW-4	Batch#:	173625
MSS Lab ID:	227124-001	Sampled:	04/08/11
Matrix:	Water	Received:	04/08/11
Units:	ug/L	Analyzed:	04/11/11
Diln Fac:	1.000		

Type: MS Lab ID: QC587097

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	147.0	2,000	1,763	81	68-120

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	113	75-130

Type: MSD Lab ID: QC587098

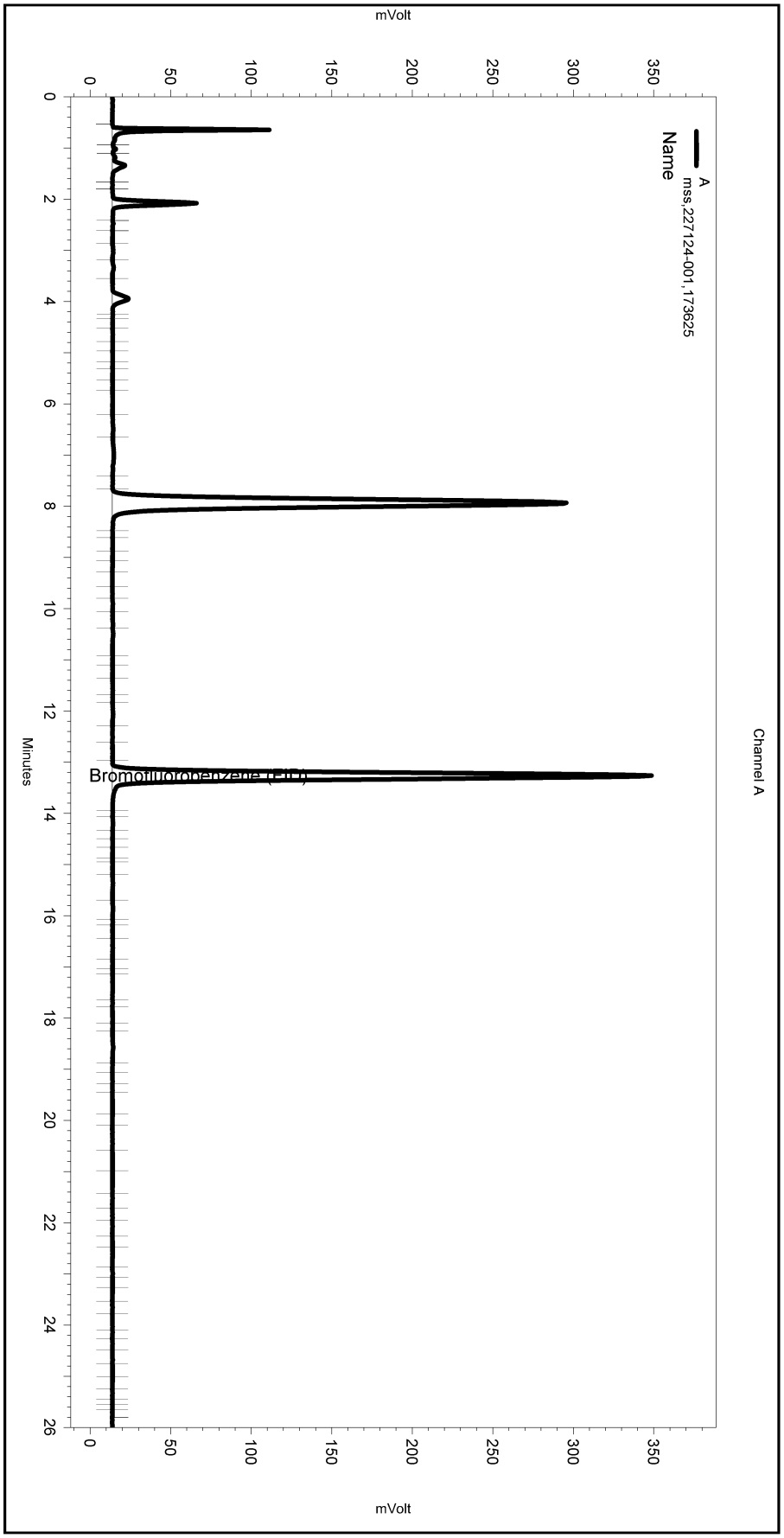
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,729	79	68-120	2	26

Surrogate	%REC	Limits
Bromofluorobenzene (FID)	114	75-130

RPD= Relative Percent Difference

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC05\Sequence\101.seq**
Sample Name: **mss,227124-001,173625**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC05\Data\101-007**
Instrument: GC05 Vial: N/A Operator: lims2k3\tvh3
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe068.met

Software Version 3.1.7
Run Date: 4/11/2011 6:11:40 PM
Analysis Date: 4/11/2011 6:40:23 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: a1.0



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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: C:\Documents and Settings\All Users\Application Data\ChromatographySystem\Recovery Data\Instrument.10048\101-007_BEA5.tmp

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Sample Name: **227124-002,173625**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC05\Data\101-010**
Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe068.met

Software Version 3.1.7
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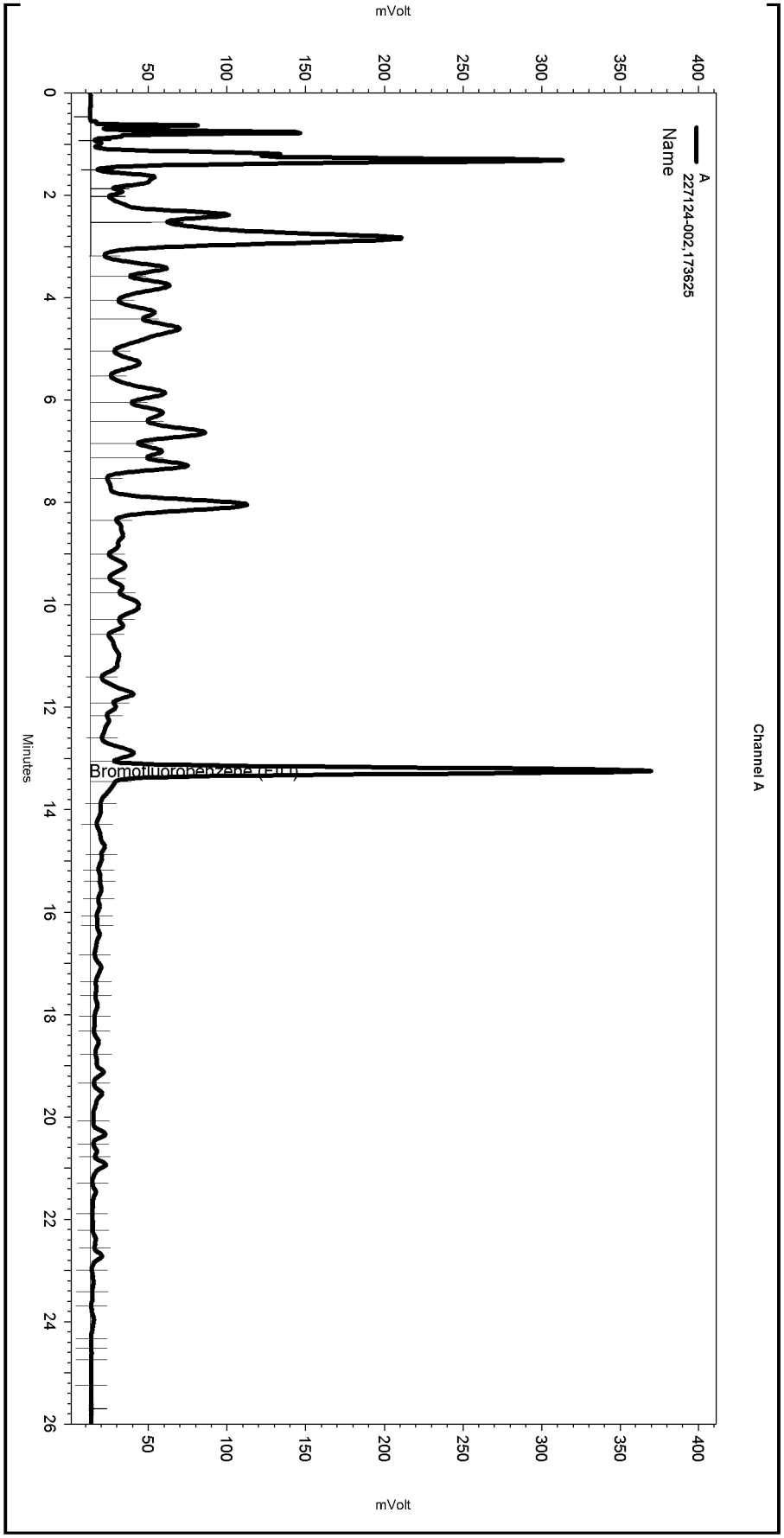
Analysis Date: 4/12/2011 12:03:13 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: a1.0



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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\GC05\Data\101-010

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.083	25.895	0
Yes	Split Peak	13.453	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC05\Sequence\101.seq**
Sample Name: **227124-003,173625**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC05\Data\101-011**
Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe068.met

Software Version 3.1.7
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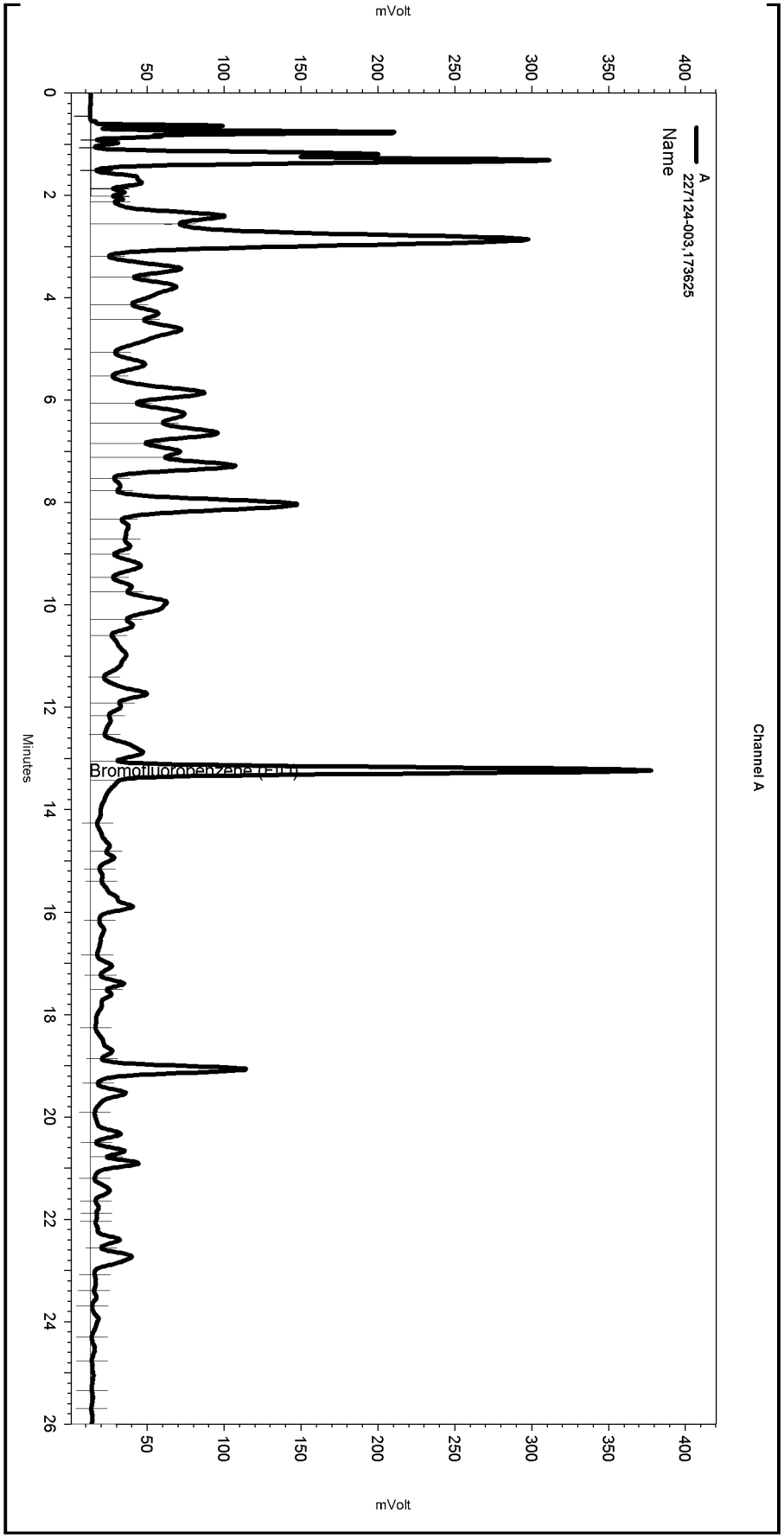
Analysis Date: 4/12/2011 12:10:51 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: a1.0



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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\GC05\Data\101-011

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.586	25.945	0
Yes	Split Peak	13.425	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC05\Sequence\101.seq**
Sample Name: **227124-004,173625**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC05\Data\101-012**
Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe068.met

Software Version 3.1.7
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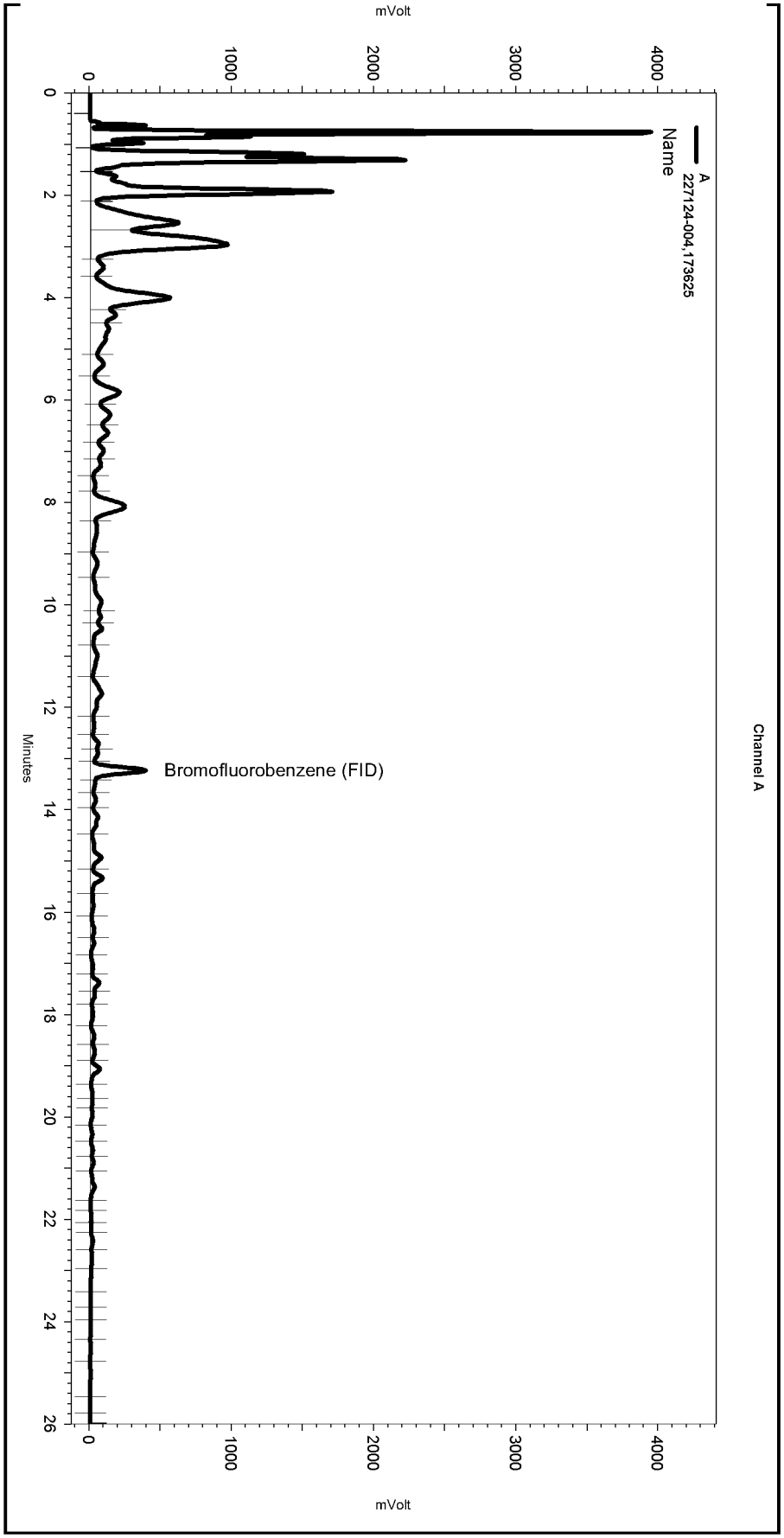
Analysis Date: 4/12/2011 12:46:42 PM
Sample Amount: 5 Multiplier: 5
Vial & pH or Core ID: a1.0



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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

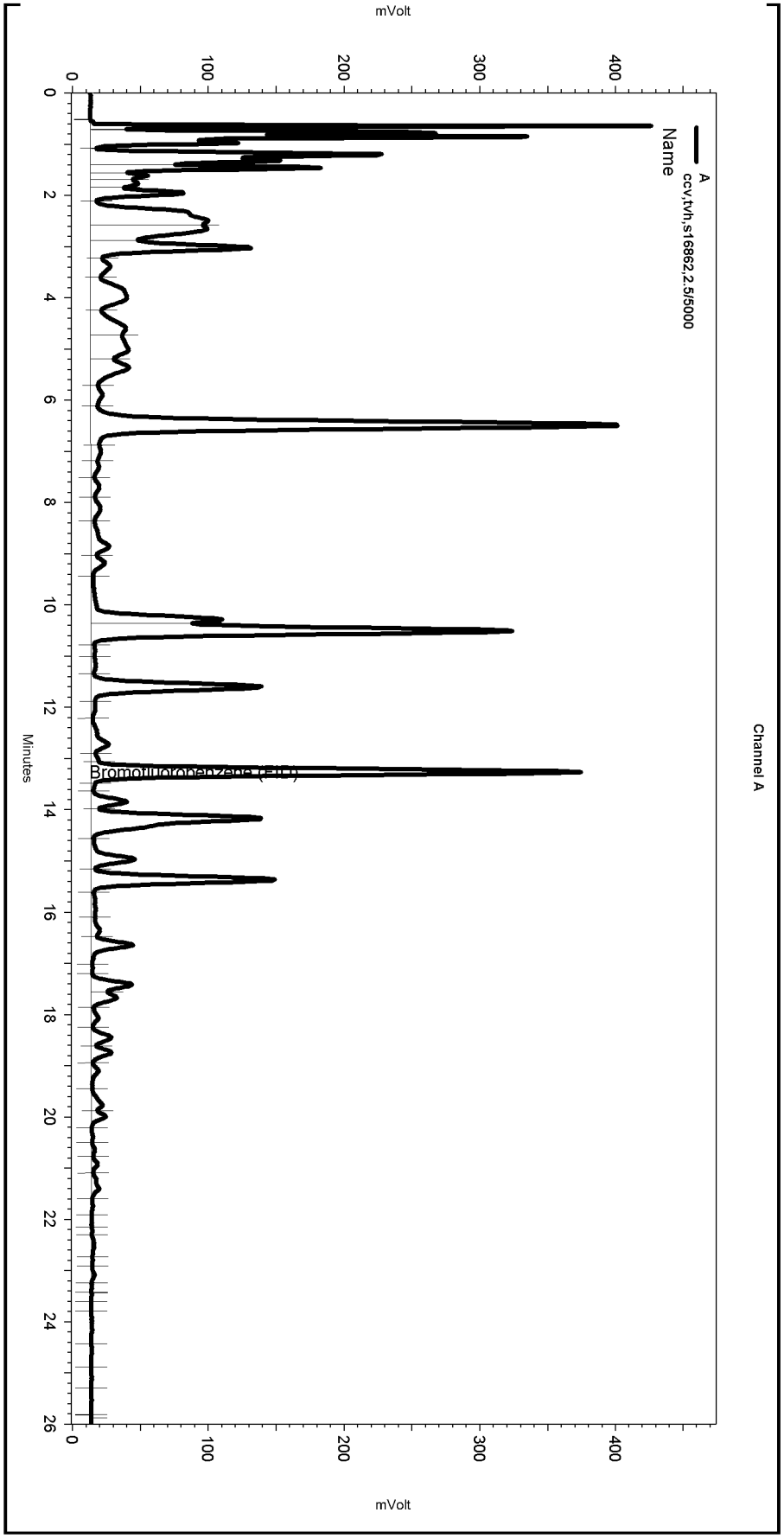
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC05\Data\101-012

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Lowest Point Horizontal Baseli	0.555	25.754	0
Yes	Split Peak	13.411	0	0

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC05\Sequence\101.seq**
Sample Name: **ccv,tvh,s16862,2.5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC05\Data\101-003**
Instrument: GC05 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC05\Method\tvhbtxe068.met

Software Version 3.1.7
Run Date: 4/11/2011 11:58:25 AM
Analysis Date: 4/12/2011 1:10:36 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\GC05\Data\101-003

Enabled	Event Type	Start (Minutes)	Stop (Minutes)	Value
Yes	Split Peak	13.068	0	0
Yes	Split Peak	13.489	0	0

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	227124	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 3520C
Project#:	2003-43	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	04/08/11
Units:	ug/L	Received:	04/08/11
Diln Fac:	1.000	Prepared:	04/08/11
Batch#:	173573	Analyzed:	04/10/11

Field ID: MW-2 Lab ID: 227124-002
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	520	50

Surrogate	%REC	Limits
o-Terphenyl	101	60-129

Field ID: MW-3 Lab ID: 227124-003
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	910	50

Surrogate	%REC	Limits
o-Terphenyl	95	60-129

Field ID: MW-1 Lab ID: 227124-004
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	1,400	50

Surrogate	%REC	Limits
o-Terphenyl	89	60-129

Type: BLANK Lab ID: QC586908

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
o-Terphenyl	101	60-129

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

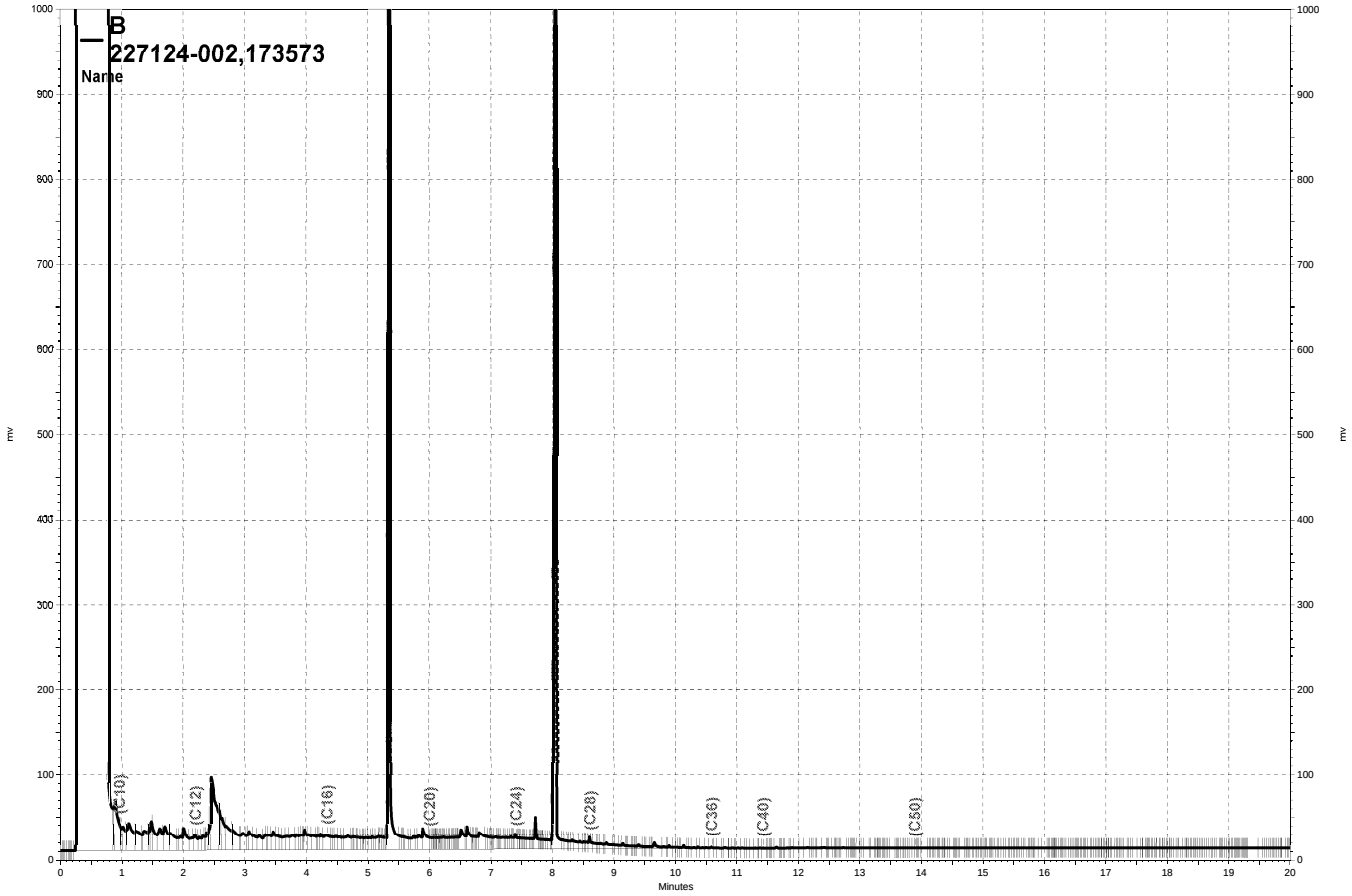
Total Extractable Hydrocarbons

Lab #:	227124	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 3520C
Project#:	2003-43	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC586909	Batch#:	173573
Matrix:	Water	Prepared:	04/08/11
Units:	ug/L	Analyzed:	04/10/11

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,012	80	53-128

Surrogate	%REC	Limits
o-Terphenyl	102	60-129



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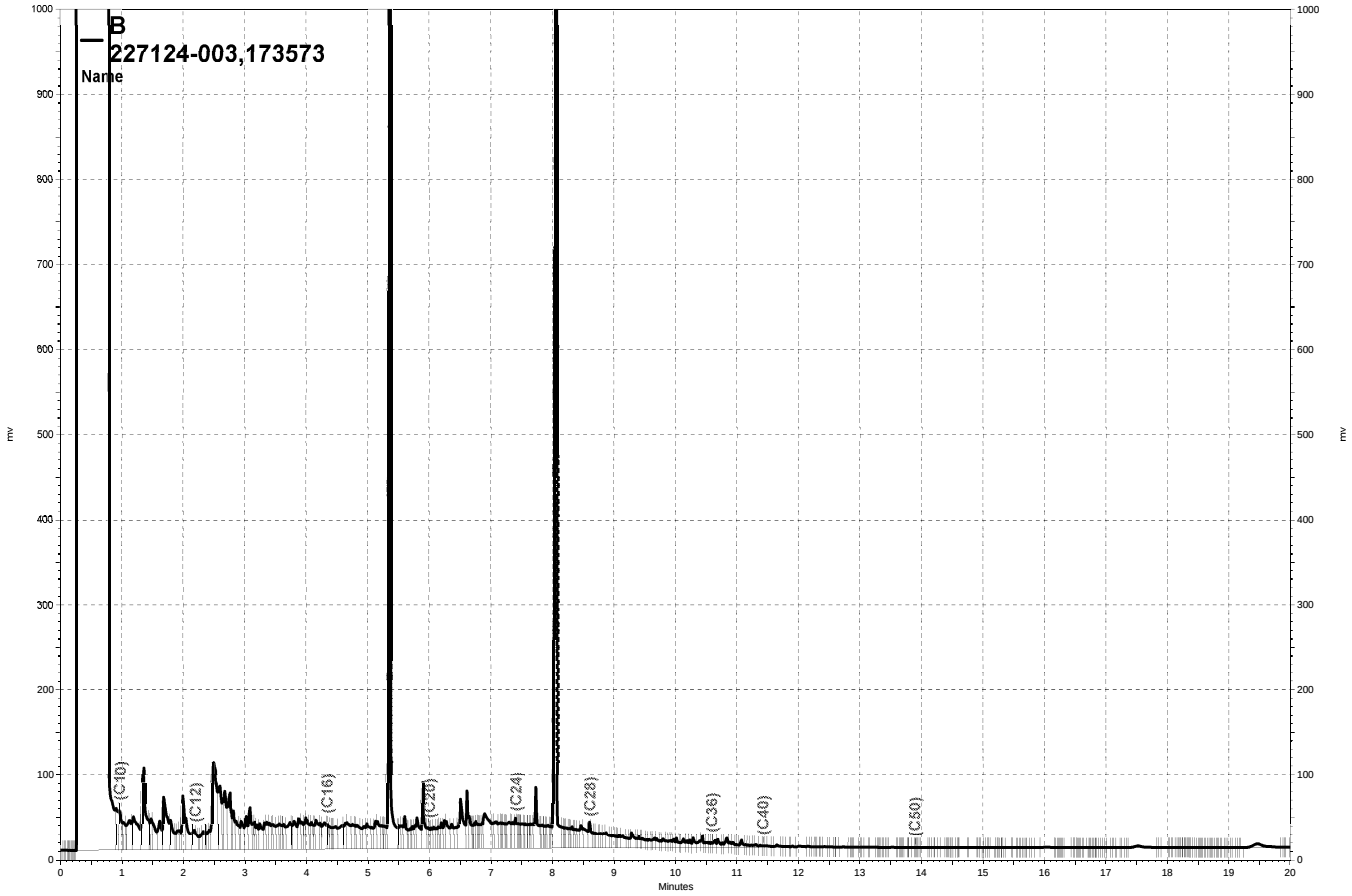

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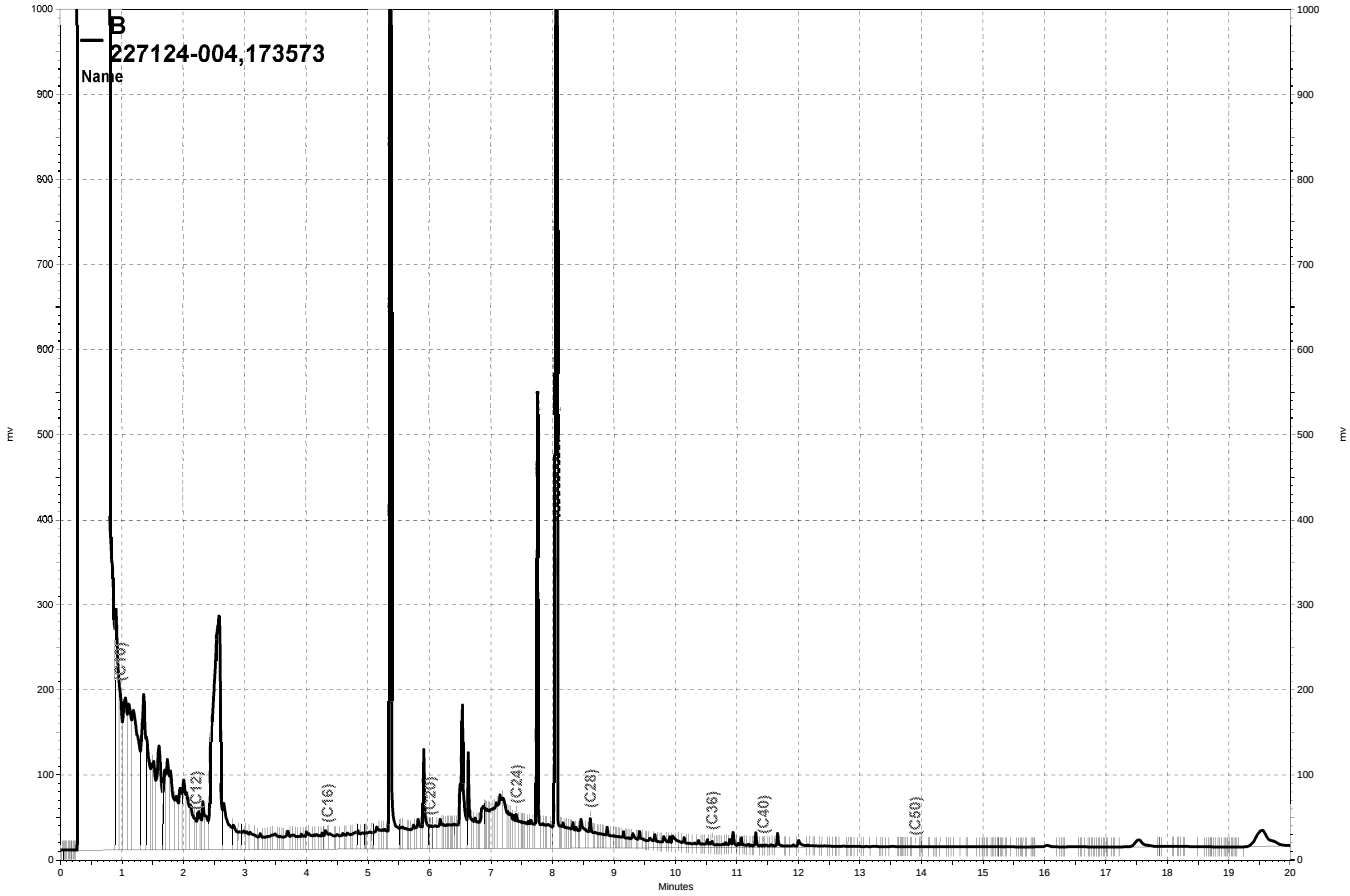

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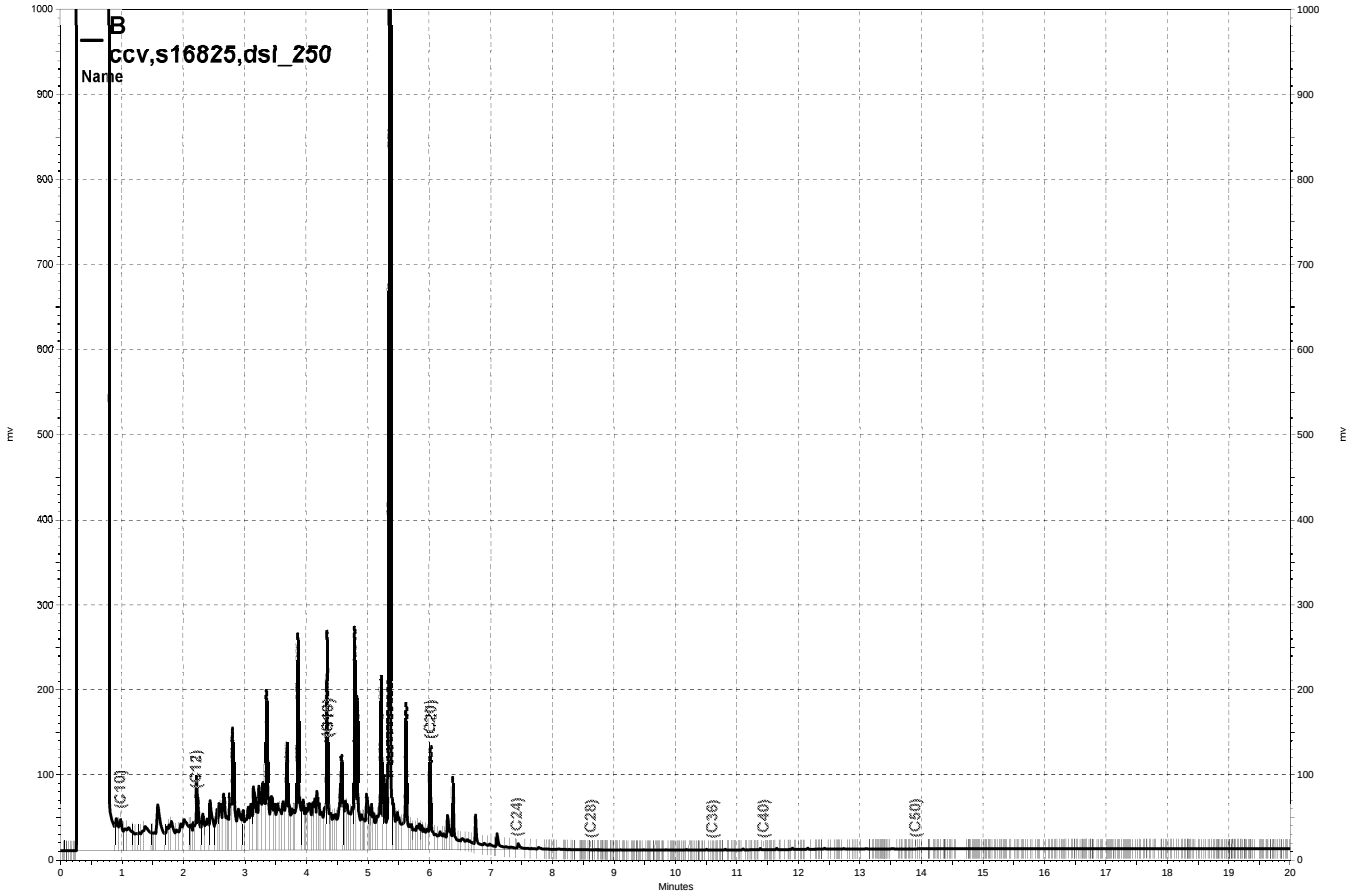

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Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	227124	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8260B
Field ID:	MW-2	Batch#:	173606
Lab ID:	227124-002	Sampled:	04/08/11
Matrix:	Water	Received:	04/08/11
Units:	ug/L	Analyzed:	04/11/11
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	28	10
MTBE	22	0.5
Isopropyl Ether (DIPE)	4.8	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	1.4	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	111	80-125
1,2-Dichloroethane-d4	91	71-146
Toluene-d8	93	80-120
Bromofluorobenzene	104	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	227124	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8260B
Field ID:	MW-3	Batch#:	173606
Lab ID:	227124-003	Sampled:	04/08/11
Matrix:	Water	Received:	04/08/11
Units:	ug/L	Analyzed:	04/11/11
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	14	10
MTBE	19	0.5
Isopropyl Ether (DIPE)	2.2	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	1.8	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	110	80-125
1,2-Dichloroethane-d4	90	71-146
Toluene-d8	97	80-120
Bromofluorobenzene	106	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

BTXE & Oxygenates

Lab #:	227124	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8260B
Field ID:	MW-1	Batch#:	173636
Lab ID:	227124-004	Sampled:	04/08/11
Matrix:	Water	Received:	04/08/11
Units:	ug/L	Analyzed:	04/12/11
Diln Fac:	1.000		

Analyte	Result	RL
tert-Butyl Alcohol (TBA)	34	10
MTBE	ND	0.5
Isopropyl Ether (DIPE)	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
1,2-Dichloroethane	2.9	0.5
Benzene	75	0.5
Methyl tert-Amyl Ether (TAME)	ND	0.5
Toluene	2.3	0.5
1,2-Dibromoethane	ND	0.5
Ethylbenzene	8.8	0.5
m,p-Xylenes	18	0.5
o-Xylene	6.3	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-125
1,2-Dichloroethane-d4	105	71-146
Toluene-d8	95	80-120
Bromofluorobenzene	101	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	227124	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC587028	Batch#:	173606
Matrix:	Water	Analyzed:	04/11/11
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	113	80-125
1,2-Dichloroethane-d4	95	71-146
Toluene-d8	96	80-120
Bromofluorobenzene	104	80-120

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	227124	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	173606
Units:	ug/L	Analyzed:	04/11/11
Diln Fac:	1.000		

Type: BS Lab ID: QC587029

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	106.3	113.2	106	45-152
MTBE	21.25	21.50	101	60-123
Isopropyl Ether (DIPE)	21.25	24.44	115	53-138
Ethyl tert-Butyl Ether (ETBE)	21.25	23.89	112	56-130
1,2-Dichloroethane	21.25	19.92	94	70-136
Benzene	21.25	23.32	110	80-124
Methyl tert-Amyl Ether (TAME)	21.25	19.31	91	63-120
Toluene	21.25	21.92	103	80-120
1,2-Dibromoethane	21.25	20.14	95	80-120
Ethylbenzene	21.25	21.92	103	80-122
m,p-Xylenes	42.50	42.54	100	80-123
o-Xylene	21.25	22.35	105	80-121

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-125
1,2-Dichloroethane-d4	90	71-146
Toluene-d8	99	80-120
Bromofluorobenzene	103	80-120

Type: BSD Lab ID: QC587030

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	106.3	111.3	105	45-152	2	32
MTBE	21.25	21.48	101	60-123	0	20
Isopropyl Ether (DIPE)	21.25	24.01	113	53-138	2	20
Ethyl tert-Butyl Ether (ETBE)	21.25	23.15	109	56-130	3	20
1,2-Dichloroethane	21.25	20.04	94	70-136	1	20
Benzene	21.25	23.37	110	80-124	0	20
Methyl tert-Amyl Ether (TAME)	21.25	19.43	91	63-120	1	20
Toluene	21.25	20.18	95	80-120	8	20
1,2-Dibromoethane	21.25	20.39	96	80-120	1	20
Ethylbenzene	21.25	21.03	99	80-122	4	20
m,p-Xylenes	42.50	42.17	99	80-123	1	20
o-Xylene	21.25	21.07	99	80-121	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-125
1,2-Dichloroethane-d4	90	71-146
Toluene-d8	97	80-120
Bromofluorobenzene	103	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	227124	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	173636
Units:	ug/L	Analyzed:	04/12/11
Diln Fac:	1.000		

Type: BS Lab ID: QC587156

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	113.0	90	45-152
MTBE	25.00	24.18	97	60-123
Isopropyl Ether (DIPE)	25.00	24.26	97	53-138
Ethyl tert-Butyl Ether (ETBE)	25.00	24.83	99	56-130
1,2-Dichloroethane	25.00	24.87	99	70-136
Benzene	25.00	26.32	105	80-124
Methyl tert-Amyl Ether (TAME)	25.00	23.75	95	63-120
Toluene	25.00	25.98	104	80-120
1,2-Dibromoethane	25.00	24.49	98	80-120
Ethylbenzene	25.00	25.71	103	80-122
m,p-Xylenes	50.00	53.65	107	80-123
o-Xylene	25.00	26.95	108	80-121

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-125
1,2-Dichloroethane-d4	98	71-146
Toluene-d8	99	80-120
Bromofluorobenzene	97	80-120

Type: BSD Lab ID: QC587157

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	127.1	102	45-152	12	32
MTBE	25.00	24.99	100	60-123	3	20
Isopropyl Ether (DIPE)	25.00	24.43	98	53-138	1	20
Ethyl tert-Butyl Ether (ETBE)	25.00	25.72	103	56-130	4	20
1,2-Dichloroethane	25.00	24.93	100	70-136	0	20
Benzene	25.00	25.64	103	80-124	3	20
Methyl tert-Amyl Ether (TAME)	25.00	24.72	99	63-120	4	20
Toluene	25.00	25.96	104	80-120	0	20
1,2-Dibromoethane	25.00	25.38	102	80-120	4	20
Ethylbenzene	25.00	26.13	105	80-122	2	20
m,p-Xylenes	50.00	54.06	108	80-123	1	20
o-Xylene	25.00	27.69	111	80-121	3	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-125
1,2-Dichloroethane-d4	94	71-146
Toluene-d8	98	80-120
Bromofluorobenzene	97	80-120

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

BTXE & Oxygenates

Lab #:	227124	Location:	Oakland Auto Works
Client:	Stellar Environmental Solutions	Prep:	EPA 5030B
Project#:	2003-43	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC587158	Batch#:	173636
Matrix:	Water	Analyzed:	04/12/11
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	99	80-125
1,2-Dichloroethane-d4	97	71-146
Toluene-d8	96	80-120
Bromofluorobenzene	97	80-120

ND= Not Detected
RL= Reporting Limit