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MACTEC

March 20, 2003

Mr. Ondrej Kojnok
Tri Star Partnership
2980 Thomas Grade
Morgan Hill, California 95037

SUBJECT: FOURTH QUARTER 2002 GROUNDWATER MONITORING REPORT
AUTOPRO FACILITY
5200 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA
MACTEC E&C PROJECT NO. 51644.030

Mr. Kojnok:

MACTEC Engineering & Consulting (MACTEC, formerly Harding ESE, a MACTEC Company) is pleased to present the results of fourth quarter 2002 groundwater monitoring activities for the Autopro Facility (site) located at 5200 Telegraph Avenue in Oakland, California (Figure 1 - Location Map). These activities were mandated by the Alameda County Health Care Services Agency (ACHCSA) in a letter dated August 13, 2001. The following report describes the activities completed and the results.

FIELD ACTIVITIES

On January 6, 2003, MACTEC personnel performed groundwater monitoring activities at the site. Monitoring activities were not performed during the month of December due to holiday scheduling conflicts between the Autopro facility and MACTEC. At the Autopro facility, depths to groundwater were measured using an electronic water level meter in four on-site groundwater monitoring wells (Figure 2 - Site Map). The fifth off-site well was not gauged because the manhole had been removed causing the area above the well casing to fill with soil and debris. MACTEC personnel did not remove the debris for fear that the well casing might be damaged without a replacement manhole cover. The manhole cover will be replaced during the first quarterly monitoring event of 2003. No evidence of free-product was found in any of the four wells. A minimum of three volumes of groundwater was removed from each well using a properly cleaned reusable bailer and new nylon cord. Temperature, pH, and electrical conductivity parameters were not recorded during the well purging process due to a malfunctioning meter. Groundwater samples were collected from the well following the purge process using a pre-cleaned disposable bailer and new nylon cord. Groundwater sample collection logs are presented as an attachment. Groundwater was decanted from the disposable bailer into laboratory-supplied glassware. The samples were then labeled and placed in a cooler on ice, under proper chain-of-custody documentation, and transported to a State-certified analytical laboratory by MACTEC personnel.

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The samples collected from the Autopro facility were analyzed by McCampbell Analytical Inc. (McCampbell) for Total Petroleum Hydrocarbons as gasoline (TPH-G), as diesel (TPH-D), and as motor oil (TPH-MO); benzene, toluene, ethylbenzene, and total xylenes (BTEX); and methyl tertiary butyl ether (MTBE) by Environmental Protection Agency (EPA) methods 8015, 8015M, 8015M, 8020, and 8020, respectively. Laboratory reports and chain-of-custody documentation are included as an attachment.

Purge water and equipment rinseate were stored on-site in properly labeled Department of Transportation (DOT)-rated 55-gallon drums pending analysis and proper disposal/recycling.

RESULTS

Depth to groundwater in the four on-site wells (MW-1 through MW-4) from the most current sampling event, ranged from 9.25 feet to 10.81 feet below top of casing. Groundwater elevations were calculated and are presented in Table 1 - Historical Groundwater Data. Groundwater elevation contours were plotted on Figure 3 - Groundwater Elevation Contour Map, January 6, 2003. Groundwater onsite was found to flow generally towards the south at an approximate gradient of 0.008 feet per foot.

- TPH-G was detected in wells MW-1, MW-3, and MW-4 at concentrations of 540 µg/L, 6,300 µg/L, and 2,500 µg/L, respectively.
- TPH-D was detected in wells MW-1, MW-2, MW-3, and MW-4 at concentrations of 1,800 µg/L, 230 µg/L, 5,100 µg/L and 2,100 µg/L, respectively.
- TPH-MO was detected in wells MW-1, MW-2, and MW-4 at concentrations of 3,300 µg/L, 620 µg/L, and 370 µg/L, respectively.
- Benzene was detected in well MW-4 at a concentration of 0.69 µg/L.
- Toluene was detected in wells MW-1, MW-3 and MW-4 at concentrations of 2.20 µg/L, 7 µg/L and 2.4 µg/L, respectively.
- Ethybenzene was detected in wells MW-3 and MW-4 at concentrations of 8.5 µg/L and 1.7 µg/L, respectively.
- Total Xylenes was detected in wells MW-3 and MW-4 at concentrations of 15 µg/L and 1.4 µg/L, respectively.
- MTBE was not detected above reporting limits in any well.

Table 2 - Historical Groundwater Analytical Data is a tabular summary of the laboratory report for this quarter and previous quarters. Figures 4 through 7 graphically depict the estimated extent of TPH-G, TPH-D, Benzene, and MTBE in groundwater for the site during this quarter.

CONCLUSIONS

Based on the results of the fourth quarter 2002 groundwater monitoring activities, MACTEC concludes the following:

- Groundwater flow direction is generally to the southwest at a gradient of 0.008 ft/ft, which compares with previously obtained data for the site.
- TPH-D concentrations decreased in well MW-3; and increased in wells MW-1, MW-2, MW-4.
- TPH-MO concentrations remained below laboratory detection limits in well MW-3; and increased in wells MW-1, MW-2, and MW-4.
- TPH-G concentrations decreased in well MW-3; remained below laboratory detection limits in well MW-2; remained the same in well MW-4; and increased in well MW-1.
- Benzene concentrations decreased to below laboratory detection limits in well MW-3; decreased in well MW-4; and remained below laboratory detection limits in wells MW-1 and MW-2.
- Toluene concentrations decreased in wells MW-3 and MW-4; remained below laboratory detection limits in well MW-2; and increased in well MW-1.
- Ethylbenzene concentrations decreased in wells MW-3 and MW-4; and remained below laboratory detection limits in wells MW-1 and MW-2.
- Total Xylene concentrations decreased in wells MW-3 and MW-4; and remained below laboratory detection limits in wells MW-1 and MW-2.
- All regulated analytes (benzene, toluene, ethylbenzene, xylene and MTBE) are below maximum concentration levels (MCLs) according to *Title 22, California Code of Regulations, Division 4. Environmental Health, Chapter 15. Domestic Water Quality and Monitoring, Article 5.5. Primary Standards – Organic Chemicals, Section 64444. General Requirements, Table 64444-A* (See last row of Table 2).

CLOSURE

This report has been prepared by Harding ESE for the exclusive use by Mr. Ondrej M. Kojnok, Attorney at Law, and Mr. George Tuma of Autopro, as it pertains to their site located at 5200 Telegraph Avenue in Oakland, California. Our professional services have been performed using that degree of care and skill ordinarily exercised under similar circumstances by other geologists and engineers practicing in this field. No other warranty, expressed or implied, is made as to professional advice in this report.

Sincerely,
HARDING ESE, A MACTEC COMPANY

Jason T. House
Senior Staff Environmental Scientist

Buck King
Senior Project Hydrogeologist
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California C.H.G No. 433

Attachments: Table 1 – Historical Groundwater Elevation Data
Table 2 – Historical Groundwater Analytical Data
Figure 1 – Location Map
Figure 2 – Site Map
Figure 3 – Groundwater Elevation Contour Map, January 6, 2003
Figure 4 – Estimated Extent of TPH-G in Groundwater, January 6, 2003
Figure 5 – Estimated Extent of TPH-D in Groundwater, January 6, 2003
Figure 6 – Estimated Extent of TPH-MO in Groundwater, January 6, 2003
Figure 7 – Estimated Extent of Benzene in Groundwater, January 6, 2003
Groundwater Sample Collection Logs
Laboratory Reports and Chain-of-Custody Documentation

cc w/attachments: Mr. George Tuma, Autopro
Mr. Don Huang, Alameda County Health Care Services

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

Autopro Facility
5200 Telegraph Avenue
Oakland, California

Well I.D.	Date	Datum	Depth to Water (feet)	Ground Water Elevation (ft AMSL)
MW-1	04/26/94	115.44	12.69	102.75
	07/20/94		12.39	103.05
	10/21/94		13.06	102.38
	01/18/95		10.14	105.30
	06/26/96		11.90	103.54
	09/24/96		12.53	102.91
	12/11/96		9.95	105.49
	12/12/97		10.28	105.16
	03/23/98		5.12	110.32
	06/16/98		10.15	105.29
	08/25/98		13.10	102.34
	09/30/98		13.33	102.11
	12/15/98		11.78	103.66
	03/22/02		11.45	103.99
	06/28/02		12.16	103.28
	09/06/02		13.05	102.39
	01/06/03		10.81	104.63
MW-2	04/26/94	114.62	11.15	103.47
	07/20/94		11.44	103.18
	10/21/94		12.30	102.32
	01/18/95		9.21	105.41
	06/26/96		11.16	103.46
	09/24/96		11.81	102.81
	12/11/96		9.17	105.45
	12/12/97		9.39	105.23
	03/23/98		4.32	110.30
	06/16/98		9.23	105.39
	08/25/98		12.25	102.37
	09/30/98		12.42	102.20
	12/15/98		10.93	103.69
	03/22/02		10.32	104.30
	06/28/02		11.26	103.36
	09/06/02		12.10	102.52
	01/06/03		9.94	104.68
MW-3	04/26/94	113.90	10.97	102.93
	07/20/94		11.21	102.69
	10/21/94		11.92	101.98
	01/18/95		8.90	105.00
	06/26/96		10.88	103.02
	09/24/96		12.53	101.37
	12/11/96		8.17	105.73
	12/12/97		8.81	105.09
	03/23/98		3.65	110.25
	06/16/98		8.90	105.00
	08/25/98		12.35	101.55
	09/30/98		12.11	101.79
	12/15/98		10.53	103.37
	03/22/02		9.93	103.97
	06/28/02		10.76	103.14
	09/06/02		11.60	102.30
	01/06/03		9.41	104.49

TABLE 1

HISTORICAL GROUNDWATER ELEVATION DATA

Autopro Facility
5200 Telegraph Avenue
Oakland, California

Well I.D.	Date	Datum	Depth to Water (feet)	Ground Water Elevation (ft AMSL)
MW-4	04/26/94	114.25	10.97	103.28
	07/20/94		11.16	103.09
	10/21/94		11.68	102.57
	01/18/95		9.02	105.23
	06/26/96		10.77	103.48
	09/24/96		11.51	102.74
	12/11/96		8.85	105.40
	12/12/97		8.95	105.30
	03/23/98		3.49	110.76
	06/16/98		9.05	105.20
	08/25/98		12.05	102.20
	09/30/98		12.22	102.03
	12/15/98		10.68	103.57
	03/22/02		10.23	104.02
	06/28/02		10.99	103.26
	09/06/02		11.90	102.35
	01/06/03		9.25	105.00
MW-5	07/18/98	113.06	10.77	102.29
	08/25/98		11.20	101.86
	09/30/98		11.32	101.74
	12/15/98		9.92	103.14
	03/22/02		9.20	103.86
	06/28/02		10.12	102.94
	09/06/02		11.10	101.96
CHEVRON WELLS				
C-3	03/22/02	115.70	13.40	102.30
MW-1	03/22/02	115.02	10.34	104.68
MW-2	03/22/02	112.03	9.89	102.14
MW-3	03/22/02	113.63	14.17	99.46
MW-5	03/22/02	116.70	14.71	101.99

Note:
ft AMSL = feet above mean sea level.

TABLE 2

HISTORICAL GROUNDWATER ANALYTICAL DATA

Autopro Facility
6200 Telegraph Avenue
Oakland, California

Well I.D.	Date Sampled	TPH-D (µg/L)	TPH-MO (µg/L)	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	VOCs (µg/L)	Metals (mg/L)				
											cadmium	chromium	lead	nickel	zinc
MW-1	04/26/94	<50	--	1,400	<0.50	<0.50	4.5	2.1	--	<0.50	0.001	<0.05	<0.005	0.120	<0.10
	07/20/94	100	--	1,200	19	2.5	2.4	1.6	--	--	<0.010	0.220	0.044	0.360	0.350
	10/21/94	130	--	560	8.4	1.1	0.90	1.8	--	--	<0.010	<0.010	<0.020	0.041	0.077
	01/18/95	240	--	620	8.5	2.1	1.3	2.3	--	--	<0.010	0.026	<0.020	0.024	0.067
	06/26/96	56	<250	180	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--
	09/24/96	150	<250	170	3.7	0.92	0.54	0.63	6.5	--	--	--	--	--	--
	12/11/96	300	<250	520	<0.50	0.8	0.59	0.81	<5.0	--	--	--	--	--	--
	12/12/97	280	<250	360	<0.50	0.8	0.82	0.9	<5.0	--	--	--	--	--	--
	03/23/98	96	<250	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--
	08/25/98	110	<250	740	<0.50	<0.50	<0.50	2.40	ND<10	--	--	--	--	--	--
	09/30/98	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
	12/15/98	380	<250	560	<0.5	1.80	0.66	1.50	--	--	--	--	--	--	--
	03/22/02	5,100	6,900	150	<0.5	0.90	<0.5	<0.5	<5.0	--	--	--	--	--	--
	06/28/02	590	280	560	0.54	1.60	<0.5	1.30	<5.0	--	--	--	--	--	--
	09/06/02	320	<250	330	<0.50	1.30	<0.5	<0.5	<5.0	--	--	--	--	--	--
	01/06/03	1,800	3,300	540	<0.50	2.20	<0.50	<0.50	<5.0	--	--	--	--	--	--
MW-2	04/26/94	<50	--	<50	<0.50	<0.50	<0.50	<0.50	--	<0.50	<0.001	<0.05	<0.005	0.060	<0.10
	07/20/94	<50	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	<0.010	0.022	<0.020	0.045	0.068
	10/21/94	<50	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	<0.010	0.031	<0.020	0.027	0.044
	01/18/95	<50	--	<50	<0.50	<0.50	<0.50	<0.50	--	--	<0.010	0.014	<0.020	0.023	0.045
	06/26/96	<50	<250	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--
	09/24/96	<50	<250	<50	<0.50	<0.50	<0.50	<0.50	9.6	--	--	--	--	--	--
	12/11/96	<50	<250	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--
	12/12/97	58	<250	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--
(Dup)	12/12/97	<50	<250	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--
	03/23/98	200	<250	200	<0.50	0.09	<0.50	<0.50	<5.0	--	--	--	--	--	--
	08/25/98	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	09/30/98	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
	12/15/98	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
	03/22/02	110	270	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	06/28/02	410	660	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	09/06/02	<50	<250	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	01/06/03	230	620	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--

TABLE 2

HISTORICAL GROUNDWATER ANALYTICAL DATA

Autopro Facility
5200 Telegraph Avenue
Oakland, California

Well I.D.	Date Sampled	TPH-D (µg/L)	TPH-MO (µg/L)	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	VOCs (µg/L)	Metals (mg/L)				
											cadmium	chromium	lead	nickel	zinc
MW-3	04/26/94	<3,000	--	10,000	70	40	40	50	--	<30	<0.001	<0.05	0.043	0.100	0.100
	07/20/94	1,400	--	7,500	120	38	36	39	--	--	<0.010	0.099	0.140	0.120	0.250
	10/21/94	1,200	--	6,300	69	37	29	38	--	--	<0.010	<0.010	<0.020	0.036	0.140
	01/18/95	1,600	--	8,000	84	16	48	49	--	--	<0.010	0.046	0.049	0.040	0.110
	06/26/96	2,800	<250	6,600	15	17	23	40	53	--	--	--	--	--	--
(Dup)	06/26/96	2,700	<250	6,600	14	16	21	37	49	--	--	--	--	--	--
	09/24/96	2,600	290	4,800	12	11	18	43	42	--	--	--	--	--	--
	12/11/96	2,900	<250	6,700	20	19	32	44	70	--	--	--	--	--	--
	12/12/97	3,300	<250	7,400	32	37	46	90	<160	--	--	--	--	--	--
	03/23/98	1,900	<250	2,500	<0.50	3.2	3.5	7.7	<20	--	--	--	--	--	--
(Dup)	03/23/98	1,600	<250	2,400	<0.50	4.0	3.4	4.4	<18	--	--	--	--	--	--
	08/25/98	--	--	--	0.8	1.1	0.77	2.3	ND<10	--	--	--	--	--	--
	09/30/98	2,800	<250	4,000	6.8	7.3	6.9	19	--	--	--	--	--	--	--
	12/15/98	2,100	<250	3,300	<0.5	8.3	6.2	15	--	--	--	--	--	--	--
	03/22/02	7,700	270	8,300	11	10	13	24	ND <25	--	--	--	--	--	--
	06/28/02	6,900	<250	9,300	53	<5.0	11	23	ND <50	--	--	--	--	--	--
	09/06/02	5,800	<250	9,900	61	10	20	46	ND <25	--	--	--	--	--	--
	01/06/03	5,100	<250	6,300	<5.0	7	8.5	15	ND <50	--	--	--	--	--	--
MW-4	04/26/94	<300	--	6,800	<3.0	<3.0	3.0	4.0	--	<3.0	<0.001	<0.05	0.007	0.060	<0.10
	07/20/94	1,500	--	5,600	35	11	12	17	--	--	<0.010	0.023	<0.020	0.048	0.060
	10/21/94	870	--	4,300	26	19	12	20	--	--	<0.010	0.013	<0.020	<0.020	0.092
	01/18/95	1,300	--	5,700	19	15	13	16	--	--	<0.010	0.020	<0.020	0.021	0.036
	06/26/96	2,500	<250	4,700	<0.25	4.8	11	19	30	--	--	--	--	--	--
	09/24/96	2,200	<250	5,300	<1.0	5.3	8.2	8.3	<35	--	--	--	--	--	--
(Dup)	09/24/96	2,200	<250	5,500	<1.0	6.6	9.4	8.4	<35	--	--	--	--	--	--
	12/11/96	2,400	<250	4,000	<0.25	4.0	7.6	9.2	22	--	--	--	--	--	--
(Dup)	12/11/96	2,800	<250	7,000	18	20	34	49	73	--	--	--	--	--	--
	12/12/97	2,700	<250	3,100	<0.5	3.3	7.6	8.9	<41	--	--	--	--	--	--
	03/23/98	740	500	950	<0.50	2.7	1.0	1.3	<17	--	--	--	--	--	--
	08/25/98	1,800	<250	2,700	<0.5	3.0	4.2	11	ND<30	--	--	--	--	--	--
	09/30/98	1,700	<250	3,300	2.1	7.0	5.9	<0.5	--	--	--	--	--	--	--
	12/15/98	1,800	<250	3,300	<0.5	3.9	4.9	12	--	--	--	--	--	--	--
	03/22/02	2,200	290	3,500	ND <1.0	3.2	2.4	4.6	ND <10	--	--	--	--	--	--
	06/28/02	2,700	940	3,900	2.6	7.3	4.5	7.2	ND <10	--	--	--	--	--	--
	09/06/02	1,800	<250	2,500	2.7	4.2	3.2	5.7	ND <10	--	--	--	--	--	--
	01/06/03	2,100	370	2,500	0.69	2.4	1.7	1.4	ND <5.0	--	--	--	--	--	--

TABLE 2

HISTORICAL GROUNDWATER ANALYTICAL DATA

Autopro Facility
5200 Telegraph Avenue
Oakland, California

Well I.D.	Date Sampled	TPH-D (µg/L)	TPH-MO (µg/L)	TPH-G (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	VOCs (µg/L)	Metals (mg/L)				
											cadmium	chromium	lead	nickel	zinc
MW-5	07/18/98	3,800	ND	5,900	7.40	9.50	17.00	29.00	ND<60	--	--	--	--	--	--
	08/25/98	2,800	<250	5,800	6.1	7.9	16	33	ND<70	--	--	--	--	--	--
	09/30/98	3,600	<250	6,300	13	10	14	4.4	--	--	--	--	--	--	--
	12/15/98	2,800	<250	5,900	9.3	11	13	23	--	--	--	--	--	--	--
	03/22/02	3,600	720	5,100	7.6	5	8.3	15	ND <10	--	--	--	--	--	--
	06/28/02	4,400	310	9,000	41	ND <5.0	8.2	19	ND <50	--	--	--	--	--	--
	09/06/02	4,500	<250	7,600	43	ND <5.0	5.8	12	ND <50	--	--	--	--	--	--
TRIP	06/26/96	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--
	09/24/96	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--
	12/11/96	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--
	12/12/97	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--
	03/23/98	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--
FIELD	03/22/02	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--
	06/28/02	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--
	09/06/02	--	--	<50	<0.50	<0.50	<0.50	<0.50	<5.0	--	--	--	--	--	--
	01/06/03	--	--	<50	<0.50	0.69	<0.50	1.2	8.7	--	--	--	--	--	--
CHEVRON WELLS															
C-3	03/22/02	930	<250	3,600	<5.0	<5.0	6.1	<15	<2.5	--	--	--	--	--	--
MW-1	03/22/02	330	560	100	<0.5	24	0.8	4.9	15	--	--	--	--	--	--
MW-2	03/22/02	--	--	<50	<0.5	<0.5	<0.5	<1.5	<2.5	--	--	--	--	--	--
MW-3	03/22/02	--	--	7,600	<10	4.2	11	<25	<5.0	--	--	--	--	--	--
MW-5	03/22/02	<50	<250	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--	--	--	--	--
MCL	--	--	--	--	1	150	700	1,750	13	--	0.005	0.05	0	0.1	5

Notes:

TPH-D = Total Petroleum Hydrocarbons as Diesel.

TPH-MO = Total Petroleum Hydrocarbons as Motor Oil.

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = methyl tertiary butyl ether.

MCL = (Maximum Contaminant Level) - *Title 22, CCR, Division 4, Environmental Health, Chapter 15. Domestic Water Quality and Monitoring, Article 5.5.*

Primary Standards - Organic Chemicals, Section 64444. General Requirements, Table 64444-A

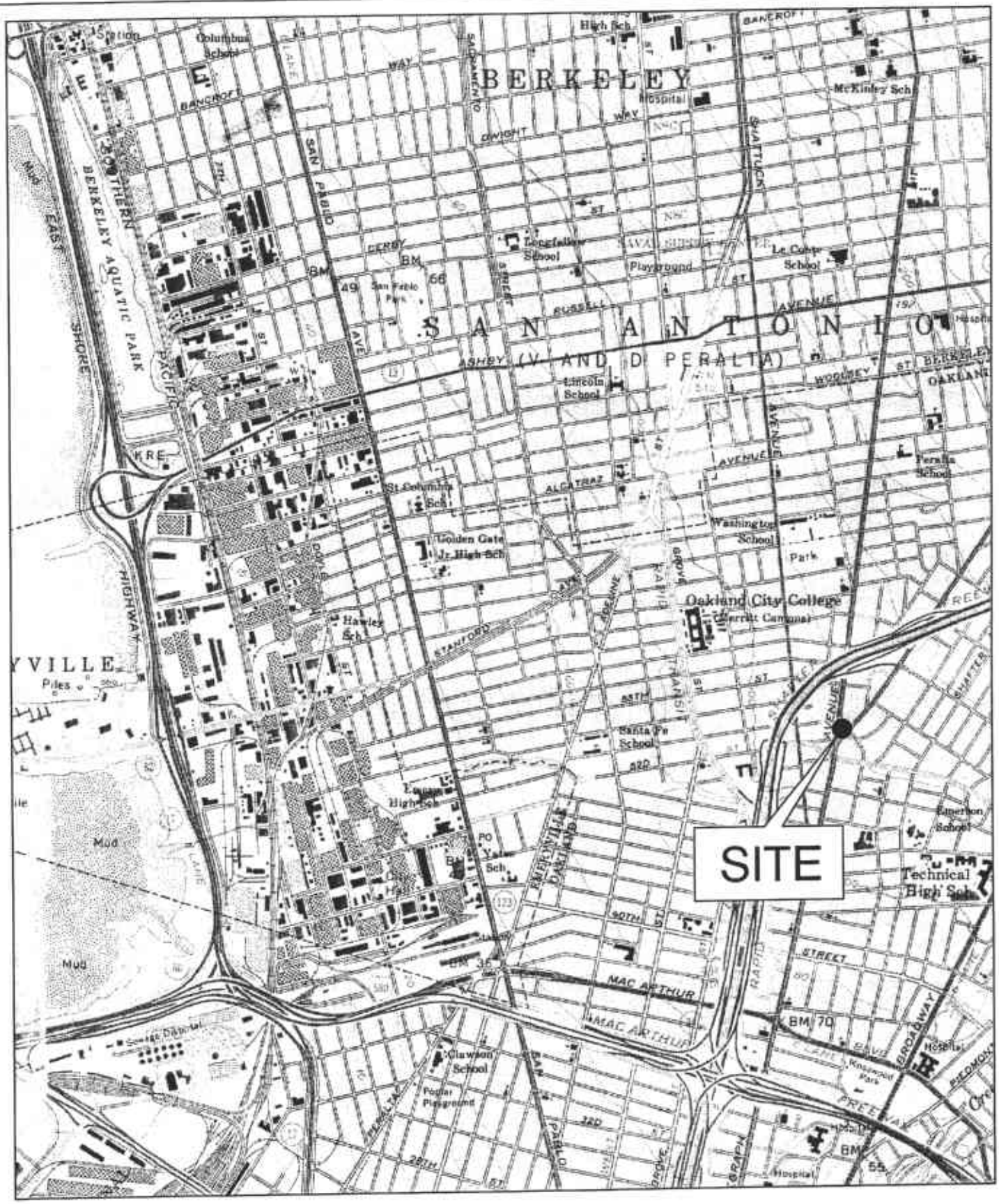
VOCs = Volatile Organic Compounds.

µg/L = micrograms per liter or parts per billion (ppb).

mg/L = milligrams per liter or parts per million (ppm).

< = less than listed detection limits.

-- = not applicable.



20020416.1519

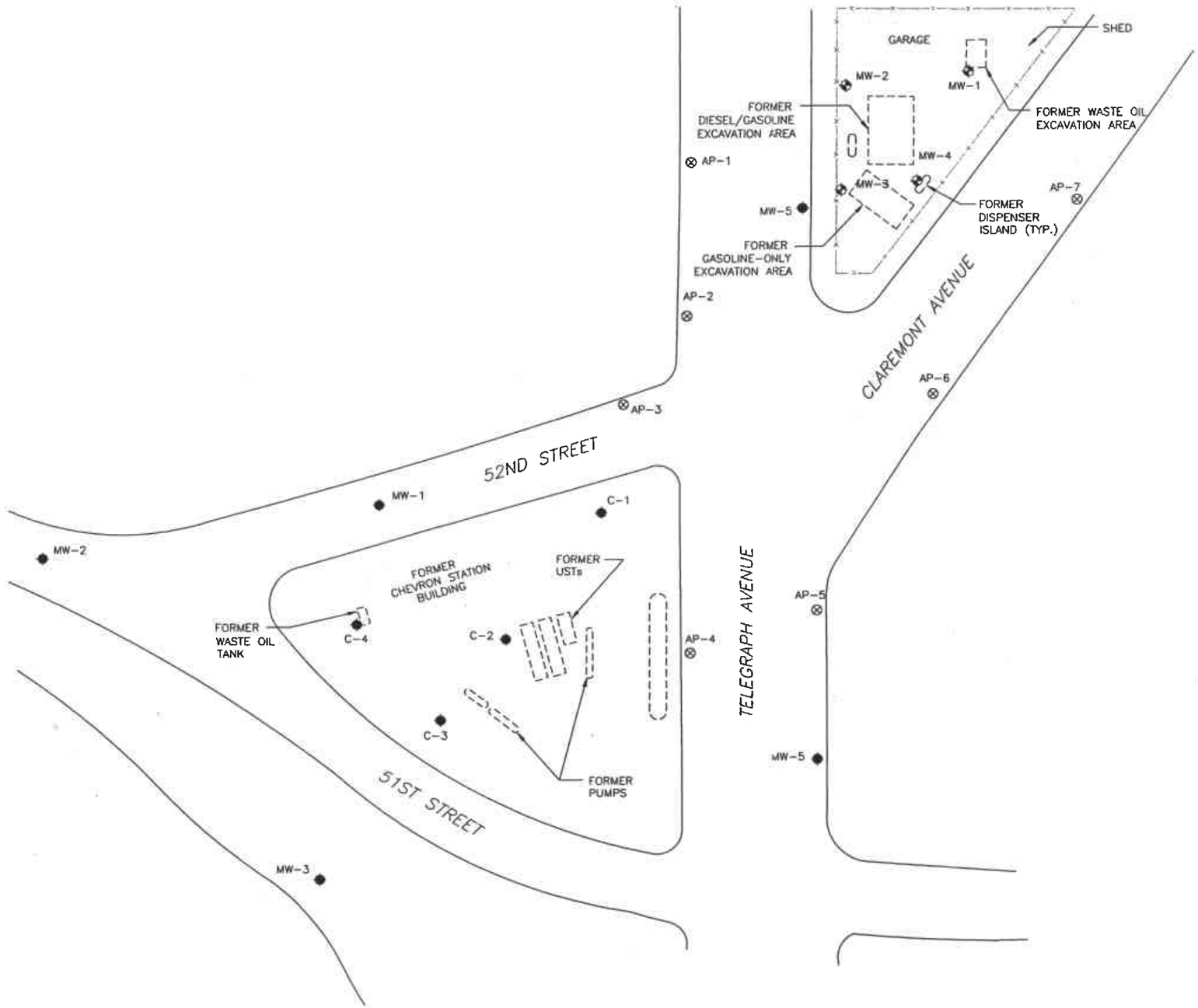
L:\50000\51644\CAD\51644014.dwg
Apr 16, 2002 - 3:19pm

Harding ESE
A MACTEC COMPANY

Vicinity Map
Aoutpro Inc.
5200 Telegraph Avenue
Oakland, California

FIGURE
1

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
SS	51644 030		04/02	



LEGEND

- MW-1 ⊕ GROUND WATER MONITORING WELLS INSTALLED BY QST
- MW-1 / C-1 ● GROUND WATER MONITORING WELLS INSTALLED FOR CHEVRON
- AP-1 ⊗ SOIL BORING BY QST
- ---×--- FENCE

60 0 60 120

SCALE IN FEET

51644007.DWG 1.0
2002/411.1703

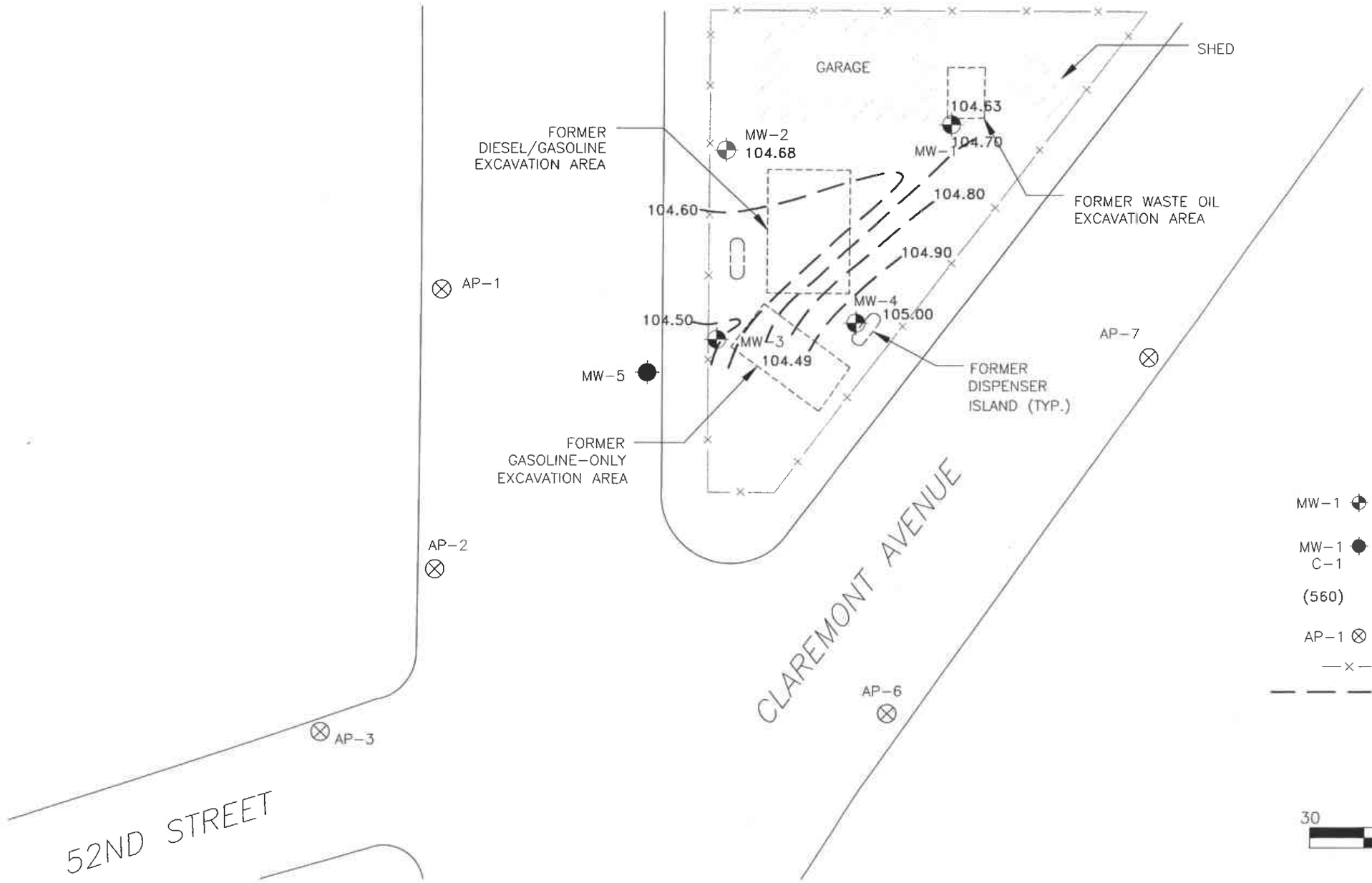
CHEVRON SITE BASE MAP FROM CAMBRIA ENVIRONMENTAL TECHNOLOGY, INC.

Harding ESE
A MACTEC COMPANY

Site Map
Autopro Inc.
5200 Telegraph Avenue
Oakland, California

FIGURE **2**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
SS	51644 030		04/02	



CHEVRON SITE BASE MAP FROM CAMBRIA ENVIRONMENTAL TECHNOLOGY, INC.

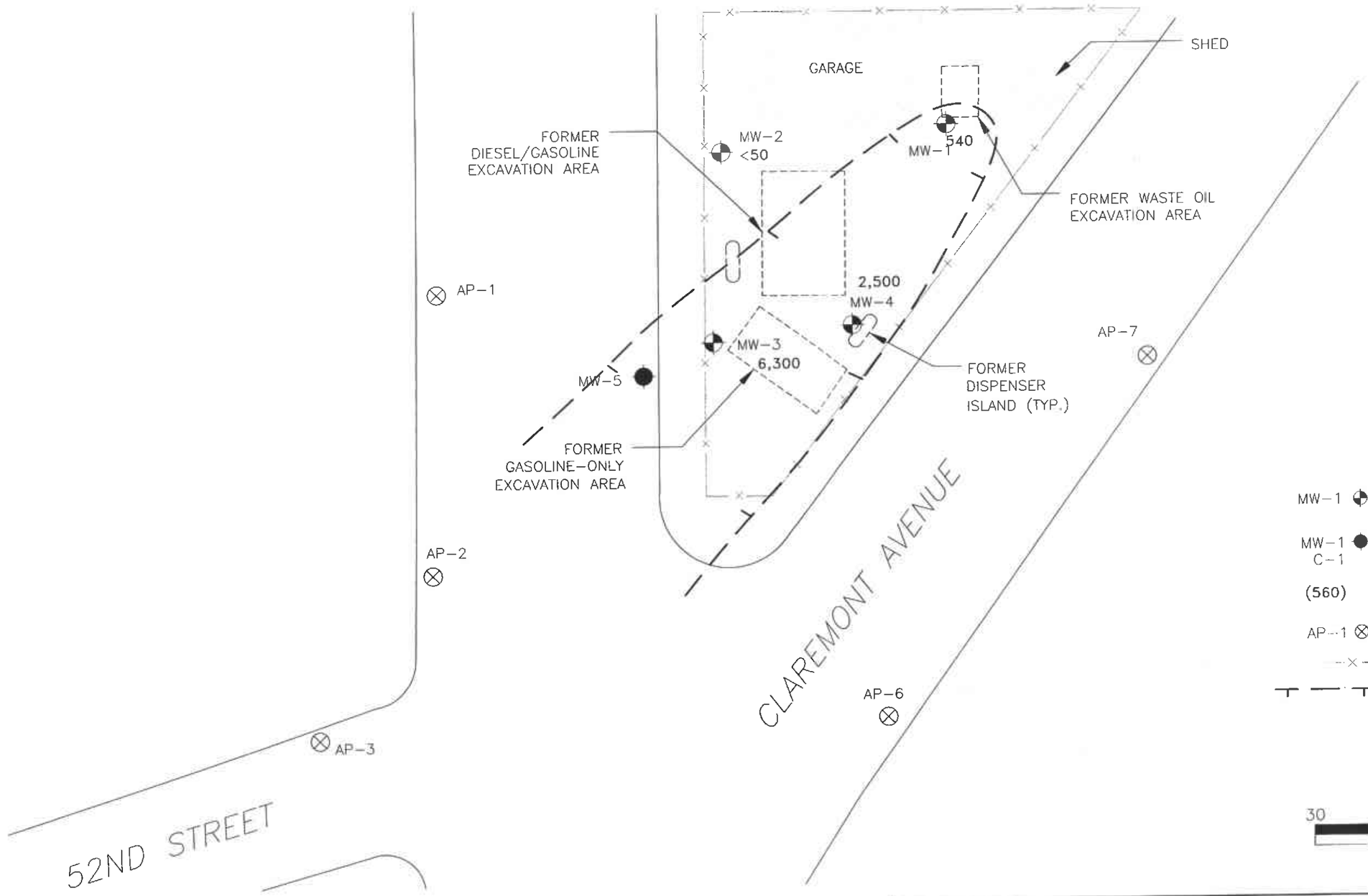
51644022.DWG 1.0
20030314.1446

Harding ESE
A MACTEC COMPANY

Groundwater Elevation Contour Map
January 6, 2003
Autopro Inc.
5200 Telegraph Avenue
Oakland, California

FIGURE
3

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
BJV	51644 030		12/02	



CHEVRON SITE BASE MAP FROM CAMBRIA ENVIRONMENTAL TECHNOLOGY, INC.

LEGEND

- MW-1 ⊕ GROUNDWATER MONITORING WELLS INSTALLED BY QST
- MW-1 / C-1 ● GROUNDWATER MONITORING WELLS INSTALLED FOR CHEVRON
- (560) DETECTED CONCENTRATIONS IN µg/L
- AP-1 ⊗ SOIL BORING BY QST
- –×– FENCE
- CONCENTRATION ISOPLETH

N

30 0 30 60

SCALE IN FEET

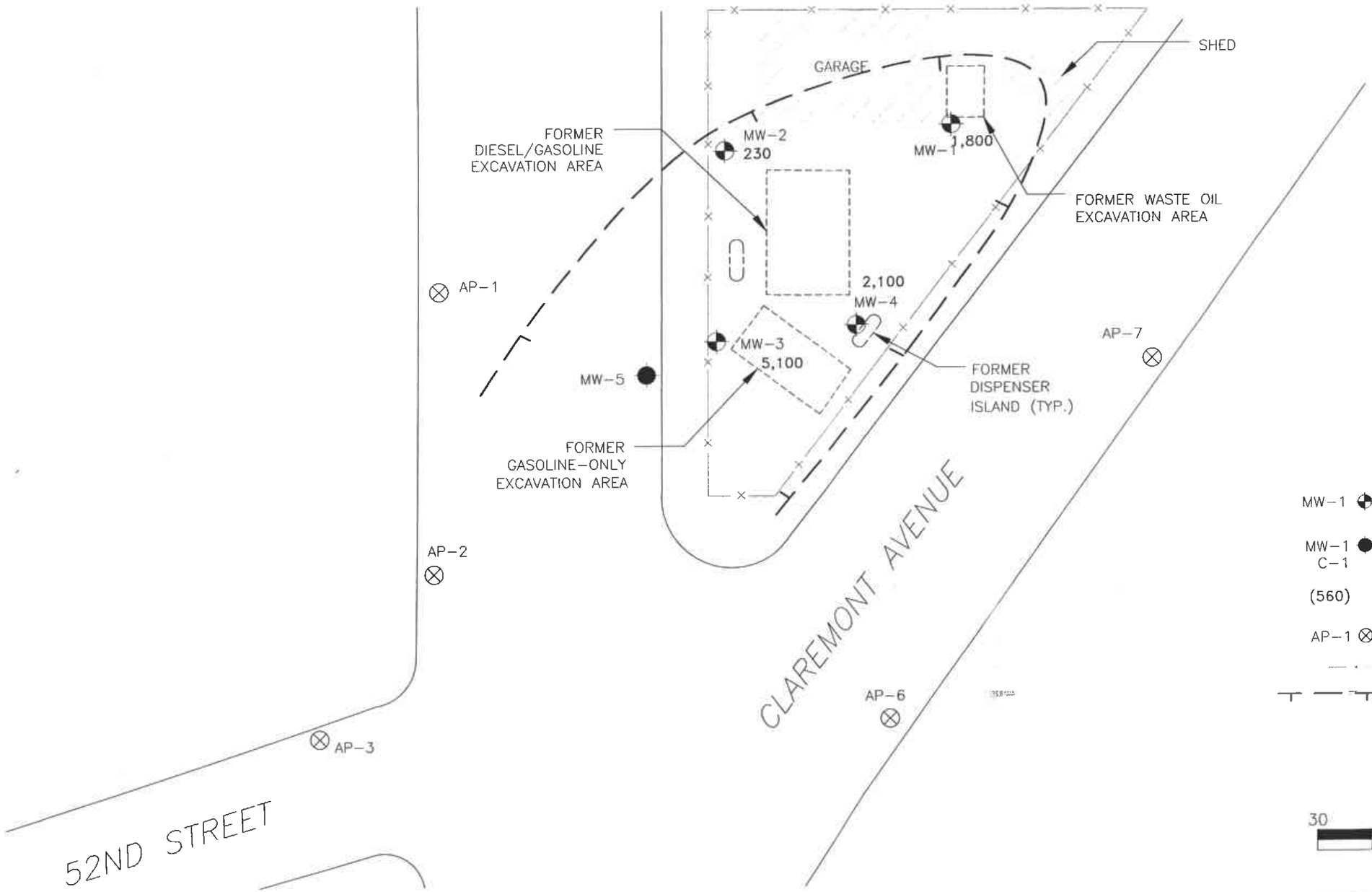
51644023.DWG 1.0
20030317.1107

Harding ESE
A MACTEC COMPANY

Estimated Extent of TPH-6 in Groundwater
January 6, 2003
Autopro Inc.
5200 Telegraph Avenue
Oakland, California

FIGURE **4**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
BJV	51644 030		12/02	



CHEVRON SITE BASE MAP FROM CAMBRIA ENVIRONMENTAL TECHNOLOGY, INC.

LEGEND

- MW-1 ⊕ GROUNDWATER MONITORING WELLS INSTALLED BY QST
- MW-1 / C-1 ● GROUNDWATER MONITORING WELLS INSTALLED FOR CHEVRON
- (560) DETECTED CONCENTRATIONS IN µg/L
- AP-1 ⊗ SOIL BORING BY QST
- FENCE
- CONCENTRATION ISOPLETH

N

30 0 30 60

SCALE IN FEET

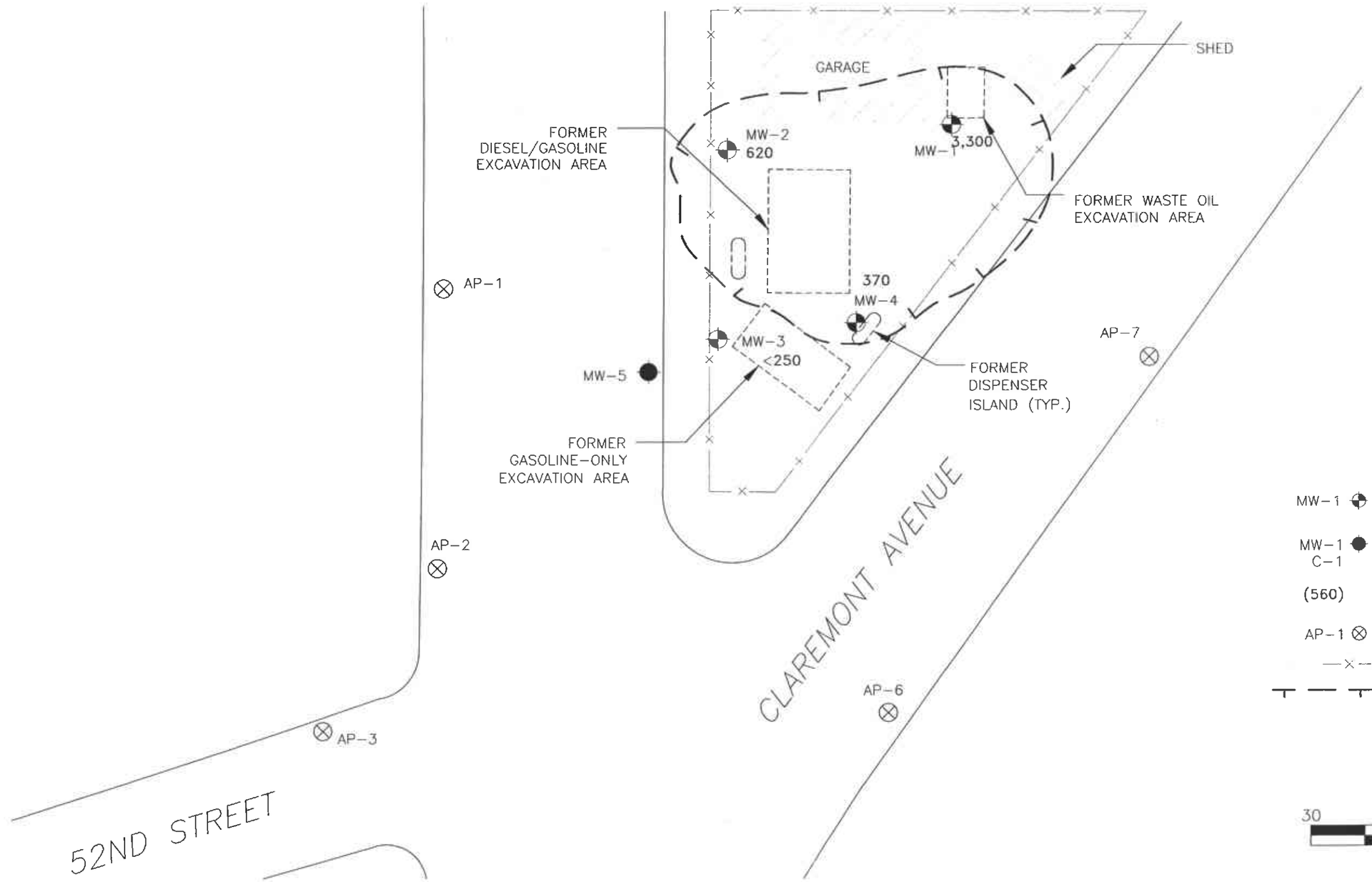
51644024.DWG 1.0
20030314.1445

Harding ESE
A MACTEC COMPANY

Estimated Extent of TPH-D In Groundwater
January 6, 2003
Autopro Inc.
5200 Telegraph Avenue
Oakland, California

FIGURE **5**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
BJV	51644 030		12/02	



CHEVRON SITE BASE MAP FROM CAMBRIA ENVIRONMENTAL TECHNOLOGY, INC.

LEGEND

- MW-1 ⊕ GROUNDWATER MONITORING WELLS INSTALLED BY QST
- MW-1 / C-1 ● GROUNDWATER MONITORING WELLS INSTALLED FOR CHEVRON
- (560) DETECTED CONCENTRATIONS IN µg/L
- AP-1 ⊗ SOIL BORING BY QST
- —x— FENCE
- CONCENTRATION ISOPLETH

N

30 0 30 60

SCALE IN FEET

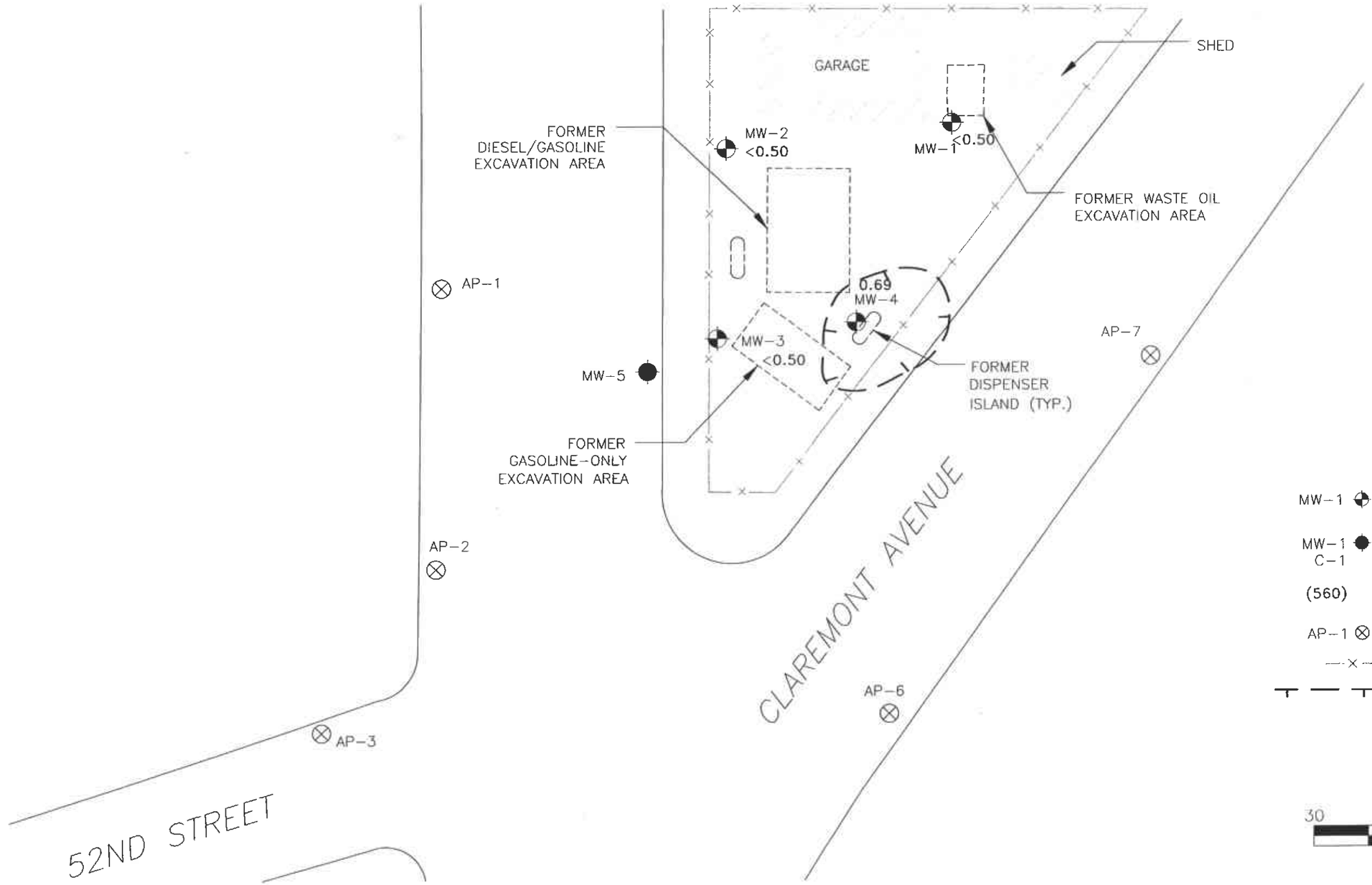
51644025.DWG 1.0
20030314.1444

Harding ESE
A MACTEC COMPANY

Estimated Extent of TPH-MO in Groundwater
January 6, 2003
Autopro Inc.
5200 Telegraph Avenue
Oakland, California

FIGURE **6**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
BJV	51644 030		12/02	



CHEVRON SITE BASE MAP FROM CAMBRIA ENVIRONMENTAL TECHNOLOGY, INC.

LEGEND

- MW-1 ⊕ GROUNDWATER MONITORING WELLS INSTALLED BY QST
- MW-1 C-1 ● GROUNDWATER MONITORING WELLS INSTALLED FOR CHEVRON
- (560) DETECTED CONCENTRATIONS IN µg/L
- AP-1 ⊗ SOIL BORING BY QST
- —x— FENCE
- CONCENTRATION ISOPLETH

N

30 0 30 60

SCALE IN FEET

51644025.DWG 1.0
20030314.1429

Harding ESE
A MACTEC COMPANY

Estimated Extent of Benzene in Groundwater
January 6, 2003
Autopro Inc.
5200 Telegraph Avenue
Oakland, California

FIGURE **7**

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
BJV	51644 030		12/02	

GROUNDWATER SAMPLE COLLECTION LOGS

Harding ESE
A MACTEC COMPANY

SAMPLE COLLECTION LOG

PROJECT NAME: Autopro **SAMPLE LOCATION** MW-1
PROJECT NO.: 51644.030 **SAMPLER:** JTH + CS
DATE: 01/06/03 **PROJECT MANAGER** Butch Reynolds

CASING DIAMETER

2"	X
4"	
Other	

SAMPLE TYPE

Ground Water	X
Surface Water	
Treat. Influent	
Treat. Effluent	
Other	

WELL VOLUMES PER UNIT

Well Casing I.D. (inches)	Gal/Ft.
2.0	0.1632
4.0	0.6528
6.0	1.4690

DEPTH TO PRODUCT: 0 (ft.) PRODUCT THICKNESS: 0 (ft.) MINIMUM PURGE VOLUME
DEPTH TO WATER: 10.81 (ft.) WATER COLUMN: 14.01 (ft.) (3 OR 4 WCV): 6.86 (gal)
DEPTH OF WELL: 24.82 (ft.) WELL CASING VOL.: 2.29 (gal) ACTUAL VOLUME PURGED: 7 (gal)

TIME	VOLUME (gal)	pH (Units)	E.C. (Micromhos)	Temperature (f°)	Turbidity (NTU)	Other:

OVM READING NA

PURGE METHOD

	Displacement Pump		Other
X	Bailer (Teflon/PVC/SS)		Submersible Pump

SAMPLE METHOD

	Bailer (Teflon/PVC/SS)		Dedicated
X	Bailer (Disposable)		Other

NUMBER OF CONTAINERS 5 **TYPES OF CONTAINERS:** (3) VOA, (2) 1L-Amber

SAMPLES COLLECTED	ID	TIME	DATE	LAB	ANALYSES
SAMPLE	010603-1	14:00	01/06/03	MCCampbell	TPH-g/d/mo, 8020
DUPLICATE					
SPLIT					
FIELD BLANK					

COMMENTS: Hydac inoperable.

SAMPLER (sign): [signature] DATE: 01/06/03

Harding ESE
A MACTEC COMPANY

SAMPLE COLLECTION LOG

PROJECT NAME: Autopro
PROJECT NO.: 51644.030
DATE: 01/06/03
SAMPLE LOCATION: MW-2
SAMPLER: JTH + CS
PROJECT MANAGER: Beton Reynolds

CASING DIAMETER

2" X
4" ____
Other ____

SAMPLE TYPE

Ground Water X
Surface Water ____
Treat. Influent ____
Treat. Effluent ____
Other ____

WELL VOLUMES PER UNIT

Well Casing I.D. (inches)	Gal/Ft.
2.0	0.1632
4.0	0.6528
6.0	1.4690

DEPTH TO PRODUCT: Ø (ft.) PRODUCT THICKNESS: Ø (ft.) MINIMUM PURGE VOLUME
DEPTH TO WATER: 9.94 (ft.) WATER COLUMN: 14.53 (ft.) (3 OR 4 WCV): 7.11 (gal)
DEPTH OF WELL: 24.47 (ft.) WELL CASING VOL.: 2.37 (gal) ACTUAL VOLUME PURGED: 7.5 (gal)

TIME	VOLUME (gal)	pH (Units)	E.C. (Micromhos)	Temperature (f°)	Turbidity (NTU)	Other:

OVM READING: NA

PURGE METHOD

____ Displacement Pump
X Bailer (Teflon/PVC/SS)
____ Other ____
____ Submersible Pump

SAMPLE METHOD

____ Bailer (Teflon/PVC/SS)
X Bailer (Disposable)
____ Dedicated
____ Other ____

NUMBER OF CONTAINERS: 5 TYPES OF CONTAINERS: (3) VOA, (2) 1L Amber

SAMPLES COLLECTED	ID	TIME	DATE	LAB	ANALYSES
SAMPLE	010603-2	13:40	01/06/03	McCampbell	TPH-g/d/mo, 8020
DUPLICATE					
SPLIT					
FIELD BLANK					

COMMENTS: Hydac Inoperable.

SAMPLER (sign): _____ DATE: 01/06/03

Harding ESE
A MACTEC COMPANY

SAMPLE COLLECTION LOG

PROJECT NAME: Autopro **SAMPLE LOCATION** MW-3
PROJECT NO.: 51644.030 **SAMPLER:** JTH + CS
DATE: 01/06/03 **PROJECT MANAGER** Butch Reynolds

CASING DIAMETER

2"	X
4"	
Other	

SAMPLE TYPE

Ground Water	X
Surface Water	
Treat. Influent	
Treat. Effluent	
Other	

WELL VOLUMES PER UNIT

Well Casing I.D. (inches)	Gal/Ft.
2.0	0.1632
4.0	0.6528
6.0	1.4690

DEPTH TO PRODUCT: Ø (ft.) PRODUCT THICKNESS: Ø (ft.) MINIMUM PURGE VOLUME
DEPTH TO WATER: 9.41 (ft.) WATER COLUMN: 4.44 (ft.) (3 OR 4 WCV): 2.17 (gal)
DEPTH OF WELL: 13.85 (ft.) WELL CASING VOL.: 0.72 (gal) ACTUAL VOLUME PURGED: 2.5 (gal)

TIME	VOLUME (gal)	pH (Units)	E.C. (Micromhos)	Temperature (f°)	Turbidity (NTU)	Other:

OVM READING NA

PURGE METHOD

	Displacement Pump		Other
X	Bailer (Teflon/PVC/SS)		Submersible Pump

SAMPLE METHOD

	Bailer (Teflon/PVC/SS)		Dedicated
X	Bailer (Disposable)		Other

NUMBER OF CONTAINERS 5 **TYPES OF CONTAINERS:** (3) VOA, (2) 1L Amber

SAMPLES COLLECTED	ID	TIME	DATE	LAB	ANALYSES
SAMPLE	010603-3	13:15	01/06/03	McCampbell	TPH-g/d/mo, BTEX
DUPLICATE					
SPLIT					
FIELD BLANK					

COMMENTS: Hydac inoperable.

SAMPLER (sign): [signature] DATE: 01/06/03

Harding ESE
A MACTEC COMPANY

SAMPLE COLLECTION LOG

PROJECT NAME: Autopro **SAMPLE LOCATION** MW-4
PROJECT NO.: 51644.030 **SAMPLER:** JTH + CS
DATE: 01/06/03 **PROJECT MANAGER** Butch Reynolds

CASING DIAMETER

2"	X
4"	
Other	

SAMPLE TYPE

Ground Water	X
Surface Water	
Treat. Influent	
Treat. Effluent	
Other	

WELL VOLUMES PER UNIT

Well Casing I.D. (inches)	Gal/Ft.
2.0	0.1632
4.0	0.6528
6.0	1.4690

DEPTH TO PRODUCT: Ø (ft.) PRODUCT THICKNESS: Ø (ft.) MINIMUM PURGE VOLUME
DEPTH TO WATER: 9.25 (ft.) WATER COLUMN: 6.37 (ft.) (3 OR 4 WCV): 3.12 (gal)
DEPTH OF WELL: 15.62 (ft.) WELL CASING VOL.: 1.04 (gal) ACTUAL VOLUME PURGED: 3.5 (gal)

TIME	VOLUME (gal)	pH (Units)	E.C. (Micromhos)	Temperature (f°)	Turbidity (NTU)	Other:

OVM READING NA

PURGE METHOD

- ____ Displacement Pump
- X Bailer (Teflon/PVC/SS)
- ____ Other ____
- ____ Submersible Pump

SAMPLE METHOD

- ____ Bailer (Teflon/PVC/SS)
- X Bailer (Disposable)
- ____ Dedicated
- ____ Other ____

NUMBER OF CONTAINERS 5 **TYPES OF CONTAINERS:** (3) VOAs, (2) 1L Amber

SAMPLES COLLECTED	ID	TIME	DATE	LAB	ANALYSES
SAMPLE	010603-4	14:20	01/06/03	McCampbell	TPH-g/d/mo, 8020
DUPLICATE					
SPLIT					
FIELD BLANK	010603-6	15:00	01/06/03	McCambell	TPH-g / 8020

COMMENTS: Hydac inoperable.

SAMPLER (sign): [signature] DATE: 01/06/03

Harding ESE
A MACTEC COMPANY

SAMPLE COLLECTION LOG

PROJECT NAME: Autopro **SAMPLE LOCATION** MW-5
PROJECT NO.: 51644.030 **SAMPLER:** JTH + CS
DATE: 01/06/03 **PROJECT MANAGER** Butch Reynolds

CASING DIAMETER

2"	X
4"	
Other	

SAMPLE TYPE

Ground Water	X
Surface Water	
Treat. Influent	
Treat. Effluent	
Other	

WELL VOLUMES PER UNIT

Well Casing I.D. (inches)	Gal/Ft.
2.0	0.1632
4.0	0.6528
6.0	1.4690

DEPTH TO PRODUCT: _____ (ft.) PRODUCT THICKNESS: _____ (ft.) MINIMUM PURGE VOLUME
DEPTH TO WATER: _____ (ft.) WATER COLUMN: _____ (ft.) (3 OR 4 WCV): _____ (gal)
DEPTH OF WELL: _____ (ft.) WELL CASING VOL.: _____ (gal) ACTUAL VOLUME PURGED: _____ (gal)

TIME	VOLUME (gal)	pH (Units)	E.C. (Micromhos)	Temperature (f°)	Turbidity (NTU)	Other:

OVM READING _____

PURGE METHOD

_____ Displacement Pump
_____ Bailer (Teflon/PVC/SS)
_____ Other _____
_____ Submersible Pump

SAMPLE METHOD

_____ Bailer (Teflon/PVC/SS)
_____ Bailer (Disposable)
_____ Dedicated
_____ Other _____

NUMBER OF CONTAINERS ____ **TYPES OF CONTAINERS:** _____

SAMPLES COLLECTED	ID	TIME	DATE	LAB	ANALYSES
SAMPLE					
DUPLICATE					
SPLIT					
FIELD BLANK					

COMMENTS: Unable to sample well. Lid and vault missing. Soil has filled area around well to grade. Needs to be cleaned out and a new vault and lid replaced. If cleaned out now, well may be damaged by traffic.

SAMPLER (sign): _____ DATE: 01/06/03

LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

McCampbell Analytical Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Harding ESE 600 Grand Avenue, 3rd Floor Oakland, CA 94610	Client Project ID: #51644.030; Autopro	Date Sampled: 01/06/03
		Date Received: 01/07/03
	Client Contact: Jason House	Date Reported: 01/10/03
	Client P.O.:	Date Completed: 01/10/03

WorkOrder: 0301047

January 10, 2003

Dear Jason:

Enclosed are:

1). the results of **5** analyzed samples from your **#51644.030; Autopro project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Harding ESE	Client Project ID: #51644.030; Autopro	Date Sampled: 01/06/03
600 Grand Avenue, 3rd Floor		Date Received: 01/07/03
Oakland, CA 94610	Client Contact: Jason House	Date Extracted: 01/08/03-01/09/03
	Client P.O.:	Date Analyzed: 01/08/03-01/09/03

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0301047

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	010603-1	W	540,m	ND	ND	2.2	ND	ND	1	---#
002A	010603-2	W	ND	ND	ND	ND	ND	ND	1	109
003A	010603-3	W	6300,a	ND<50	ND<5.0	6.7	8.5	15	10	---#
004A	010603-4	W	2500,a	ND	0.69	2.4	1.7	1.4	1	---#
005A	010603-6	W	ND	8.7	ND	0.69	ND	1.2	1	109
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
		S	NA	NA	NA	NA	NA	NA	1	mg/Kg

*water and vapor samples are reported in µg/L, soil and sludge samples in mg/kg, wipe samples in µg/wipe, and TCLP extracts in µg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Harding ESE	Client Project ID: #51644.030; Autopro	Date Sampled: 01/06/03
600 Grand Avenue, 3rd Floor		Date Received: 01/07/03
Oakland, CA 94610	Client Contact: Jason House	Date Extracted: 01/07/03
	Client P.O.:	Date Analyzed: 01/07/03-01/08/03

Diesel (C10-23) and Oil (C18+) Range Extractable Hydrocarbons as Diesel and Motor Oil*

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0301047

Lab ID	Client ID	Matrix	TPH(d)	TPH(mo)	DF	% SS
0301047-001B	010603-1	W	1800,g,n	3300	1	108
0301047-002B	010603-2	W	230,b,g	620	1	104
0301047-003B	010603-3	W	5100,d	ND	1	106
0301047-004B	010603-4	W	2100,d	370	1	106
Reporting Limit for DF =1; ND means not detected at or above the reporting limit		W	50	250	µg/L	
		S	NA	NA	mg/Kg	

* water and vapor samples are reported in µg/L, wipe samples in ug/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all TCLP / STLC / SPLP extracts in µg/L

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent / mineral spirit.

DHS Certification No. 1644

Edward Hamilton, Lab Director

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Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

Matrix: W WorkOrder: 0301047

EPA Method: SW8015C Extraction: SW3510C BatchID: 5546 Spiked Sample ID: N/A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	N/A	7500	N/A	N/A	N/A	97.3	118	2.77	70	130
%SS:	N/A	100	N/A	N/A	N/A	101	97.3	2.66	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

McCampbell Analytical Inc.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0301047

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 5558 Spiked Sample ID: 0301042-002A

Compound	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(gas)	N/A	60	N/A	N/A	N/A	99	99.5	0.491	80	120
MTBE	N/A	10	N/A	N/A	N/A	85.8	86.4	0.683	80	120
Benzene	N/A	10	N/A	N/A	N/A	99.4	98.3	1.06	80	120
Toluene	N/A	10	N/A	N/A	N/A	101	100	1.14	80	120
Ethylbenzene	N/A	10	N/A	N/A	N/A	97.1	96.1	0.998	80	120
Xylenes	N/A	30	N/A	N/A	N/A	99.7	99.3	0.335	80	120
%SS:	N/A	100	N/A	N/A	N/A	95.9	93.9	2.12	80	120

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS – MSD) / (MS + MSD) * 2.

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

CHAIN OF CUSTODY RECORD

HESO 0301047

Harding ESE
A MACTEC COMPANY
600 Grand Avenue, Suite 300
Oakland, CA 94610
Phone: (510) 451-1001 Fax: (510) 451-3165

Project Name: Autopro
Address: 5200 Telegraph Ave.
Project #: 51644.030
Sampled By: Jason House Signature:
Lab Name: McCampbell Analytical Telephone: (510) 628-3223
Requested Turn Around Time:
10 Day___ 5 Day___ 3 Day___ 2 Day___ Other Standard

Analyses To Be Performed

Sample #	Date	Time	Location	8020 w/ MTBE	TPH-g	TPH-d	TPH-mo		Matrix	# Of Containers	Remarks (container, size, etc.)
010603-1	01/06/03	14:00	MW-1	X	X	X	X		Water	5	
010603-2	↓	13:40	MW-2	X	X	X	X		↓	↓	
010603-3		13:15	MW-3	X	X	X	X				
010603-4		14:20	MW-4	X	X	X	X			↓	
010603-6	↓	15:00	Field Blank	X	X				↓	3	

Total Number Of Containters: 23

Relinquished By: (signature)	Received By: (signature)	Date	Time
1. [signature]	1. [signature]	1/7/02	11:50
2.	2.		
3.	3.		

Special Shipment Requirements: In cooler, on ice.

Instructions To Laboratory (handling, analyses, storage, etc.) :

VOAS	O&G	METALS	OTHER
✓			

ICE/T° ___ ✓ PRESERVATION ___
GOOD CONDITION ___ APPROPRIATE CONTAINERS ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___

Report Restults To: Jason House

Sample Receipt

Chain Of Custody Seals	
Received Good Condition/Cold	
Conforms To Record	

McCampbell Analytical Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0301047

Client:
Harding ESE
600 Grand Avenue, 3rd Floor
Oakland, CA 94610

TEL: (510) 451-1001
FAX: (510) 451-3165
ProjectNo: #51644.030; Autopro
PO:

Date Received: **1/7/03**
Date Printed: **1/7/03**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests						
					SW8015C	8021B/8015					
0301047-001	010603-1	Water	1/6/03 2:00:00 PM	☐	B	A					
0301047-002	010603-2	Water	1/6/03 1:40:00 PM	☐	B	A					
0301047-003	010603-3	Water	1/6/03 1:15:00 PM	☐	B	A					
0301047-004	010603-4	Water	1/6/03 2:20:00 PM	☐	B	A					
0301047-005	010603-6	Water	1/6/03 3:00:00 PM	☐		A					

Prepared by: Elisa Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.