

February 10, 2005

4095041620 03

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

Quarterly Monitoring – Fourth Quarter Autopro Site 5200 Telegraph Avenue Oakland, California

Dear Mr. Kojnok:

MACTEC Engineering and Consulting, Inc. (MACTEC) is pleased to present the results of the fourth quarter sampling event for the Autopro Site located at 5200 Telegraph Avenue in Oakland, California (Site; Plate 1). This investigation was conducted in response the December 24, 2002, letter from the Alameda County Health Care Services, Environmental Health Services Department (County). In this letter, the County requested that Autopro conduct quarterly monitoring for a period of one year, evaluate the effect the tops of the wells being screened below the depth to groundwater has on detected petroleum hydrocarbon concentrations in wells, and perform a one-time sampling of the backfill in nearby sewer and storm drain lines.

The results of the backfill analysis were included in MACTEC's report dated November 30, 2004, which included the results for the first two sampling events of the one year monitoring period. This monitoring report represents the third monitoring event of the one year monitoring period.

QUARTERLY MONITORING

The third quarter monitoring event was performed on December 29, 2004. MACTEC performed purging and sampling of accessible onsite and offsite wells (including Chevron Wells MW-2 and MW-3). Well MW-5 continues to be damaged (the Christy box was filled with dirt and asphalt) and was not accessible. Prior to sampling, depth to water in the monitoring wells was measured using a calibrated electronic water level meter. No evidence of free product was noted in any of the wells.

All wells were purged of a minimum of three well volumes using a PVC bailer. Conductivity, pH, and temperature parameters were collected at regular intervals and recorded on the attached well sampling forms in Appendix A. Samples were then collected from the monitoring wells using a disposable bailer and samples transferred to laboratory-supplied glassware.

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Prior to use, all well purging equipment was steam cleaned and rinsed with deionized water at the MACTEC equipment yard. Well purge water was temporarily stored onsite in 55-gallon drums pending receipt of analytical results.

Laboratory Analysis

Groundwater samples were analyzed for the following analyses in accordance with the County December 24, 2002, letter as follows:

- Total petroleum hydrocarbons (TPH) as gasoline (g), diesel (d), and motor oil (mo) using EPA Test
 Method 8015m; and
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) and methyl tertiary butyl ether (MTBE) using EPA Test Method 8021B. Analysis of the remaining fuel oxygenates was not performed. As detailed in the County's December 2002 letter, fuel oxygenates were dropped from the sampling program because they were not detected in the initial rounds of sampling.

Groundwater Flow

On the basis of groundwater levels collected from the monitoring wells prior to groundwater sampling on December 29, 2004, the groundwater flow direction at the Site was to the northeast with a hydraulic gradient of 0.002. Table 1 presents groundwater elevations from December 29 (including historical elevations), and Plates 3 through 5 present the current groundwater elevation contour map and the rose diagrams depicting groundwater hydraulic gradients (Autopro wells only).

Laboratory Results

The laboratory analytical reports for groundwater samples submitted for chemical analysis are presented as Appendix A. Table 2 summarizes the analytical results for the groundwater samples collected during these two sampling events and previous sampling events, and Plates 6 through 8 present plume maps. The results were as follows:

- TPHg was detected at concentrations of 710, 5,100, and 2,300 micrograms per liter (μg/L) in samples collected from Autopro wells MW-1, MW-3, and MW-4 respectively.
- TPHd was detected at concentrations between 53 and 3,300 µg/L in samples collected from all sampled wells except Chevron Well MW-2.
- TPHmo was detected at concentrations of 450 and 1,400 μg/L in samples collected from Autopro wells MW-1 and MW-4 respectively.

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- Benzene was detected at a concentration of 16 μg/L in the sample collected from Autopro well MW-3.
- Toluene was detected at a concentration of 8.9 μg/L in the sample collected from Autopro well MW-3.
- Ethylbenzene was detected at concentrations of 2.2, 14, and 3.0 μg/L in samples collected from Autopro wells MW-1, MW-3, and MW-4 respectively.
- Total xylenes were detected at concentrations of 4.2, 34, and 8.4 μg/L in samples collected from Autopro wells MW-1, MW-3, and MW-4 respectively.
- MTBE was detected at concentrations of 34 and 4.7 μg/L in samples collected from Autopro wells MW-3 and MW-4 respectively. Secondary confirmation for MTBE using EPA test method 8260B was performed on the sample collected Well MW-3. MTBE was not detected, and based on this confirmation, the laboratory determined that the MTBE detected by 8021B analysis was likely an artifact of the analysis. Due to laboratory error, secondary confirmation for MTBE using EPA test method 8260B was not performed on the sample collected from Well MW-4.

DISCUSSION

Quarterly monitoring results indicate low to moderate concentrations of petroleum hydrocarbon constituents within historical ranges continue to be present in onsite monitoring wells. Concentrations of TPHg and TPHd continue to be above the general water quality objective of 0.1 mg/L / 1,000 µg/L established by the Regional Water Quality Control Board (RWQCB). The detected benzene concentration in Well MW-3 exceeded the maximum contaminant level (MCL) of 1.0 µg/L. Remaining BTEX concentrations did not exceed MCLs during this quarterly monitoring event.

Groundwater flow was to the northeast which is inconsistent with the historical south-southwest trends. The reason for this change is unknown but can likely be attributed to the heavy precipitation that occurred during this timeframe. Review of the water level information indicates that water levels in wells MW-2 through MW-4 rose approximately 3.5 to 4.0 feet while the water level in Well MW-1 only rose approximately 2.0 feet. The extreme differences between water level increases in MW-2 through MW-4 and MW-1 caused the water direction to reverse 180 degrees.

With the exception of MW-1 where BTEX results were detected at their highest concentrations since the early 1990's, chemical concentrations are within historical ranges.

PLANNED ACTIVITIES

Pursuant to the letter from the County to conduct quarterly groundwater monitoring, our next sampling event is scheduled for mid to late March. Based on recent communications with the City of Oakland

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(City), an encroachment permit and lane closure permits will be required by the City to assess and repair Well MW-5. We have completed costing, and are in the process of requesting additional funding that will be necessary from the State Water Resources Control Board (SWRCB) cleanup fund to perform this task and anticipate that Well MW-5 will be repaired in early March.

We trust this report provides the information required at this time. Please feel free to contact Gary Lieberman at (707) 793-3858 if you have questions.

Yours very truly,

MACTEC Engineering & Consulting, Inc.

Gary A. Leberman Senior Geologist

Michael G. Burns, CHG Principal Geologist

GAL/mlb:MB61087_12-04Q-ESC

cc:

Table 1 - Historical Groundwater Elevation Data Attachments:

Table 2 - Historical Groundwater Analytical Data

Plate 1 - Vicinity Map

Plate 2 – Site Map and Utility Trench Backfill Boring Location

Plate 3 - Groundwater Contour Map - December 29, 2004

Plate 4 – Rose Diagram – Groundwater Direction Frequency

Plate 5 - Rose Diagram - Groundwater Direction Magnitude

Plate 6 - Total Petroleum Hydrocarbons as Gasoline - December 29, 2004

Plate 7 - Total Petroleum Hydrocarbons as Diesel - December 29, 2004

Plate **8** − Benzene − December 29,, 2004

Appendix A – Well Sampling Forms

Appendix B - Laboratory Analytical Report

Mr. Don Huang, Alameda County Health Care Services

TABLE 1
HISTORICAL GROUNDWATER ELEVATION DATA

Autopro Facility 5200 Telegraph Avenue Oakland, California

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12/29/04 8.71 105.91 MW-3 04/26/94 113.90 10.97 102.93 07/20/94 11.21 102.69 10.269 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		06/23/04		11.90	102.72
MW-3 04/26/94 07/20/94 113.90 10.97 102.93 102.93 11.21 102.69 11.21 102.69 11.92 101.98 11.92 101.98 11.92 101.98 11.92 101.98 105.00 105.00 106/26/96 10.88 103.02 10.89 103.02 10.9/24/96 12.53 101.37 12/11/96 8.17 105.73 12/12/97 8.81 105.09 105.00 105.00 106/26/98 106/16/98 1					1
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			110.00		
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	MW-3		113.90		
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	1			!	1
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					
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					
12/11/96 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					
12/12/97 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	4 ,				
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					l .
06/16/98 8.90 105.00 08/25/98 12.35 101.55 09/30/98 12.11 101.79					
08/25/98 12.35 101.55 09/30/98 12.11 101.79					
09/30/98 12.11 101.79					
4 122 100 00 1 100 01 100 01				n :	
03/22/02 9.93 103.97					

TABLE 1 HISTORICAL GROUNDWATER ELEVATION DATA

Autopro Facility 5200 Telegraph Avenue Oakland, California

AN OLD SAL	Dale 1	Datum:	(Depth to Water ::	Ground Welley Erstellor
MW-3 cont	06/28/02		10.76	103.14
<u>'</u>	09/06/02		11.60	102.30
	01/06/03		9.41	104.49
	06/23/04		11.62	102.28
	09/22/04		11.93	101.97
	12/29/04		8.00	105.90
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
	06/23/04		11.77	102.48
	09/22/04		12.15	102.10
	12/29/04		8.28	105.97
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
	01/06/03		NA	NA
	06/23/04		NA	NA
	09/22/04		NA	NA NA
	12/29/04		NA	NA NA
		IN CHEVRON WE	LLS PAGE PAGE SAG	
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
	06/23/04		12.11	99.92
	09/22/04		12.64	99.39
	12/29/04		7.26	104.77
MW-3	03/22/02	113.63	14.17	99.46
	06/23/04		15.40	98.23
	12/29/04		13.37	100.26
MW-5	03/22/02	116.70	14.71	101.99

Note:

ft AMSL = feet above mean sea level.

NA - Not Available - Well head covered with asphalt

Checked /k Approved GAL

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL DATA

Autopro Facility 5200 Telegraph Avenue Oakland, California

AW Jake			STPHmo.		PBenzene:		Ethylbenizene mur/b)	Total Xylenes	→MTBE。 产(LOL) **	VOCS	cadmium.	g en	detaiss(mg/	Jagos - ničkěl -	A-200
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
l i	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
l i	06/26/96	56	<250	180	<0.50	<0.50	<0.50	<0.50	<5.0					-	
1 !	09/24/96	150	<250	170	3.7	0.92	0.54	0.63	6.5						-
l i	12/11/96	300	<250	520	<0.50	8.0	0.59	0.81	<5.0						
1	12/12/97	280	<250	360	<0.50	0.8	0.82	0.9	<5.0			-			
1	03/23/98	96	<250	<50	<0.50	<0.50	<0.50	<0.50	<5.0				ļ i		-
1	08/25/98	110	<250	740	<0.50	<0.50	<0.50	2.40	<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	_					
1	06/28/02	590	260	560	0.54	1.60	<0.5	1.30	<5.0	_					
1	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						
	06/23/04	330	<250	530	<0.50	<0.50	<0.50	<0.50	<0.50	ND*				-	-
i	09/22/04	410	<250	260	<1.0	<1.0	<1.0	<1.0	<1.0	ND*				M-10	- 1
	12/29/04	800	450	710	<0.5	<0.5	2.20	4.20	<2.5			**			
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	•	i	<0.010	0.014	<0.020	0.023	0.045
1	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		-				ļ <u> </u>
	12/11/96	<50	<250	<50	<0.50	<0.50	<0.50	<0.50	<5.0				_	•-	1 1
	12/12/97	58	<250	<50	<0.50	<0.50	<0.50	<0.50	<5.0	-	-	-			l -
(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	<u> </u>					-	
]] [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	-	_	i -			-
! .	01/06/03	230	620	<50	<0.5	<0.5	<0.5	<0.5	<5.0			-			
	06/23/04	56	<280	<50	<0.5	<0.5	<0.5	<0.5	<0.50	ND*]
	09/22/04	95	<260	<50	<0.5	<0.5	<0.5	<0.5	<0.50	ND*					
	12/29/04	53	<260	<50	<0.5	<0.5	<0.5	<0.5	<2.5		=•		-		**

TABLE 2
HISTORICAL GROUNDWATER ANALYTICAL DATA

Autopro Facility 5200 Telegraph Avenue Oakland, California

Welfi Da	DEIC SEMPLE	Alekile:	ille land	741666	E-Benzene	Toldene.	Ethylberizera	Controllar	EMTEE	Cles	144	1,98%	vierejskimo,		
3-15			(0.0(LC);)			100(00/6)	324(0.9/E)			(A) (1.0/45)	t cacmium	entolanion	rical s	a higher	ere 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	-	l	<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				Í		
	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] <u></u> [
	12/12/97	3,300	<250	7,400	32	37	46	90	<160				-	ļ <u></u>	
	03/23/98	1,900	<250	2,500	<0.50	3.2	3.5	7.7	<20						l <u></u>
(Dup)	03/23/98	1,600	<250	2,400	<0.50	4.0	3.4	4.4	<18		l	l <u></u>			_
	08/25/98				0.8	1.1	0.77	2.3	<10				l		1 _ [
	09/30/98	2,800	<250	4,000	6.8	7.3	6.9	19						l	_
	12/15/98	2,100	<250	3,300	<0.5	8.3	6.2	15		i	l]	
	03/22/02	7,700	270	8,300	11	10	13	24	<25		l				
	06/28/02	6,900	<250	9,300	53	<5.0	11	23	<50	!		l			<u></u>
	09/06/02	5,800	<250	9,900	61	10	20	46	<25	l . <u>.</u>			l <u> </u>		
	01/06/03	5,100	<250	6,300	<5.0	7.0	8.5	15	<50	l . <u>.</u>	l	-			l
	06/23/04	600	<280	33,000	<5.0	<5.0	<5.0	5.6	<5.0	ND*					
	09/22/04	2,500	<260	13,000	<10	<10	<10	<10	<10	ND*	l			**	
	12/29/04	2,400	<250	5,100	16	8.9	14	34	<0.5					==	_
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
1	07/20/94	1,500		5,600	35	11	12	17		-0.0	<0.010	0.023	<0.020	0.048	0.060
	10/21/94	870		4,300	26	19	12	20			<0.010	0.023	<0.020	<0.048	0.092
	01/18/95	1,300	-	5,700	19	15	13	16			<0.010	0.020	<0.020	0.021	0.032
	06/26/96	2,500	<250	4,700	<0.25	4.8	11	19	30		10.010	0.520	*0.020	0.021	0.030
	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						
1	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	<30			_	-		
Ī	09/30/98	1,700	<250	3,300	2.1	7.0	5.9	<0.5					_		- 1
	12/15/98	1,800	<250	3,300	<0.5	3.9	4.9	12						-	- 1
	03/22/02	2,200	290	3,500	ND <1.0	3.2	2.4	4.6	<10			-			-
i	06/28/02	2,700	940	3,900	2.6	7.3	4.5	7.2	<10	==					_
j	09/06/02	1,800	<250	2,500	2,7	4.2	3.2	5.7	<10						_
	01/06/03	2,100	370	2,500	0.69	2.4	1.7	1.4	<5.0						
	06/23/04	1,100	<250	1,700	<0.5	<0.5	0.67	1.2	<0.5	ND*				I	
1	09/22/04	1,600	<260	1,800	<5.0	<5.0	<5.0	<5.0	<5.0	ND*					
	12/29/04	3,300	1,400	2,300	<0.5	<0.5	3.0	8.4	4.7	-	-	_		_	_

TABLE 2 HISTORICAL GROUNDWATER ANALYTICAL DATA

Autopro Facility 5200 Telegraph Avenue Oakland, California

MW-5	Well MD.	Dálic Samoico	STOTICHOLS	are Himoa	MATERIO E	Bebzere	- Coluene	Ethylbenzene	Total Xylenes	MTBE	VOCs∵	e de la compa		detals (mg/	5)*******	Max Karri
08/25/98	7 (-1.78)		greet to				(11g/b)_1	in modern	# 1(19/4)		: (ug/L) =	aegamitin:	rcinkelmium	lead iv	-windkels	zinc
09/30/98 3,600 <250 6,300 13 10 14 4,4	MW-5	07/18/98	3,800	ND	5,900	7.40	9.50	17.00	29.00	<60	••	-	-	-	-	*-
12/15/98 2,800 <250 5,900 9.3 11 13 23	1	08/25/98	2,800	<250	5,800	6.1	7.9	16	33	<70				_		
03/22/02 3,600 720 5,100 7.6 5 8.3 15 <10		09/30/98	3,600	<250	6,300	13	10	14	4.4	i -			-	-	!	
06/28/02		12/15/98	2,800	<250	5,900	9.3	11			!			-			
TRIP		03/22/02	3,600	720	5,100	7.6	5			1			-	-		
TRIP 06/26/96 <	i	06/28/02	4,400	310	9,000					1			-	-	-	
09/24/96		09/06/02	4,500	<250	7,600	43	<5.0				••				_	
12/11/96 <50 <0.50 <0.50 <0.50 <0.50 <0.50 <0.50	TRIP	06/26/96	_	-							-				-	
12/12/97	-	09/24/96	-	-							-			-	-	
03/23/98	1	12/11/96		-		,		ı						-	-	•-
O6/23/04	l l		-				1								! -	
FIELD 03/22/02 <50			-			<0.50	<0.50	<0.50	<0.50	<5.0	_					_
FIELD 03/22/02 <50 <0.50 <0.50 <0.50 <0.50 <0.50 <5.0	i		-	-		-							i -	-		
06/28/02								-		<u> </u>		**		-		
09/06/02	FIELD		-							1	-				ł	
O6/23/04	1															-
C-3	l		-	1								-	_			_
C-3 03/22/02 930 <250			<48	1	<50								-			Page 1 / Switch
MW-1 03/22/02 330 560 100 <0.5 24 0.8 4.9 15	A CAPPEDA		**************************************									APPENDING AND A		Market Toronto	N. J. S.	
MW-2	C-3	03/22/02	L	<250	3,600	<5.0						+-				
06/23/04 110 <260	MW-1	03/22/02	330	560	100	<0.5	24	0.8	4.9	15					-	
09/22/04 74 <250	MW-2	03/22/02		-	<50	<0.5	<0.5	<0.5	<1.5	<2.5				i		-
12/29/04 <62 <310	i	06/23/04	110	<260						***		i -			_	
MW-3 03/22/02 7,600 <10 4.2 11 <25 <5.0		09/22/04	74	<250			-			-						
06/23/04 1,200 <280		12/29/04	<62	<310_			-		**	-						
12/29/04 1,300 <260	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							**	-			-		-	-		
WITE CONTENT OF THE C		12/29/04	1,300	<260			<u> </u>					**	<u> </u>			
MC 150 300 1750 300 1750 300 1750 1750 1750 1750 1750 1750 1750 17				<250	<50	<0.50	<0.50									
	MCBS	and the state of the state		* - C4.71m		Sect Bek	165 (50 a)	*** T8000	1,750484		A Comment	7-07000	PECON 2	or a sol	30404	5.5

Notes:

TPHd = Total Petroleum Hydrocarbons as Dieset.

TPHmo = Total Petroleum Hydrocarbons as Motor Oil.

TPHg = 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, Lable 64444-A

VOCs = Volatile Organic Compounds.

ND* = Not detected forall oxygenates

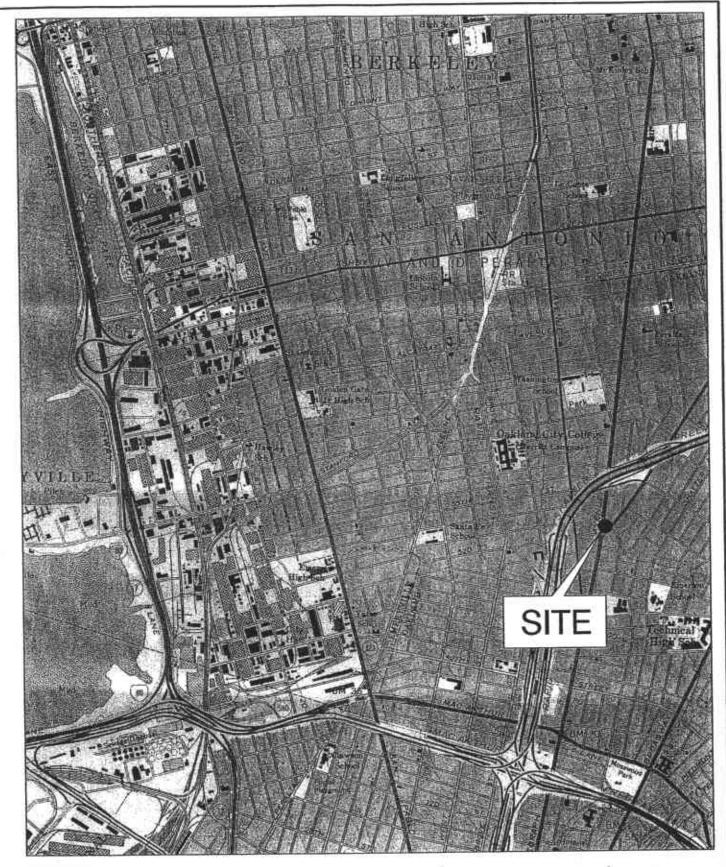
 $\mu g/L = micrograms per liter or parts per billion (ppb).$

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

< = less than listed detection limits.

- = not analyzed.

Checked Approved A



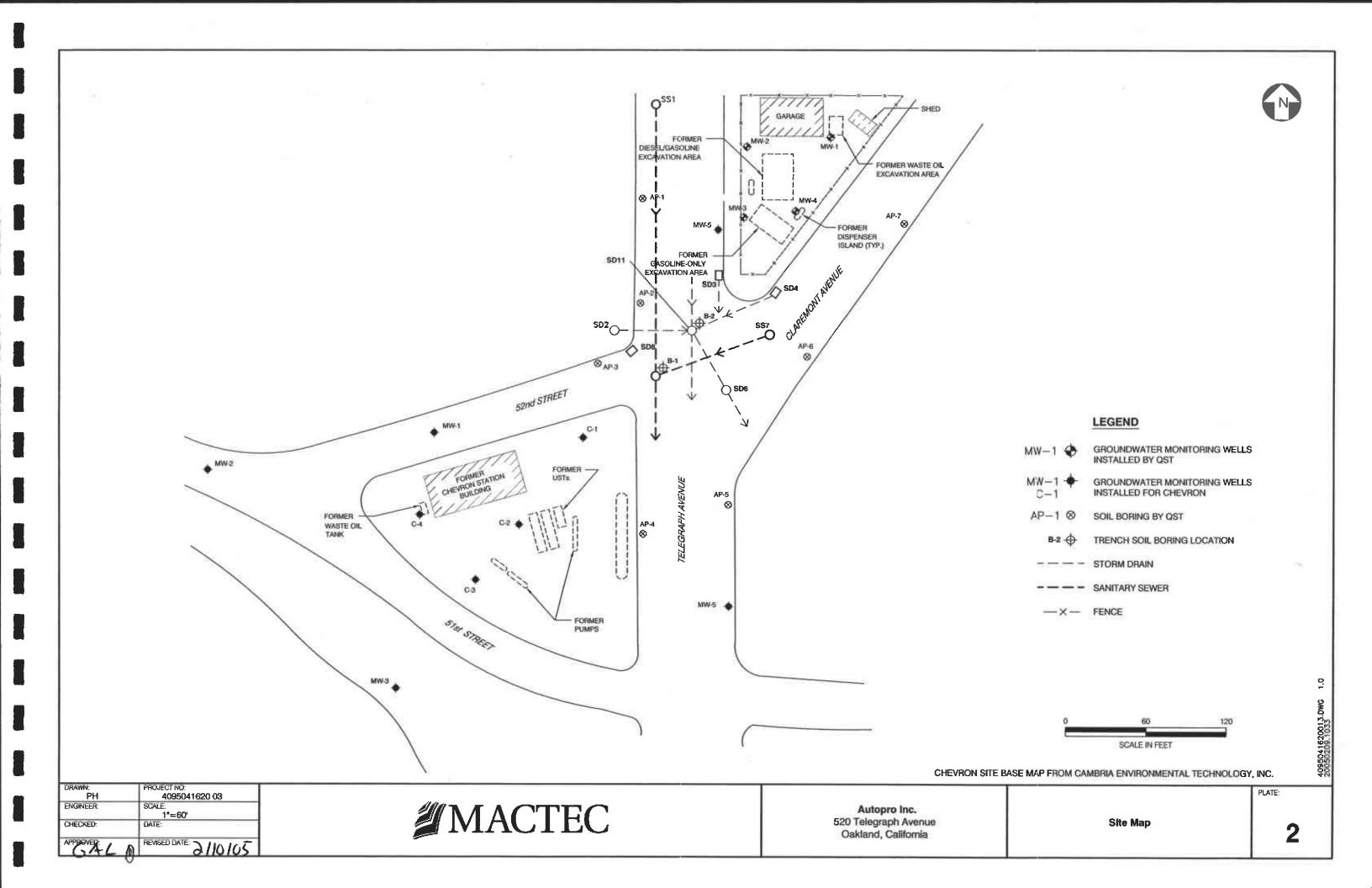
20041006.1057

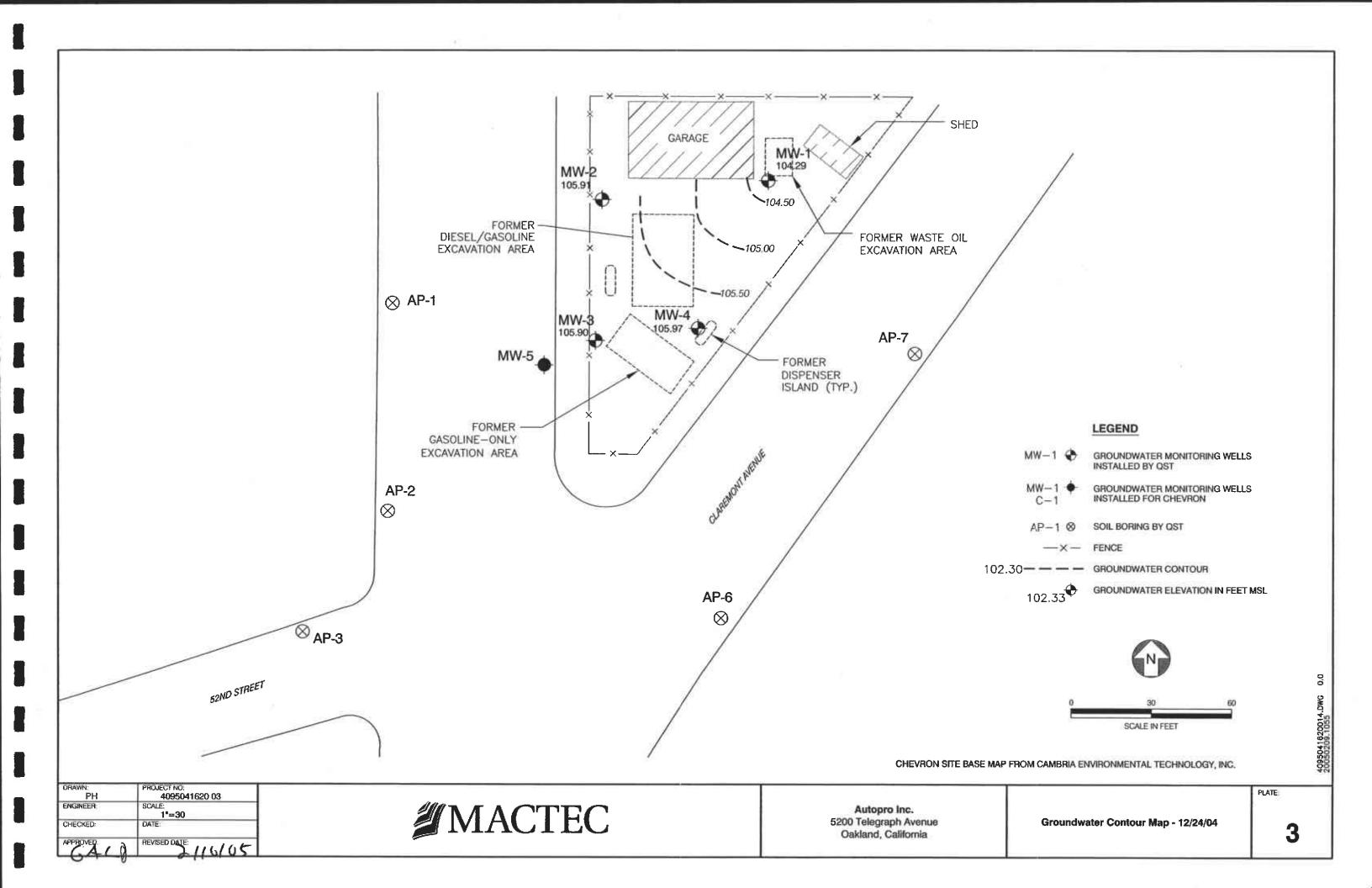
DRAWN: PH	PROJECT NO: 4095041620 01	
ENGINEER:	SCALE: 1*=X	^
CHECKED AL	APPROVED AL	D
DATE 111 29/01	DATE 11/29/01	4



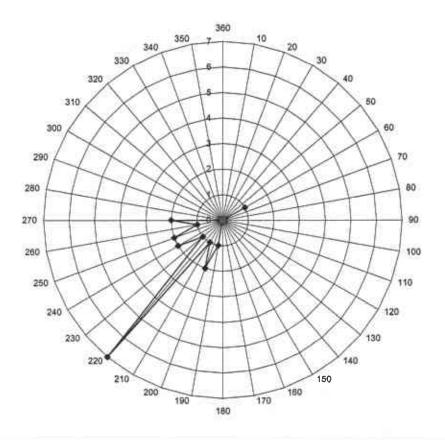
Vicinity Map Aoutpro Inc. 5200 Telegraph Avenue Oakland, California FIGURE

1





Autopro Facility Water Direction Frequency April 1994 through December 2004



Explanation
This graph shows the number of events groundwater flowed in a particular direction



Engineering and

Construction, Inc.

Rose Diagram

Groundwater Direction Frequency

Autopro Facility

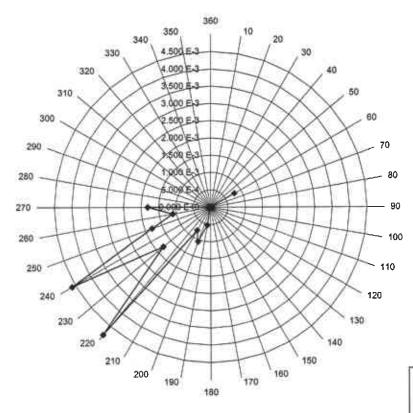
Oakland, California

DRAWN BY JOB NUMBER
MBP 4095041620 01

DATE 2/05 Approved 64LD 211/05

PLATE

Autopro Facility Water Direction Gradient April 1994 through December 2004



Explanation

This graph shows the gradient magnitude for each particular flow direction. Average magnitude shown when more than one event is in a particular flow direction.



Engineering and

MBP

Consulting, Inc.

Rose Diagram **Groundwater Direction Gradient**

DATE

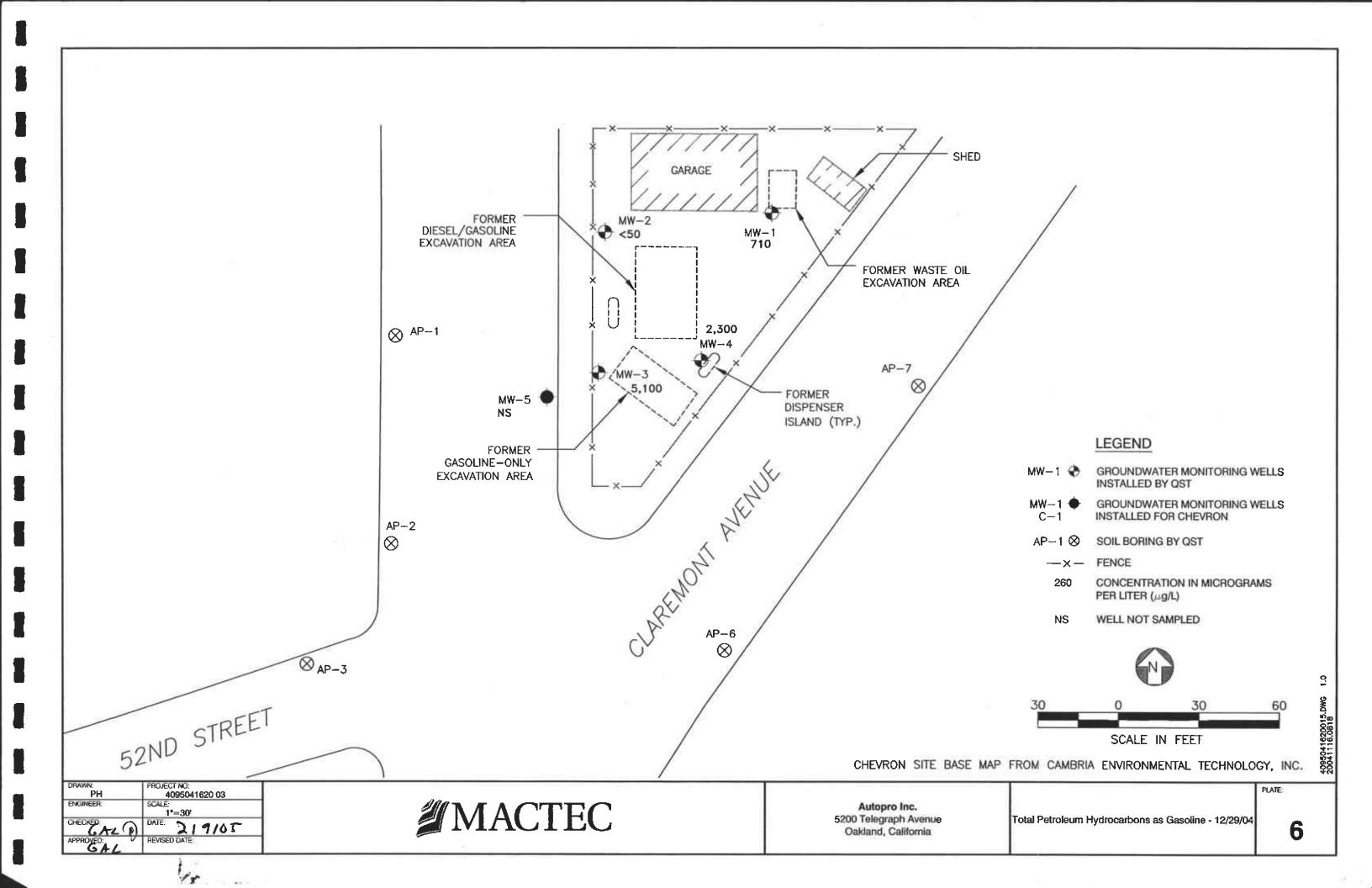
2/05

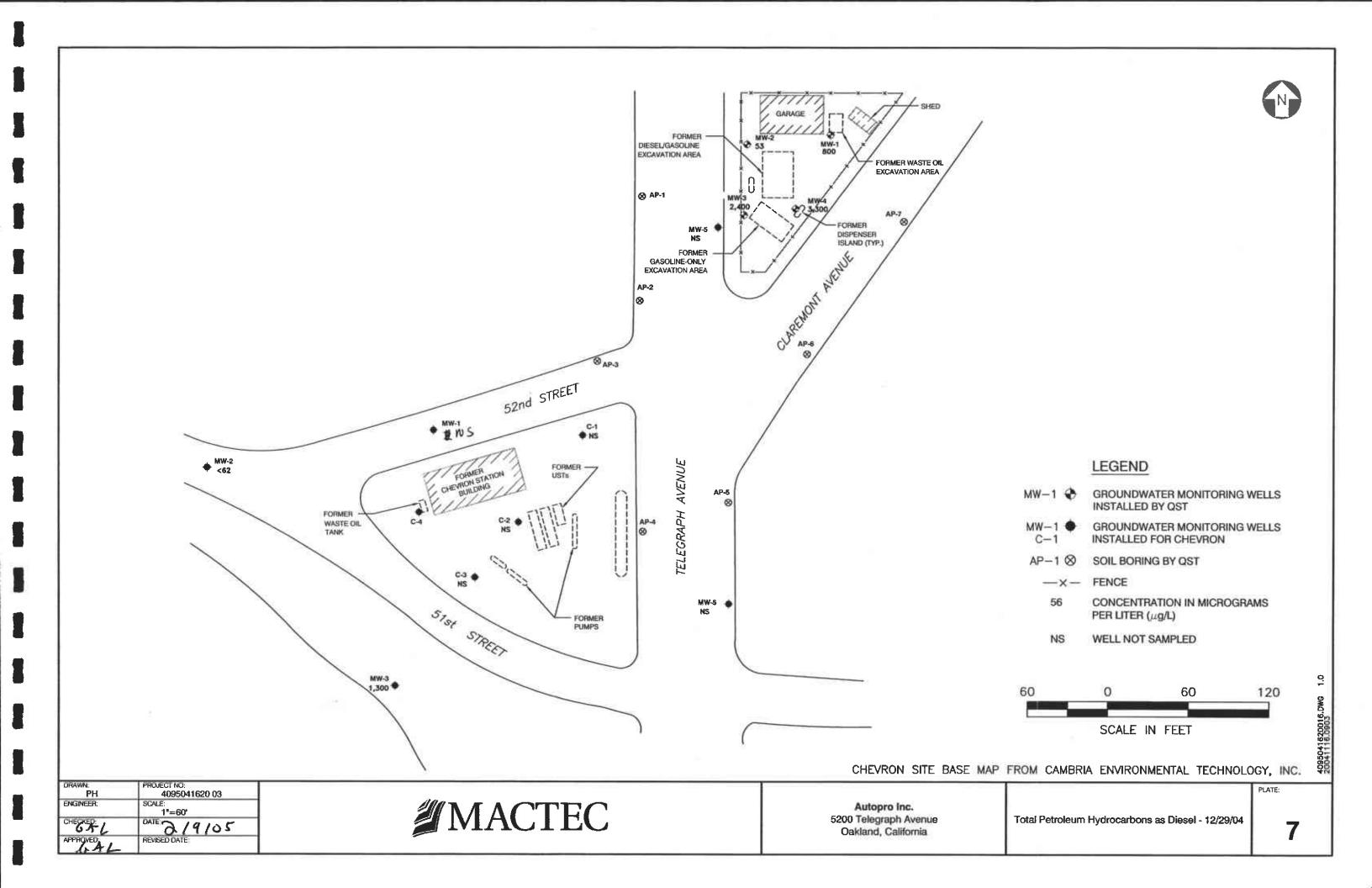
Autopro Facility Oakland, California

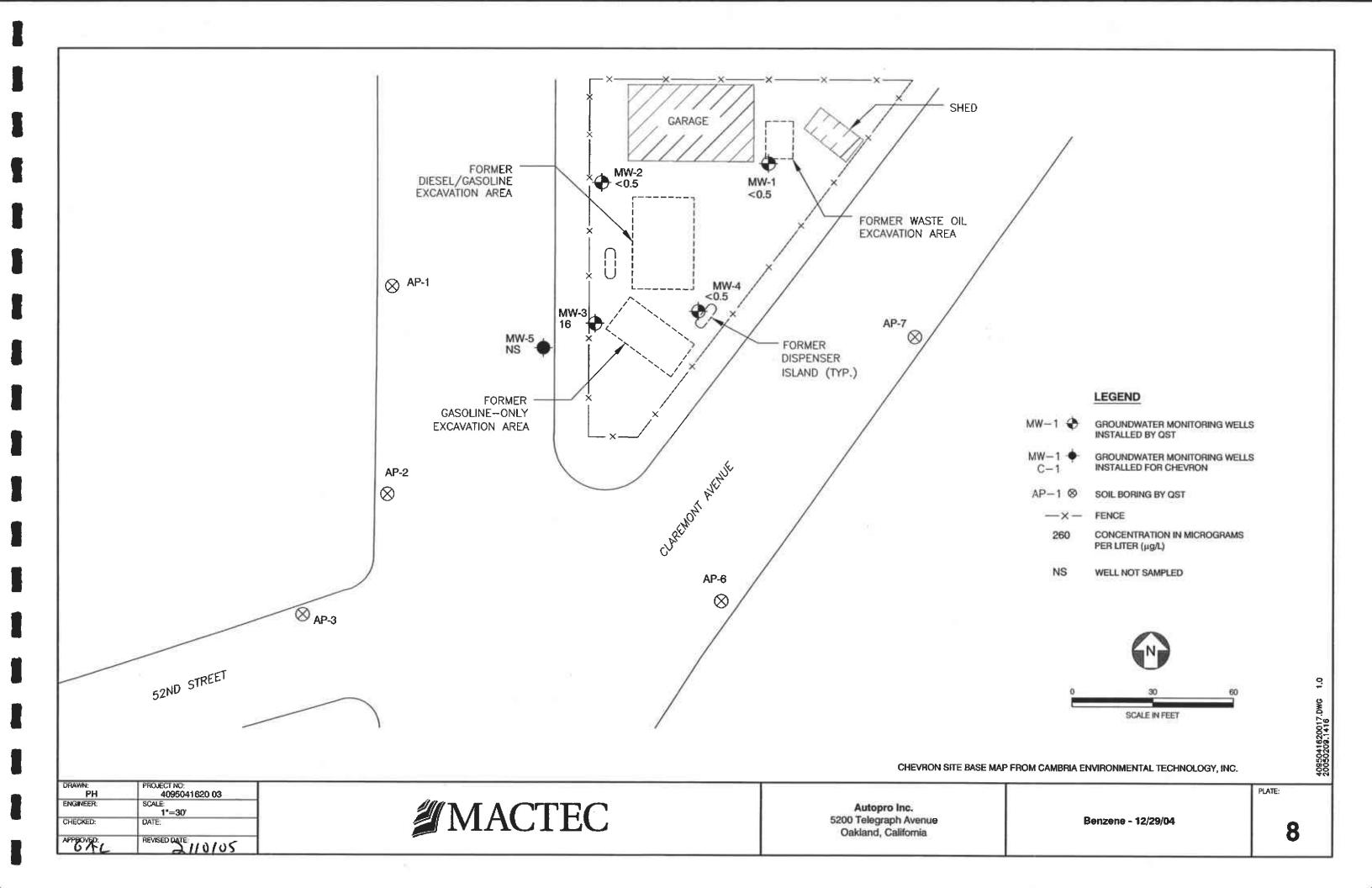
DRAWN BY JOB NUMBER 4095041620 01

PLATE

2/9/05







APPENDIX A

WELL SAMPLING FORMS



Well Number:

MW-1

					Well Type:	X Monitor	Extraction	Other
Job Name:		AutoPro	·			X PVC	St. Steel	Other
Job Number:		409504162	20. 03		Date:	12/21/	04	
Recorded By:	Day	il Swan			Sampled By:		DSB	
Date and the same of the same			nature)				(initials)	
				WELLPURGI	(Gisso, Pisso			
	A CONTRACTOR OF THE PROPERTY O	VOLÚME		46.3029.50			AETHOD 📜 📈	
Casing Diame Total Depth o			25 25		X Bailer - Type: Submersible - T	PVC		
Water Level 1	Depth (WL in	ft BTOC):	11.15		Other - Type:	уре		
No. of Well V	olumes to be	purged (# V	3					
		· · · · · · · · · · · · · · · · · · ·				PUMP INTAKE		10年的4章
	PURGENOLUME	E CALGULATIO	N .		Near Bottom	ا	Near Top	•
(25.0 - 11	2 😽 عيدا	- ² ∨ a ∨ n nar	·- 1.1	gals	Other			
		^_X3 XU.040 (Inches) #V		gais culated Purge Volume	Depth in feet (BTO Screen Interval in f	/	from	to
16 (100)	416 fr cod - 7-	monosy w-		Mateu i arge volume	Colour IIII	00.1		
	Field Paramete	≟rMeasuremen	Contraction					·
Gallons		Conductivity		Turbidity	PURGE TIME		PÜRGE RA	主动物类
or Minutes	pH	1	Temp. □ °F	 		1010	GPM:	-/
Initial	6.24	1	1B. Ge	3.79	Purge Stop:	1620	GPM:	
2 4	6.39	438	20.0	97.0	Elapsed:	ισ	_	
1	(.5)	432	199	>1000	PURGE VOLUME		P	
 	6.57	437	177	7/00	· Volume:		gallons	
					The state of the s	D! 00/-0	: a - m 0-1-	A four
					Observations Duri	ng P urging (vveii	: Солашоп, сою	r, Odor):
			<u> </u>	-		<u> </u>		· · · · · · · · · · · · · · · · · · ·
					Discharge Water D	Disposal:	Sanitary Sev	wer
Meter S/N	DB03		DB03	9092	Storm Sewer	,	Other	
				WELL SAMPL	ING		4.45.27	
To-ller Tono					Sample Time:			
Bailer - Type:		Disposable	1 Amal			I lah	Cox	
Ø 453 Mid-Ot	MC103	Volume/Cont.	TPH gas, BTE	lysis Requested EX. MTBE	Preservative HCL	es Lab_ Sequoia		nments
	<u> </u>	2-1 Lt AmbG	1	l d, M.O.	none			
			Silica	gel clean-up				
			 	· · · · · · · · · · · · · · · · · · ·				
 		!	 				-	
			<u> </u>					
		<u> </u>	<u> </u>					
	TO BE OF THE PERSON NAMED IN COLUMN TWO IN COLUMN TO THE PERSON NAMED IN COLUMN TO THE PERSON NA							
	Variation Committee	STATE AND VALUE OF THE PARTY OF THE	QU/		SAMPLES (8)		Other San	nnles
Original Sample	Puplicate Sample No. Du	es upl. Sample No.		Blank ype	Samples Sample No.	Туре		ampte No.
		apri wannipin] [+				,
	1		∤ ⊢					
			1 H		1	1		

MACTEC Engineering and Consulting

Reviewed by:_____ Date:



Well Number:

MW-2

					Well Type:	X Monitor	Extraction	Other
Job Name:		AutoPro				X PVC	St. Steel	Other
Job Number:	<u> </u>	40950416	20. 03		Date:	12/29/0	4	
Recorded By	· Da	wid 3 1	nature)		Sampled By:	D:	SB (initials)	
			4.7	«WEUERREI	NG SEE			V.
	PURGE	VOLUMEA	a profesional			PURGE ME	тнор≨⊹ г	
	neter (D in incl		2		X Bailer - Type:	PVC		
Total Depth	of Casing (TD Depth (WL in	in ft BTOC):	25		Submersible - Ty Other - Type:	pe:		
No. of Well	Volumes to be	purged (# V	3		Culer - Type.			
4						PUMP INTAKE S	ETTING	
	PÜRGE VOLUM	E CALCULATIC	W -		Near Bottom		Near Top	
2- (0 -> .	***	7 4		Other			
	3.71_)×			gals	Depth in feet (BTOC			
TD (feet)	WL (Feet) D	(Inches) #V	Cafe	culated Purge Volume	Screen Interval in fe	et (BTOC):	from	to
	Tield Paramet	er Weasuremen	10					
Gallons		Conductivity	_	Turbidity	PURGÉTIME		PURGERAT	E
or Minutes	pH	(μS)	Temp. ∐ °F	 	Purge Start:	15	GPM:	_
Initial	6.04	331 25	19.4	33 .4	,	1150	GPM:	<u> </u>
7.5	4.20	343	19.8	>1000	Elapsed:	<u> </u>		
5	6.30	362	19.7	>1000	PURGEVOLÚME	8		
<u> 8</u> _	6.34	37-1	12.8	2000	Volume: ——		gallons	
1	1							
			·		Ohana sakinaa Dusia	Director Objetic	andition Cala	. 04. 4.
					Observations During		_	_
					Observations During	brown	<u>1 0 do</u>	r, Odor): v (cas
					_	No sheer	<u>1 0 do</u>	v legs
Meter S/N	DB03		DB03	9092	cloudy	No sheer	1 0 do	v legs
Meter S/N	DB03		DB03	9092	Discharge Water Di	No sheer	1 6 do Sanitary Sew	v legs
Meter S/N Bailer - Type		Disposable	DB03	1	Discharge Water Di	brown No Shew sposal:	1 6 do Sanitary Sew	v legs
Bailer - Type	e:ple No.	Volume/Cont.	Analy	WELL SAMPL	Discharge Water Di Storm Sewer ING Sample Time: Preservatives	brown Mo Shery sposal:	Sanitary Sew Other	v legs
Bailer - Type	e:ple No.	Volume/Cont 3 VOAs	Analy TPH gas,BTE	WELL SAMPL	Discharge Water Di Storm Sewer Sample Time: Preservatives HCL	Mo Shur sposal:	Sanitary Sew Other	ver
Bailer - Type	e:ple No.	Volume/Cont.	Analy TPH gas,BTE TPH d, M.O.	WELL SAMPL	Discharge Water Di Storm Sewer ING Sample Time: Preservatives	brown Ab Shery sposal:	Sanitary Sew Other	ver
Bailer - Type	e:ple No.	Volume/Cont 3 VOAs	Analy TPH gas,BTE TPH d, M.O.	WELL SAMPL ysis Requested XMTBE	Discharge Water Di Storm Sewer Sample Time: Preservatives HCL	Mo Shur sposal:	Sanitary Sew Other	ver
Bailer - Type	e:ple No.	Volume/Cont 3 VOAs	Analy TPH gas,BTE TPH d, M.O.	WELL SAMPL ysis Requested XMTBE	Discharge Water Di Storm Sewer Sample Time: Preservatives HCL	Mo Shur sposal:	Sanitary Sew Other	ver
Bailer - Type	e:ple No.	Volume/Cont 3 VOAs	Analy TPH gas,BTE TPH d, M.O.	WELL SAMPL ysis Requested XMTBE	Discharge Water Di Storm Sewer Sample Time: Preservatives HCL	Mo Shur sposal:	Sanitary Sew Other	ver
Bailer - Type	e:ple No.	Volume/Cont 3 VOAs	Analy TPH gas,BTE TPH d, M.O.	WELL SAMPL ysis Requested XMTBE	Discharge Water Di Storm Sewer Sample Time: Preservatives HCL	Mo Shur sposal:	Sanitary Sew Other	ver
Bailer - Type	e:ple No.	Volume/Cont 3 VOAs	Analy TPH gas,BTE TPH d, M.O.	WELL SAMPL ysis Requested XMTBE	Discharge Water Di Storm Sewer Sample Time: Preservatives HCL	Mo Shur sposal:	Sanitary Sew Other	ver
Bailer - Type	e:ple No.	Volume/Cont 3 VOAs	Analy TPH gas,BTE TPH d, M.O.	WELL SAMPL ysis Requested XMTBE	Discharge Water Di Storm Sewer Sample Time: Preservatives HCL	Mo Shur sposal:	Sanitary Sew Other	ver
Bailer - Type	e:ple No.	Volume/Cont 3 VOAs	Analy TPH gas,BTE TPH d, M.O.	WELL SAMPL ysis Requested XMTBE	Discharge Water Di Storm Sewer Sample Time: Preservatives HCL	Mo Shur sposal:	Sanitary Sew Other	ver
Bailer - Type Sam 453 M S	e:ple No.	Volume/Cont. 3 VOAs 2-1 Lt AmbG	Analy TPH gas,BTE TPH d, M.O. Silica g	WELL SAMPL ysis Requested X,MTBE el clean-up	Discharge Water Di Storm Sewer NG Sample Time: Preservatives HCL none	Mo Shur sposal:	Sanitary Sew Other Com	ver
Bailer - Typo Sam 0 453 M (A) Z	e:ple No. o 4	Volume/Cont. 3 VOAs 2-1 Lt AmbG	Analy TPH gas,BTE: TPH d, M.O. Sillca g	WELL SAMPL ysis Requested X,MTBE el clean-up ALLIY CONTROL: Blank	Discharge Water Di Storm Sewer NG Sample Time: Preservatives HCL none	Mo Sherry sposal: Lab Sequoia d	Sanitary Sew Other Com Com Other Sam	ver ments
Bailer - Type Sam 453 M S	e:ple No. o 4	Volume/Cont. 3 VOAs 2-1 Lt AmbG	Analy TPH gas,BTE: TPH d, M.O. Sillca g	WELL SAMPL ysis Requested X,MTBE el clean-up	Discharge Water Di Storm Sewer NG Sample Time: Preservatives HCL none	Mo Shur sposal:	Sanitary Sew Other Com Com Other Sam	ver
Bailer - Typo Sam 0 453 M (A) Z	e:ple No. o 4	Volume/Cont. 3 VOAs 2-1 Lt AmbG	Analy TPH gas,BTE: TPH d, M.O. Sillca g	WELL SAMPL ysis Requested X,MTBE el clean-up ALLIY CONTROL: Blank	Discharge Water Di Storm Sewer NG Sample Time: Preservatives HCL none	Mo Sherry sposal: Lab Sequoia d	Sanitary Sew Other Com Com Other Sam	ver ments

Reviewed by:______ Date:_____



Well Number:

MW-3

					Well Type:	X Monitor	Extraction	Other	
Job Name:		AutoPro				X PVC	St. Steel	Other	
Job Number:		40950416	20. 03		Date:	12/29	1 04		
Recorded By:	-Da	<u>rdBw</u>	nature)		Sampled By		DSB (initials)		
				WELL RURGI	NG ·		Escape 5	ing of the	
and sometime	" PURGE	VOĽUME * : *				PURGE	METHOD		
Total Depth of Water Level	eter (D in inch of Casing (TD Depth (WL in /olumes to be	in ft BTOC): ft BTOC):		•	X Bailer - Type: Submersible - Other - Type:	PVC Type:			
						PUMP INTA	KE SETTING/ a		
	PURGE VOLUM	E CALCULATIO	m Perry		Near Bottom	_	Near Top		
14.0 - 6	3.00)×_2	· 3	. (6		Other			 ,	
(/ T/ (feet)				_ gals ulated Purge Volume	Depth in feet (BT) Screen Interval in		from	lo	
. Ito (leet)	WE (Figs.) D	(inches) #V	بان <i>ټ</i>	nated Lade Acutates	Screen whereau	1001 (8100).			
· Victor	Field Paramet	er Measuremen	ter sy, is						A.
Gallons	44	Conductivity		Turbidity	PURGETIME		G 295 G-000, V-000, V-000	TE / JE 4	
or Minutes	6.30H	(μS)	Temp. ☐ °F	(NTU)	Purge Start:	1122	GPM:		
Initial	6-8-7	661-45	20 I	25.5		1204	GPM: 🖊		
1.30	4.44	+3aus	21.0	>1600	Elapsed:				
500	6.53	730	71.3	> (00)	PURGE VOLUME		gallons		
5,00		729	21 . 2	7,000	Volume:	<u> </u>	gallons		
Meter S/N	DB03			9092	Observations Dur Clowely 6 dow Discharge Water Storm Sewer	Disposal:	Slight V	bules she	7 M Sur
The second of						FARES STATES			
Bailer - Type):	_Disposable		WELL SAMPL	Sample Time:	(1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (40		
Samp	ple No.	Volume/Cont.	Analy	sis Requested	Preservativ	, -		mments	
453 M (C) 3 O S	•	3 VOAs	TPH gas, BTE		HCL	Sequ	oia		
	<u>.</u>	2-1Lt A.G.		TPH m.o. el clean-up	попе	4		·	
			Omoc g	or Glocari up					
		ļ <u>-</u>							
			1						
				ALITY-CONTROL	SAMPLES		1,63		
	Duplicate Sampl] [Blank	Samples		Other Sa		
Original Sample	e No. Do	upl, Sample No.	┨ □	pe	Sample No.	Type		Sample No.	
	: :		1 -		:				
	1] [
l			J L		!				

MACTEC Engineering and Consulting Inc.

Reviewed by:______ Date:_____



	n TATT	1			Well Number	:	CHMW-	2
					Well Type:	X Monitor	Extraction	Other
Job Name:		AutoPro			•	X PVC	St. Steel	Other
Job Numbe	er:	40950416	20. 03		Date:	12/2	104	
Recorded E	By: Dem	of Breeze			Sampled By:		DSB	
			nature)				(initials)	
				WELL PURGI	NG AFF	er second	17.72.6	
	PURGE	VOLUME 72		A Today was Ass		an Teurge	METHOD ***/*	
Casing Dia	meter (D in inc	:hes):	2		X Bailer - Type:	PVC		
	h of Casing (TE		24		Submersible - 1	ype:		
	el Depth (WL ir Il Volumes to be		7.24		Other - Type:			
110. 01 1101	i volumes to be	s puigeu (# v				. PI IMP INTA	KE SETTING	
	***DHDCEVOLU	JE CALCULATIO		roleksia a egy	Near Bottom		Near Top	
	E COIXOL VOLUM				Other		A CONTRACTOR	
(Z4a_	7.26 × 2	_2 X 3 X 0.040	08 = 11.7	gals	Depth in feet (BT)	PC):	.,	
TD (feet)		(inches) #V		culated Purge Volume	Screen Interval in		from	to
	o Efelo Palame	ter Measuremen						
Gallons	-	Conductivity		Turbidity	PURGE TIME		PURGERA	TE DI PIRE I
or Minutes		(μS)	Temp. ☐ °F	 	Purge Start:	01L)	GPM:	
Initial	5.7B	305 ms	17.7	67.2	Purge Stop:	740	GPM:	
4	6.49	298	17.2	>1800	Elapsed:		· ·	
B	6.41	308	19.0	71000	PURGE VOLUME			
17	6.40	30€	18.8	১৩৬৩	Volume:	14	— gallons	
					Observations Duri			-
<u> </u>					Cloudy	brown	-odovi	ess
<u> </u>	<u> </u>				Discharge Water I	Sherry	Sanitary Ser	
Meter S/N	DB03		DB03	9092	Storm Sewer	zisposai.	Other	wei
INICIOI ONI	1 2203		0000		L			
	a program			WELL SAMPL	ING .	de e		light as,
Bailer - T	уре:	Disposable		-	Sample Time:			
Sa	ample No.	Volume/Cont.	Anal	ysis Requested	Preservativ	es Lat	Cor	nments
0 453 Ch 20	2(2-1 Lt AmbG	TPH	l d, M:O.	none	Sequ	ola	
		·		Silica gel clean-u	<u> </u>			
-				 				A:
		.						
1								
			<u> </u>	Mary March 1992				
	Duplicate Samp	31. C. S.	 		SAMPLES : :: Samples		Other San	
Original Sam		oupl. Sample No.	Ty	ре Ре	Sample No.	Туре		ample No.
			1 [1			
ļ	:				1		· · · · · · · · · · · · · · · · · · ·	¢.
	:	· · · · · · · · · · · · · · · · · · ·	 		1	┪ ├	<u> </u>	
			سا ب					

Reviewed by: ______



_					Well Number	: <u></u>	191.44-4	
					Well Type:	X Monitor	Extraction	n Other_
ob Name:		AutoPro				X PVC	St. Steel	Other
ob Number:		40950416	20. 03		Date:	12/29	/ 04	
ecorded By	$r - D_{\mathbf{a}}$	wil &	mu	-	Sampled By:		DSB	
		(Sig	nature)			···	(initials)	
				WELL PURG	ING -	· · · · · · · · · · · · · · · · · · ·		
4 25 AV	PURGI	EVOLUME /		745, 5, 5, 1818 ()	10 27 E 2 12 13 13 15 15 15 15 15 15 15 15 15 15 15 15 15	PURGE	METHOD :	
asing Dian	neter (D in inc	ches):	2		X Bailer - Type:	PVC		
		O in ft BTOC):			Submersible - T	уре:		
	Depth (WL in	nπBIOC): e purged (#V	8.28 3		Other - Type:	-		
0. 0. 1701	TOIGINGS TO D	e pargeo (ii v				DIMENTAK	E SELTING	
	WIDGEWALL	ME CALGULATIO	a. The second second					
i de samana period		ME CALOUEAN	201		Near Bottom		Near Top	
15.5	6.281x 7	2 X 3 X 0.040	08= 3.5	oats	Other Depth in feet (BTO	C):		
TD (feet)		O (inches) #V		culated Purge Volume	Screen Interval in f		from	to
							•	
	Field Parame	ter Measuremen	t ., 25., 25.89 f (25)					
Gallons		Conductivity		Turbidity	PURGE TIME		PÜRGEF	ATE .
or Minutes	pH	(µS)	Temp. ☐ °F	(NTU)	Purge Start;	1215	GPM: _	
01 111110100	1 P. 7	462MS	20.1	12.2	Purge Stop:	225	GPM: _	
Initial	6.25			1 .	Elapsed:	10		
Initial	649	487	20.4	114	Liapsed.		_	
	T	. مقدأ	20,4	97.2	PURGE VOLUME			
Initial	649	487	_	1	PURGE VOLUME Volume: Observations During	3.5	_	
Initial 1 2	649	487	20,3	97.2	PURGE VOLUME Volume:	3 Compressions of the second s	Il Condition, C	or less
Initial 1 2 3	649	487	20,3	97.2	PURGE VOLUME Volume: Observations Durin	3 Compressions of the second s	H Condition, Co	or less Gewer
Initial I	6.49	487	20,3	97.2	PURGE VOLUME Volume: Observations Durin Claudy Discharge Water D Storm Sewer	3 Compressions of the second s	H Condition, C	or less
Initial 1 2 3 1	6.49	487	20,3	97.2 43.8	PURGE VOLUME Volume: Observations Durin Claudy Discharge Water D Storm Sewer	3 Compressions of the second s	H Condition, C	or less Gewer
Initial 1 2 3 1	649 6.48 6.50	487	20,3	97.2	PURGE VOLUME Volume: Observations Durin Claudy Discharge Water D Storm Sewer	3 Compressions of the second s	H Condition, C	or less Gewer
Initial 1 2 3 Second Se	649 6,48 6,50 DB03	787 489 4C0 Disposable	20,3 26,3	97.2 43.8 9092 WELL SAMPI	PURGE VOLUME Volume: Observations Durin Claudy Discharge Water D Storm Sewer	ng Purging (We	Sanitary	or less Gewer
Initial 1 2 3 Second Se	649 6.48 6.50 DB03	787 489 4C0 Disposable Volume/Cont. 3-VOAs	ZO, 3 ZO, 3 Analy TPH gas, BTE	9092 WELL SAMPLE ysis Requested X, MTBE	PURGE VOLUME Volume: Observations Durin Claude Discharge Water D Storm Sewer ING Sample Time: Preservative HCL	ng Purging (We	Sanitary Souther	or less Sewer Drumon
Initial 1 2 3 Feter S/N Bailer - Typ	649 6,48 6,50 DB03	787 489 4C0 Disposable	Anal TPH gas, BTE	9092 WELL SAMPL ysis Requested X, MTBE TPH m.o.	PURGE VOLUME Volume: Observations Durin C La wald Discharge Water D Storm Sewer ING Sample Time: Preservative	ng Purging (We	Sanitary Souther	orless Sewer Drumon
Initial 1 2 3 Feter S/N Bailer - Typ	0.49 6.48 6.50 DB03	787 489 4C0 Disposable Volume/Cont. 3-VOAs	Anal TPH gas, BTE	9092 WELL SAMPLE ysis Requested X, MTBE	PURGE VOLUME Volume: Observations Durin Claude Discharge Water D Storm Sewer ING Sample Time: Preservative HCL	ng Purging (We	Sanitary Souther	or less Sewer Drumon
Initial 1 2 3 Setember - Type Sarr	0.49 6.48 6.50 DB03	787 489 4C0 Disposable Volume/Cont. 3-VOAs	Anal TPH gas, BTE	9092 WELL SAMPL ysis Requested X, MTBE TPH m.o.	PURGE VOLUME Volume: Observations Durin Claude Discharge Water D Storm Sewer ING Sample Time: Preservative HCL	ng Purging (We	Sanitary Souther	orless Sewer Drumon
Initial 1 2 3 Second Se	0.49 6.48 6.50 DB03	787 489 4C0 Disposable Volume/Cont. 3-VOAs	Anal TPH gas, BTE	9092 WELL SAMPL ysis Requested X, MTBE TPH m.o.	PURGE VOLUME Volume: Observations Durin Claude Discharge Water D Storm Sewer ING Sample Time: Preservative HCL	ng Purging (We	Sanitary Souther	orless Sewer Drumon
Initial 1 2 3 Setember - Type Sarr	0.49 6.48 6.50 DB03	787 489 4C0 Disposable Volume/Cont. 3-VOAs	Anal TPH gas, BTE	9092 WELL SAMPL ysis Requested X, MTBE TPH m.o.	PURGE VOLUME Volume: Observations Durin Claude Discharge Water D Storm Sewer ING Sample Time: Preservative HCL	ng Purging (We	Sanitary Souther	orless Sewer Drumon
Initial 1 2 3 Second Se	0.49 6.48 6.50 DB03	787 489 4C0 Disposable Volume/Cont. 3-VOAs	Anal TPH gas, BTE	9092 WELL SAMPL ysis Requested X, MTBE TPH m.o.	PURGE VOLUME Volume: Observations Durin Claude Discharge Water D Storm Sewer ING Sample Time: Preservative HCL	ng Purging (We	Sanitary S Other	Sewer Vumon:
Initial 1 2 3 Feter S/N Bailer - Typ	0.49 6.48 6.50 DB03	787 489 4C0 Disposable Volume/Cont. 3-VOAs	Anal TPH gas, BTE	9092 WELL SAMPL ysis Requested X, MTBE TPH m.o.	PURGE VOLUME Volume: Observations Durin Claude Discharge Water D Storm Sewer ING Sample Time: Preservative HCL	ng Purging (We	Sanitary Souther	Sewer Vumos Comments
Initial 1 2 3 Second Se	0.49 6.48 6.50 DB03	787 489 4C0 Disposable Volume/Cont. 3-VOAs	Anal TPH gas, BTE	9092 WELL SAMPL ysis Requested X, MTBE TPH m.o.	PURGE VOLUME Volume: Observations Durin Claude Discharge Water D Storm Sewer ING Sample Time: Preservative HCL	ng Purging (We	Sanitary S Other	Sewer Vumon:
Initial 1 2 3 Ser 045	649 6.48 6.50 DB03	Disposable Volume/Cont. 3-VOAs 2-1Lt AG	Anali TPH gas, BTE TPH d. Silica g	9092 WELL SAMPI ysis Requested X, MTBE TPH m.o. pel clean-up	PURGE VOLUME Volume: Observations During Claudy Discharge Water Discharge	ng Purging (We	Sanitary S Other	Sewer Drumments
Initial 1 2 3 4 Meter S/N Bailer - Typ Sam 39 045	649 6.48 6.50 DB03	Disposable Volume/Cont 3-VOAs 2-1Lt AG	Anali TPH gas, BTE TPH d. Silica g	9092 WELL SAMP ysis Requested X, MTBE TPH m.o. rel clean-up	PURGE VOLUME Volume: Observations During Clandy Discharge Water Discharge	ng Purging (We	Sanitary S Other	Sewer Drumons Comments
Initial 1 2 3 Meter S/N Baller - Typ Sam 39- 045	649 6.48 6.50 DB03 DB03 DB03 DD03	Disposable Volume/Cont 3-VOAs 2-1Lt AG	Analy TPH gas, BTE TPH d. Silica g	9092 WELL SAMP ysis Requested X, MTBE TPH m.o. rel clean-up	PURGE VOLUME Volume: Observations During Claudy Discharge Water Discharge	ng Purging (We	Sanitary S Other i	Sewer Drumms



0.

GROUNDWATER SAMPLING FORM

Well Number:

CHMW-3

					Well Type:	X Monitor	Extraction	Other
Job Name:		AutoPro		· .		X PVC	St. Steel	Other
Job Number:		409504162	20. 03		Date:	12129 10)4	
Recorded By	: <u>1</u>	Sign	nature)	·	Sampled By:	D	SB (initials)	
in the second				«WELL/PURGII	IGT STATE THE	4 740.0		
	`	VOLÚMEKU# 1	ryt-texture (6)		1. 6 2. 60 2 6 0 7 7	PURGE ME	THOD	
Total Depth Water Level	Depth (WL in	ches): D in ft BTOC): n ft BTOC): e purged (# V	2 26.5 13.37 3		X Bailer - Type: Submersible - T Other - Type:	PVC Type:		
						PUMP INTAKE S		
	3.37)× 7	ME-CALCULATIO	₁₈₌ 4.4	gals	Near Bottom Other Depth in feet (BTO Screen Interval in		Mear Top	to
		ter Measuremen	r de se grande					
Gallons or Minutes	рН	Conductivity (µS)	☑°C Temp. □°F		PURGETIME	5825	PURGE RATI	
Initial	6.19	377 ms	18.4	174	Purge Stop:	0840	GPM:	
_ Z	6.29	455	19,9	865		08 80 12.	~4	
6.5	6.43	471	20.0 19.B	>10000	PURGE VOLUME Volume:	6.5	gallons	
Meter S/N	DB03		DB03	9092	Discharge Water I	do	<u> - دلا</u>	gut hydre heem
		Party Serveda		WELLSAMPL				Lecoth C. Core
Bailer - Typ		Disposable			Sample Time:			
453 (196° C	h30Z	Volume/Cont. 2-1 Lt AmbG	TPF	ysis Requested I d, M.O. el Clean-up	Preservativ none	es Lab Sequoia	Com	ments
	ī							
							1	
	Section 1		QU COU	ALITY CONTROLS	SAMPLES ***		- 20 III see it - 20 20 20 20 20 20 20 20 20 20 20 20 20	12 15 15 15 15 15 15 15 15 15 15 15 15 15
1	Duplicate Samp	oles Dupl. Sample No.	Ţ	Blank : /pe	Samples Sample No.	Туре	Other Samp Sar	nies nple No.
Original Sampl			1 1					***************************************
Onginal Samp	:							es las

Reviewed by:______

APPENDIX B

LABORATORY ANALYTICAL REPORTS





14 January, 2005

David Nanstad MACTEC E&C - Petaluma 5341 Old Redwood Highway, Suite 300 Petaluma, CA 94954

RE: General Commercial Work Order: P412461

Enclosed are the results of analyses for samples received by the laboratory on 12/29/04 16:45. If you have any questions concerning this report, please feel free to contact me.

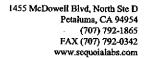
Sincerely,

Stacy P. Hoch

Stay P. Hoch

Dept Manager - Client Services

CA ELAP Certificate #2374





Project:General Commercial
Project Number:Auto Pro/4095041620.03
Project Manager:David Nanstad

P412461 Reported: 01/14/05 11:32

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
0453CH201	P412461-01	Water	12/29/04 07:45	12/29/04 16:45
0453CH302	P412461-02	Water	12/29/04 08:45	12/29/04 16:45
0453MW103	P412461-03	Water	12/29/04 10:30	12/29/04 16:45
0453MW204	P412461-04	Water	12/29/04 11:25	12/29/04 16:45
0453MW305	P412461-05	Water	12/29/04 12:10	12/29/04 16:45
0453MW406	P412461-06	Water	12/29/04 12:55	12/29/04 16:45





Project:General Commercial Project Number:Auto Pro/4095041620.03 Project Manager:David Nanstad P412461 Reported: 01/14/05 11:32

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B Sequoia Analytical - Petaluma

	36	quota An	arytica	u - reta	Mins	··· · · · · · · · · · · · · · · · · ·			
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
0453MW103 (P412461-03) Water	Sampled: 12/29/04	10:30 Recei	ived: 12/	29/04 16:4	5				
Gasoline Range Organics (C6-C10)	710	50	ug/l	1	5010123	01/10/05	01/10/05	EPA 8015B/8021 B	
Benzene	ND	0.50		11	11	11	#	n	
Toluene	ND	0.50		#	79	11	P	*	
Ethylbenzene	2.2	0.50	**	п	H	H	H	"	
Xylenes (total)	4.2	0.50	Ħ	н		n	**	11	
Methyl tert-butyl ether	ND	2.5	**	H	"	"	н	11	CF1
Surrogate: a,a,a-Trifluorotoluene		85 %	89-	-131	"	**	п	**	S05
Surrogate: 4-Bromofluorobenzene		102 %	65-	135	μ	"	**	н	
0453MW204 (P412461-04) Water	Sampled: 12/29/04	11:25 Rece	ived: 12/	29/04 16:4	5				
Gasoline Range Organics (C6-C10)	ND	50	ug/l	1	5010123	01/10/05	01/11/05	EPA 8015B/8021 B	
Benzene	ND	0.50	н	**	**	*1	"	**	
Toluene	ND	0.50	**	11		Ħ	"	**	
Ethylbenzene	ND	0.50	¥	11	91	Ħ	"	**	
Xylenes (total)	ND	0.50	**	II .	π	11	11	11	
Methyl tert-butyl ether	ND	2.5	11	, н	. #	11	11	н	
Surrogate: a,a,a-Trifluorotoluene		96 %	89	-131	"	"	"	rr	
Surrogate: 4-Bromofluorobenzene		96 %	65	-135	"	н	n	rr .	
0453MW305 (P412461-05) Water	Sampled: 12/29/04	12:10 Rece	ived: 12/	29/04 16:4	5				
Gasoline Range Organics (C6-C10)	5100	500	ug/l	10	5010139	01/11/05	01/11/05	EPA 8015B/8021 B	
Benzene	16	5.0	н		п	**	**	и	
Toluene	8.9	5.0	H	u	"	п	*	n	
Ethylbenzene	14	5.0	*	11	11	**	н	И	
Xylenes (total)	34	5.0		#1	"	**	"	н	
Methyl tert-butyl ether	37	25	.,,	н	"	**	**	н	
Surrogate: a,a,a-Trifluorotoluene		88 %	89	-131	"	#	"	и	S02
Surrogate: 4-Bromofluorobenzene		101 %	65	-135	"	"	"	tr.	





Project:General Commercial
Project Number:Auto Pro/4095041620.03
Project Manager:David Nanstad

P412461 Reported: 01/14/05 11:32

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

Sequoia Analytical - Petaluma

Analyte	Rej Result	oorting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
0453MW406 (P412461-06) Water	Sampled: 12/29/04 12:55	Rece	ived: 12/29	/04 16:4	5				
Gasoline Range Organics (C6-C10)	2300	50	ug/l	1	5010123	01/10/05	01/11/05	EPA 8015B/8021 B	
Benzene	ND	0.50	н		**	#	**	"	
Toluene	ND	0.50	4	*	**	#		II .	
Ethylbenzene	3.0	0.50	**	**	*	Ħ	n	н	
Xylenes (total)	8.4	0.50	#	H	Ħ	Ħ	**	Ħ	
Methyl tert-butyl ether	4.7	2.5	*	H	п	*		n	CF1
Surrogate: a,a,a-Trifluorotoluene		56 %	89-13	1	,,	"	**	"	S05
Surrogate: 4-Bromofluorobenzene	1	18%	65-13	5	u	Ħ	u .	n	





Project:General Commercial Project Number:Auto Pro/4095041620.03 Project Manager:David Nanstad P412461 Reported: 01/14/05 11:32

Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B

Sequoia Analytical - Petaluma Reporting Analyzed Method Analyte Result Limit Units Dilution Batch Prepared Note 0453CH201 (P412461-01RE1) Water Sampled: 12/29/04 07:45 Received: 12/29/04 16:45 Diesel Range Organics (C10-C28) ND 0.062 5010027 01/04/05 01/05/05 EPA 8015Bmg/l SVOA Motor Oil Range Organics (C24-C36) ND 0.31 59% 50-150 Surrogate: Octacosane 0453CH302 (P412461-02) Water Sampled: 12/29/04 08:45 Received: 12/29/04 16:45 Diesel Range Organics (C10-C28) 1.3 0.051 4120559 12/30/04 12/30/04 EPA 8015Bmg/l SVOA Motor Oil Range Organics (C24-C36) ND 0.26 54% 50-150 Surrogate: Octacosane 0453MW103 (P412461-03) Water Sampled: 12/29/04 10:30 Received: 12/29/04 16:45 0.056 4120559 12/30/04 12/30/04 EPA 8015B-Diesel Range Organics (C10-C28) 0.80 mg/l SVOA Motor Oil Range Organics (C24-C36 0.45 0.28 Surrogate: Octacosane 67% 50-150 0453MW204 (P412461-04RE1) Water Sampled: 12/29/04 11:25 Received: 12/29/04 16:45 01/05/05 EPA 8015B-Diesel Range Organics (C10-C28) 0.053 0.051 mg/l 5010027 01/04/05 SVOA Motor Oil Range Organics (C24-C36) ND 0.26 64% 50-150 Surrogate: Octacosane 0453MW305 (P412461-05RE1) Water Sampled: 12/29/04 12:10 Received: 12/29/04 16:45 01/04/05 0.051 mg/l 5010027 01/05/05 EPA 8015B-Diesel Range Organics (C10-C28) 2.4 SVOA Motor Oil Range Organics (C24-C36) ND 0.25 87% 50-150 Surrogate: Octacosane 0453MW406 (P412461-06) Water Sampled: 12/29/04 12:55 Received: 12/29/04 16:45 4120559 12/30/04 01/05/05 EPA 8015B-Diesel Range Organics (C10-C28) 3.3 0.050 mg/l SVOA 0.25 Motor Oil Range Organics (C24-C36 1.4

171%

50-150

Seguoja Analytical - Petaluma

Surrogate: Octacosane

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Unless otherwise stated, results are reported on a wet weight basis. This analytical report must be reproduced in its entirety.

S04



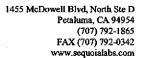


Project:General Commercial Project Number:Auto Pro/4095041620.03 Project Manager:David Nanstad P412461 Reported: 01/14/05 11:32

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Petaluma

		Reporting						<u></u>	
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
0453MW305 (P412461-05) Water	Sampled: 12/29/04 1	2:10 Rece	ived: 12/	29/04 16:	45				HT-RA
Methyl tert-butyl ether	ND	0.50	ug/l	1	5010168	01/13/05	01/13/05	EPA 8260B	
Surrogate: Dibromofluoromethane		101 %	84-	122	"	"	"	μ	





Project:General Commercial Project Number:Auto Pro/4095041620.03 Project Manager:David Nanstad

Spike

Level

Source

Result

%REC

P412461 Reported: 01/14/05 11:32

RPD

Limit

Notes

%REC

Limits

RPD

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control Sequoia Analytical - Petaluma

Reporting

Limit

Result

Blank (5010123-BLK1)				Prepared a	& Analyze	d: 01/10/	05	
Gasoline Range Organics (C6-C10)	ND	50	ug/l					
Benzene	ND	0.50	**					
Toluene	ND	0.50						
Ethylbenzene	ND	0.50	**					
Xylenes (total)	ND	0.50	97					
Methyl tert-butyl ether	ND	2.5	**					
Surrogate: a,a,a-Trifluorotoluene	288		"	300		96	89-131	
Surrogate: 4-Bromofluorobenzene	273		m	300		91	65-135	
Laboratory Control Sample (5010123	-BS1)			Prepared a	& Analyze	d: 01/10/	05	
Gasoline Range Organics (C6-C10)	2420	50	ug/i	2750		88	65-135	
Веплепе	37.9	0.50	"	40.0		95	82-139	
Toluene	182	0.50	**	200		91	75-123	
Ethylbenzene	43.7	0.50	19	47.0		93	75-114	
Xylenes (total)	224	0.50	**	228		98	78-116	
Methyl tert-butyl ether	66.4	2.5	**	62.0		107	64-168	
Surrogate: a,a,a-Trifluorotoluene	289		**	300		96	89-131	
Surrogate: 4-Bromofluorobenzene	312		"	300		104	65-135	
Matrix Spike (5010123-MS1)	Source: P41	2479-04		Prepared a	& Analyze	d: 01/10/	05	
Gasoline Range Organics (C6-C10)	2240	50	ug/l	2750	ND	81	65-135	
Benzene	33.2	0.50	**	40.0	ND	83	82-139	
Toluene	166	0.50	п	200	0.10	83	75-123	
Ethylbenzene	38.9	0.50	н	47.0	ND	83	75-114	
Xylenes (total)	201	0.50		228	0.27	88	78-116	
Methyl tert-butyl ether	62.2	2.5	н	62.0	0.83	99	64-168	
Surrogate: a,a,a-Trifluorotoluene	281		μ	300	·	94	89-131	
Surrogate: 4-Bromofluorobenzene	308		**	300		103	65-135	





Project:General Commercial Project Number:Auto Pro/4095041620.03 Project Manager:David Nanstad P412461 Reported: 01/14/05 11:32

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
			Onto	ECTC!	Acoust	70IGLC	IALIUG	NID .	Limit	Notes
Batch 5010123 - EPA 5030B, waters	/ EPA 8015B	/8021B								
Matrix Spike Dup (5010123-MSD1)	Source: P4	112479-04		Prepared	& Analyze	d: 01/10/	05			
Gasoline Range Organics (C6-C10)	2330	50	ug/l	2750	ND	85	65-135	4	20	
Benzene	34.4	0.50	н	40.0	ND	86	82-139	4	20	
Toluene	170	0.50	н	200	0.10	85	75-123	2	20	
Ethylbenzene	40.8	0.50	11	47.0	ND	87	75-114	5	20	
Xylenes (total)	208	0.50	**	228	0.27	91	78-116	3	20	
Methyl tert-butyl ether	64.6	2.5	#	62.0	0.83	103	64-168	4	20	
Surrogate: a,a,a-Trifluorotoluene	282	W-1	"	300		94	89-131			
Surrogate: 4-Bromofluorobenzene	308		"	300		103	65-135			
Batch 5010139 - EPA 5030B, waters	/ EPA 8015B	/8021B								
Blank (5010139-BLK1)				Prepared	& Analyze	:d: 01/11/	 05			
Gasoline Range Organics (C6-C10)	ND	50	ug/l						-	
Benzene	ND	0.50	"							
Toluene	ND	0.50	н							
Ethylbenzene	ND	0.50	n							
Xylenes (total)	ND	0.50	н							
Methyl tert-butyl ether	ND	2.5	n							
Surrogate: a,a,a-Trifluorotoluene	298		#	300		99	89-131			
Surrogate: 4-Bromofluorobenzene	263		"	300		88	65-135			
Laboratory Control Sample (5010139-B	S1)			Prepared .	& Analyze	d: 01/11/0	05			
Gasoline Range Organics (C6-C10)	2540	50	ug/l	2750		92	65-135			
Benzene	39.2	0.50	11	40.0		98	82-139			
Toluene	192	0,50	**	200		96	75-123			
Ethylbenzene	45.5	0.50	**	47.0		97	75-114			
Kylenes (total)	234	0.50	*	228		103	78-116			
Methyl tert-butyl ether	68.5	2.5	**	62.0		110	64-168			
Surrogate: a,a,a-Trifluorotoluene	302		ır	300		101	89-131			
Surrogate: 4-Bromofluorobenzene	302		"	300		101	65-135			





Project:General Commercial
Project Number:Auto Pro/4095041620.03
Project Manager:David Nanstad

P412461 Reported: 01/14/05 11:32

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

Sequoia Analytical - Petaluma

- 6			•								т.
ı		Reporting		Spike	Source		%REC		RPD		ı
ı	Analyte Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	ł

Batch 5010139 - EPA 50	030B, waters / E	CPA 8015B/8021B

Matrix Spike (5010139-MS1)	Source: P50	1018-12		Prepared	& Analyze	d: 01/11/	05			•
Gasoline Range Organics (C6-C10)	40600	500	ug/l	27500	16000	89	65-135			•
Benzene	386	5.0	Ħ	400	6.1	95	82-139			
Toluene	2230	5.0	"	2000	450	89	75-123			
Ethylbenzene	938	5.0	"	470	510	91	75-114			
Xylenes (total)	5040	5.0	**	2280	3100	85	78-116			
Methyl tert-butyl ether	480	25	••	620	37	71	64-168			
Surrogate: a,a,a-Trifluorotoluene	282		"	300		94	89-131			
Surrogate: 4-Bromofluorobenzene	317		"	300		106	65-135			
Matrix Spike Dup (5010139-MSD1)	Source: P50	1018-12		Prepared	& Analyze	d: 01/ 11/	05			
Gasoline Range Organics (C6-C10)	39300	500	ug/l	27500	16000	85	65-135	3	20	
Benzene	374	5.0	**	400	6.1	92	82-139	3	20	
Toluene	2150	5.0	11	2000	450	85	75-123	4	20	
Ethylbenzene	912	5.0	**	470	510	86	75-114	3	20	
Xylenes (total)	4850	5.0	17	2280	3100	77	78-116	4	20	QM02
Methyl tert-butyl ether	461	25	**	620	37	68	64-168	4	20	
Surrogate: a,a,a-Trifluorotoluene	280		*	300		93	89-131			
Surrogate: 4-Bromofluorobenzene	317		~	300		106	65-135			





Project:General Commercial
Project Number: Auto Pro/4095041620.03
Project Manager: David Nanstad

P412461 Reported: 01/14/05 11:32

Extractable Hydrocarbons with Silica Gel cleanup by EPA 8015B - Quality Control Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4120559 - EPA 3510C / EPA	8015B-SVOA									
Blank (4120559-BLK1)				Prepared a	& Analyze	xd: 12/30/	04			
Diesel Range Organics (C10-C28)	ND	0.050	mg/l	=						
Motor Oil Range Organics (C24-C36)	ND	0.25	и				•			
Surrogate: Octacosane	0.0325		*	0.0500	•	65	50-150			
Laboratory Control Sample (4120559-	BS1)			Prepared a	& Analyze	d: 12/30/	04			
Diesel Range Organics (C10-C28)	0.744	0.050	mg/l	1.00		74	49-102			
Surrogate: Octacosane	0.0311		"	0.0500		62	50-150			
Laboratory Control Sample Dup (4120	0559-BSD1)			Prepared o	& Analyze	d: 12/30/	04			
Diesel Range Organics (C10-C28)	0.776	0.050	mg/l	1.00		78	49-102	4	20	
Surrogate: Octacosane	0.0311		*	0.0500	•	62	50-150			
Batch 5010027 - EPA 3510C / EPA	8015B-SVOA									
Blank (5010027-BLK1)				Prepared:	01/04/05	Analyzed	I: 01/05/05			
Diesel Range Organics (C10-C28)	ND	0.050	mg/l	_						
Motor Oil Range Organies (C24-C36)	ND	0.25	u			4				
Surrogate: Octacosane	0.0319		*	0.0500		64	50-150			
Laboratory Control Sample (5010027-	BS1)			Prepared:	01/04/05	Analyzed	l: 01/05/05			
Diesel Range Organics (C10-C28)	0.962	0.050	mg/l	1.00		96	49-102			
Surrogate: Octacosane	0.0361		"	0.0500		72	50-150			
Laboratory Control Sample Dup (5010	0027-BSD1)			Prepared:	01/04/05	Analyzed	l: 0 1/05/05			
Diesel Range Organics (C10-C28)	0.937	0.050	mg/l	1.00		94	49-102	3 .	20	
Surrogate: Octacosane	0.0351		"	0.0500		70	50-150			***********



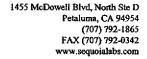


Project:General Commercial
Project Number:Auto Pro/4095041620.03
Project Manager:David Nanstad

P412461 Reported: 01/14/05 11:32

Volatile Organic Compounds by EPA Method 8260B - Quality Control Sequoia Analytical - Petaluma

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5010168 - EPA 5030B waters /	EPA 8260B		··································							
Blank (5010168-BLK1)				Prepared	& Analyze	ed: 01/13/	05			
Methyl tert-butyl ether	ND	0.50	ug/l							
Surrogate: Dibromofluoromethane	4.88		Ħ	5.00		98	84-122			
Laboratory Control Sample (5010168-BS	51)			Prepared	& Analyze	ed: 01/13/	05		<u> </u>	
Methyl tert-butyl ether	4.26	0.50	ug/l	5.00		85	77-123			
Surrogate: Dibromofluoromethane	5.00		"	5.00		100	84-122		, ,	
Matrix Spike (5010168-MS1)	Source: P4	12428-01RE	1	Prepared	& Analyz	ed: 01/13/	05			
Methyl tert-butyl ether	4090	250	ug/l	2500	1700	96	77-123			
Surrogate: Dibromofluoromethane	5.00		O	5.00		100	84-122			
Matrix Spike Dup (5010168-MSD1)	Source: P4	12428-01RF	E1	Prepared	& Analyze	ed: 01/13/	05			
Methyl tert-butyl ether	4190	250	ug/l	2500	1700	100	77-123	2	20	
Surrogate: Dibromofluoromethane	5.06		"	5.00		101	84-122			





Project:General Commercial Project Number: Auto Pro/4095041620.03 Project Manager: David Nanstad

P412461 Reported: 01/14/05 11:32

Notes and Definitions

S05 The surrogate recovery for this sample is below control limits due to interference from the sample matrix.

The surrogate recovery for this sample is above control limits due to interference from the sample matrix.

S02 The surrogate recovery was below control limits.

QM02 The spike recovery was below control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

HT-RA This sample was originally analyzed within the EPA recommended hold time. Re-analysis for confirmation or dilution was

performed past the recommended hold time.

CF1 Primary and confirmation results varied by greater than 40% RPD.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified

NR Not Reported

S04

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference