THE McEDWARDS GROUP
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December 29, 2005
Job No. 1058.01.02

Ms. Bonnie Rolandelli, Associate Engineering Geologist
California Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, CA 95403

Monitoring Report
December 2005
44851 North Highway 101
Laytonville, California

Dear Ms. Rolandelli:
This letter presents monitoring results for December 2005. Groundwater levels were measured and water samples were taken in MW-1 through MW-13 on December 5, 2005. Groundwater levels were measured after opening the wells the day before to allow water levels to equilibrate to atmospheric pressure. Each well was purged of standing water until successive measurements of indicator parameters pH, conductivity, oxidation reduction potential, dissolved oxygen, and temperature differed by less than 5% or until the well dewatered, whichever came first. Following purging, each well was let stand for at least two hours and then sampled using a disposable bailer. The well purging and sampling record is attached.

Water level contours for December 2005 are shown on Plate 1. Hydrographs of water level elevations measured each quarter since June 2003 are shown on Plate 2. Water level depths and elevations measured each quarter since June 2003 are tabulated in Table 1.

Samples were submitted for analysis of Total Petroleum Hydrocarbons (TPH) as Diesel and TPH as Gasoline using EPA method 8015 modified; Benzene, Toluene, Ethylbenzene, and Xylenes using EPA method 8020; and fuel oxygenates Di-isopropyl Ether (DIPE), Ethyl tert-Butyl Ether (ETBE), Methyl-tert Butyl Ether (MTBE), tert-Amyl Methyl Ether (TAME), and tert-Butanol (TB) and lead scavengers 1,2-Dibromoethane (EDB) and 1,2-Dichloroethane (1,2-DCA) using EPA method 8260. Analytical results for December 2005 are appended to historical record in Table 2. Concentration contours of TPH as Gasoline and the combined concentrations of MTBE, TAME, and TB for December 2005 are shown on Plates 3 and 4. The combined concentrations of MTBE, TAME, and TB are contoured to include TAME as an oxygenate and to include TB as a breakdown product of MTBE. Concentrations of DIPE and ETBE are below test detection limits. Concentrations of TPH as Gasoline and the sum of concentrations of MTBE, TAME, and TB versus time are shown on Plates 5 and 6.

CONCLUSIONS

Water level contours shown on Plate 1 show groundwater flow is generally westward across the site.

From the isoconcentration contours shown on Plates 3 and 4, it appears that the majority of the TPH as Gasoline contamination originates from or southwest of the area of MW-12, and that the oxygenate contamination found onsite is present due to migration northward from the adjacent Chevron station at 44801 North Highway 101.

Plate 5 shows TPH as Gasoline concentrations have not declined significantly since monitoring began in April 2003. Plate 6 shows that concentrations of fuel oxygenates have declined significantly since April 2003.

We recommend that our work plan for additional investigation, dated June 30, 2005, be reviewed and approved so that the source of high levels of contamination near MW-12 can be more clearly delineated.

Very Truly Yours,
THE McEDWARDS GROUP

REGISTERED PROFESSIONAL ENGINEER
DONALD G. McEDWARDS
NO.28088
EXP. 3/31/06
CIVIL
STATE OF CALIFORNIA

Donald G. McEdwards, PhD, CE 28088, EG 1288, HG 153
Principal Hydrogeologist

Attachments:
- Water Level Contours - 12/05/05, Plate 1
- Hydrographs of Wells, Plate 2
- TPH as Gasoline - 12/05/05, Plate 3
- Sum of MTBE, TAME, and TB - 12/05/05, Plate 4
- TPH as Gasoline versus Time, Plate 5
- Sum of MTBE, TAME, and TB versus Time, Plate 6
- Table 1 - Water Level Depths and Elevations in Wells at 44851 North Highway 101, Laytonville
- Table 2 - Analytical Results for Water Samples from Wells at 44851 North Highway 101, Laytonville
- Analytical Laboratory Report and Chain-of-Custody form
- Well Purging and Sampling Record

cc: Mr. Albert W. Repovsch, Jr.
P.O. Box 930
Laytonville, CA 95454

C:\1058\December 2005 QTR

Water Level Contours – 12/05/05

44851 Highway 101
Laytonville, California

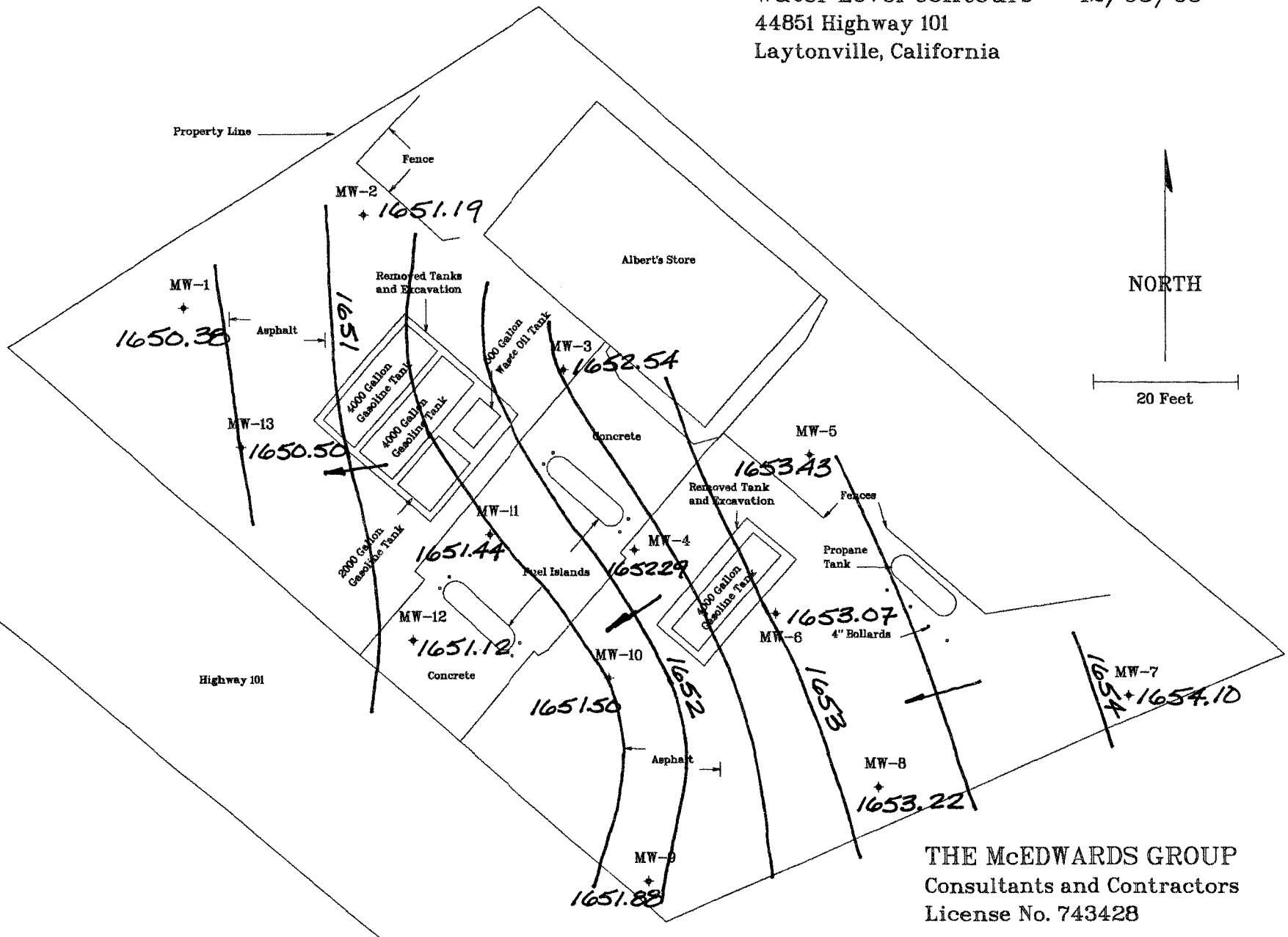

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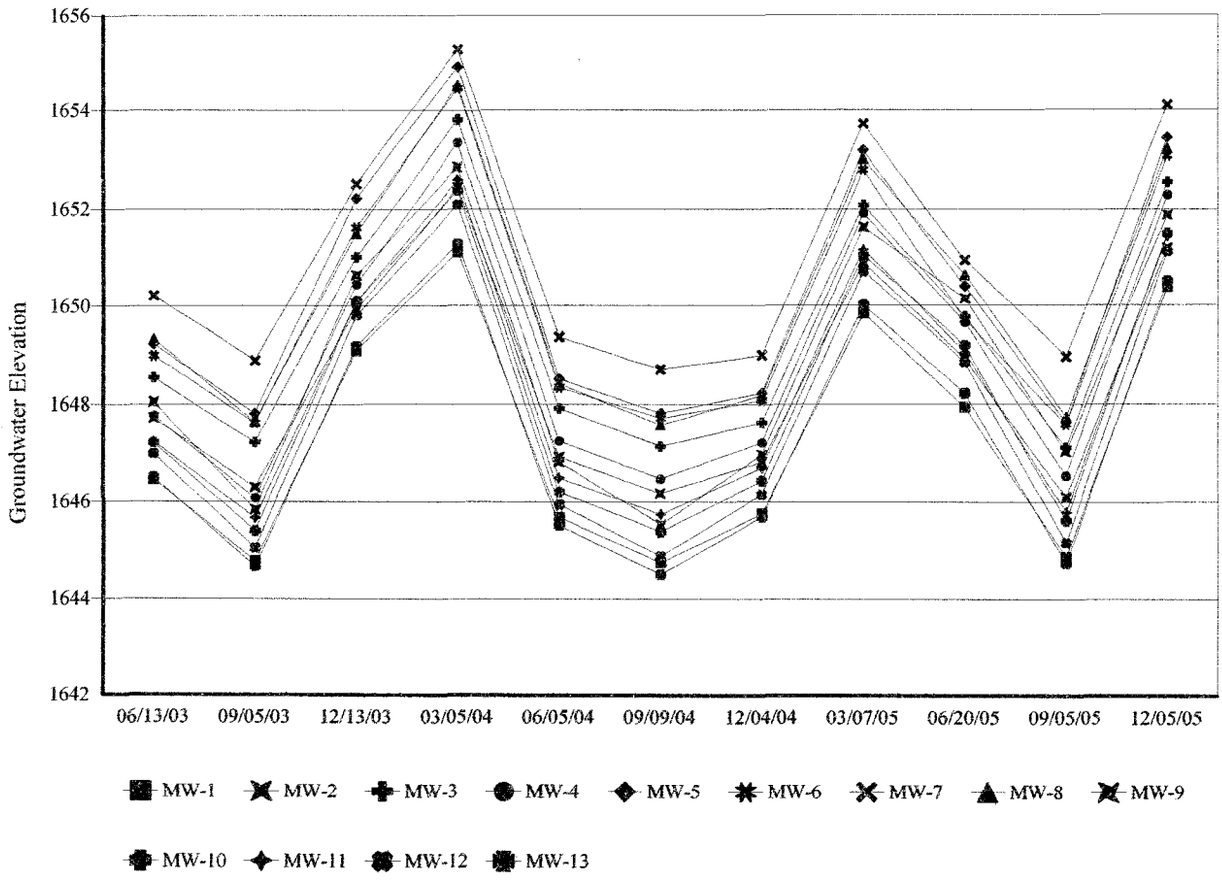
PLATE
1

Job Number: 1058.01.02

QTR.P1



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Hydrographs of Wells
44851 Highway 101
Laytonville, California

PLATE
2

Job Number: 1058.01.02

QTR.P2

TPH as Gasoline – 12/05/05

44851 Highway 101
Laytonville, California

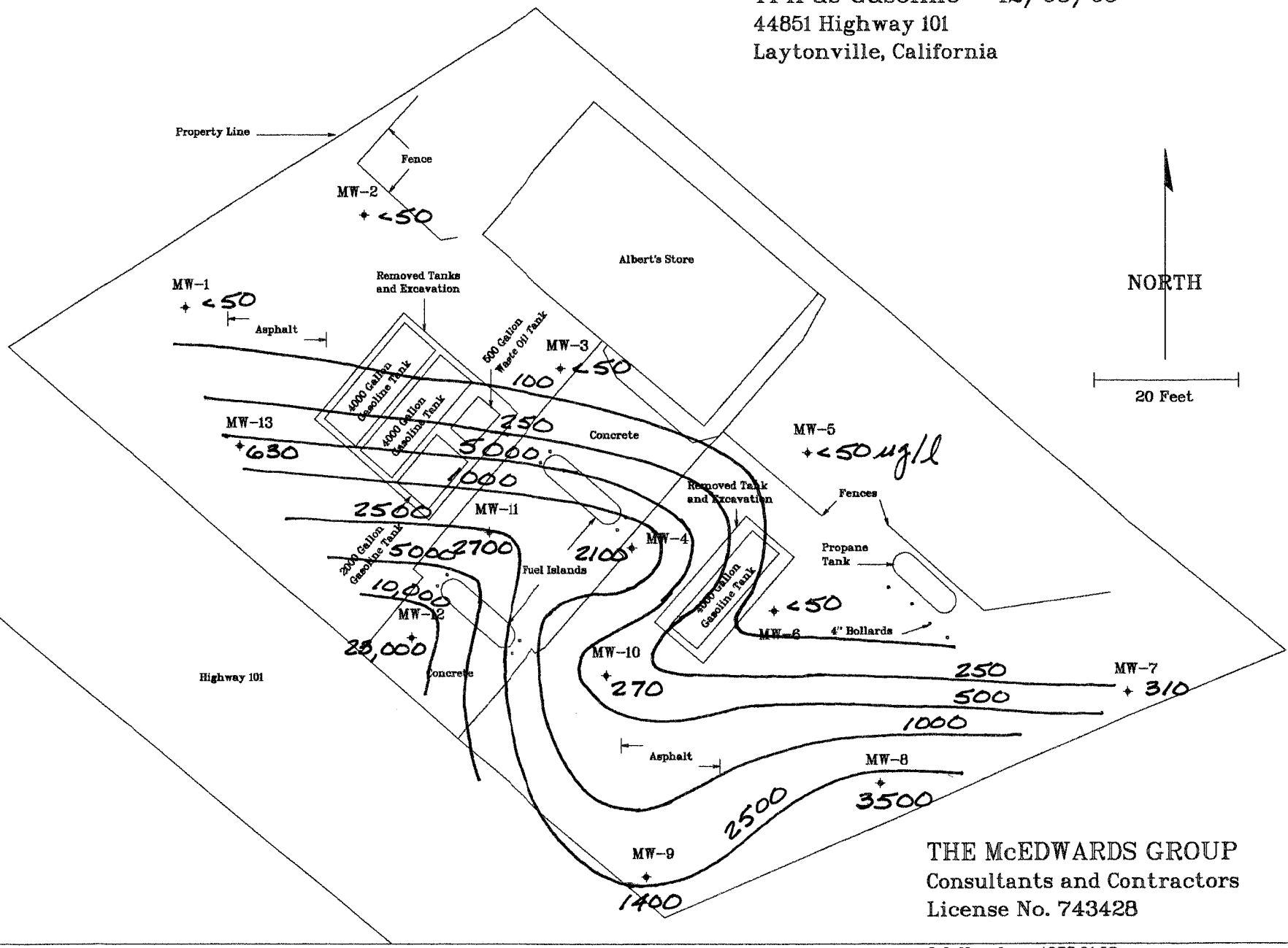

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PLATE
3

Job Number: 1058.01.02

QTR.P3

Sum of MTBE, TAME, and TB – 12/05/05

44851 Highway 101
Laytonville, California

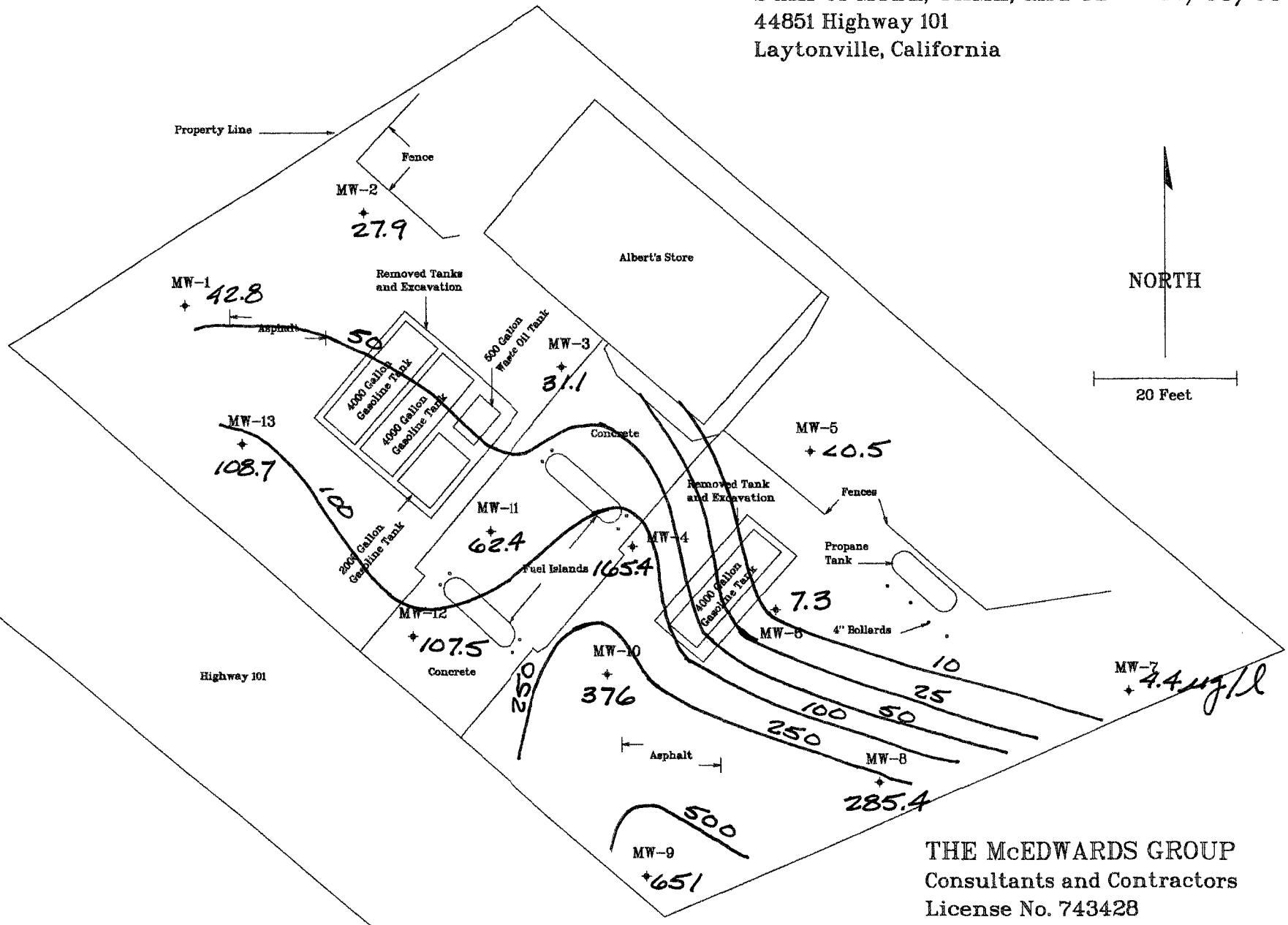

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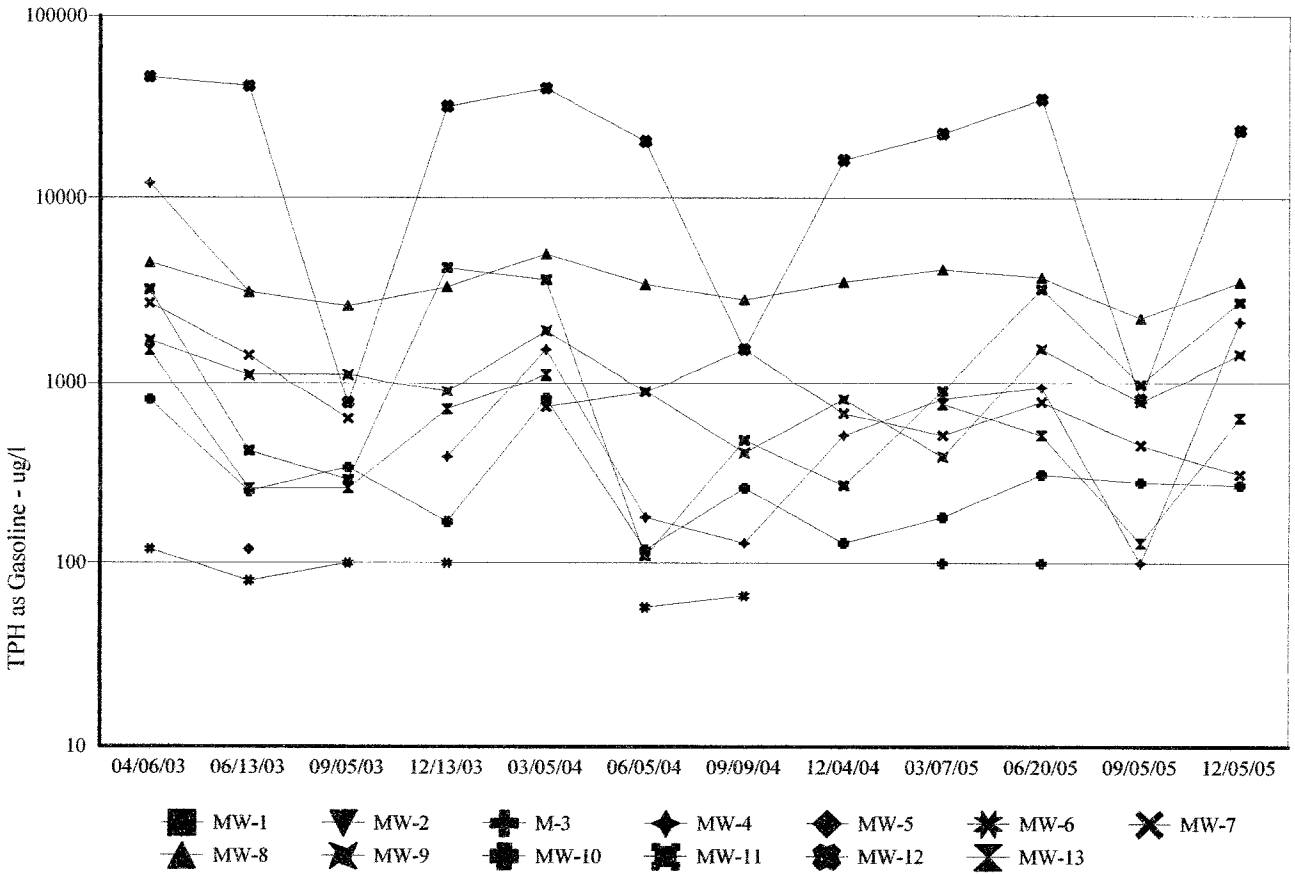
PLATE
4

Job Number: 1058.01.02

QTR.P4



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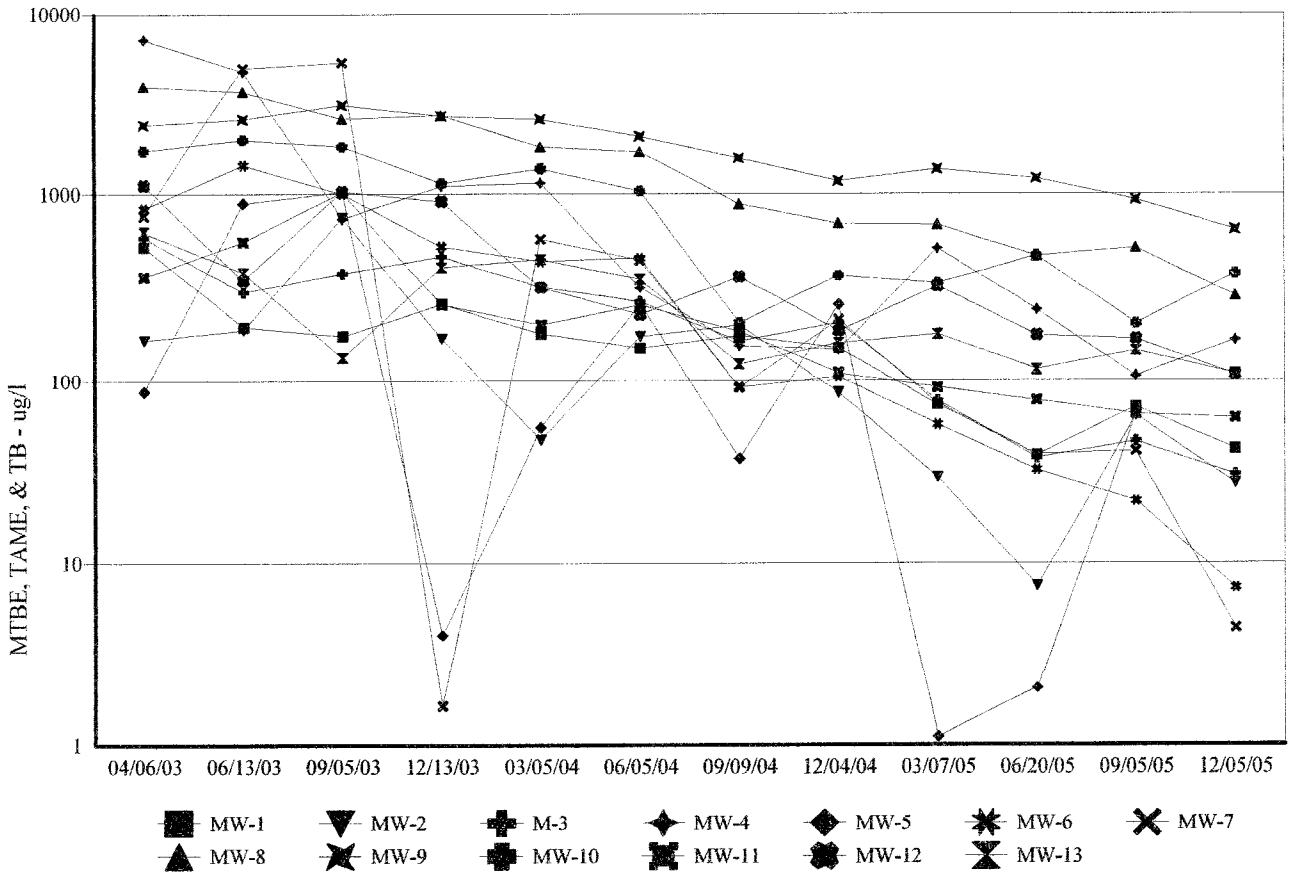
Gasoline versus Time
44851 Highway 101
Laytonville, California

PLATE
5

Job Number: 1058.01.02

QTR.P5



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Sum of MTBE, TAME, and TB versus Time
44851 Highway 101
Laytonville, California

PLATE
6

Job Number: 1058.01.02

QTR.P6

Table 1 - Water Level Depths and Elevations in Wells at 44851 North Highway 101, Laytonville

	Casing Elevation	*Depth*	*Elevation 06/13/03*	*Depth*	*Elevation 09/05/03*	*Depth*	*Elevation 12/13/03*	*Depth*	*Elevation 03/05/04*	*Depth*	*Elevation 06/05/04*
MW-1	1657.28	10.82	1646.46	12.49	1644.79	8.20	1649.08	6.17	1651.11	11.60	1645.68
MW-2	1657.82	10.09	1647.73	11.52	1646.30	7.90	1649.92	5.38	1652.44	10.90	1646.92
MW-3	1657.72	9.18	1648.54	10.49	1647.23	6.71	1651.01	3.92	1653.80	9.80	1647.92
MW-4	1657.40	9.62	1647.78	11.32	1646.08	6.96	1650.44	4.07	1653.33	10.15	1647.25
MW-5	1657.79	8.58	1649.21	9.97	1647.82	5.57	1652.22	2.90	1654.89	9.28	1648.51
MW-6	1657.51	8.53	1648.98	9.88	1647.63	5.89	1651.62	3.06	1654.45	9.17	1648.34
MW-7	1658.01	7.80	1650.21	9.13	1648.88	5.50	1652.51	2.75	1655.26	8.66	1649.35
MW-8	1657.37	8.06	1649.31	9.72	1647.65	5.87	1651.50	2.86	1654.51	8.96	1648.41
MW-9	1656.15	8.10	1648.05	10.31	1645.84	5.52	1650.63	3.30	1652.85	9.33	1646.82
MW-10	1656.69	9.47	1647.22	11.28	1645.41	6.60	1650.09	4.31	1652.38	10.49	1646.20
MW-11	1657.45	10.20	1647.25	11.78	1645.67	7.36	1650.09	4.86	1652.59	10.96	1646.49
MW-12	1656.90	9.91	1646.99	11.84	1645.06	7.10	1649.80	4.81	1652.09	10.96	1645.94
MW-13	1656.72	10.22	1646.50	12.04	1644.68	7.56	1649.16	5.44	1651.28	11.20	1645.52

	Casing Elevation	*Depth*	*Elevation 09/09/04*	*Depth*	*Elevation 12/04/04*	*Depth*	*Elevation 03/07/05*	*Depth*	*Elevation 06/20/05*	*Depth*	*Elevation 09/05/05*
MW-1	1657.28	12.52	1644.76	11.52	1645.76	7.45	1649.83	9.34	1647.94	12.40	1644.88
MW-2	1657.82	11.65	1646.17	11.00	1646.82	6.94	1650.88	8.91	1648.91	11.73	1646.09
MW-3	1657.72	10.58	1647.14	10.09	1647.63	5.64	1652.08	7.95	1649.77	10.60	1647.12
MW-4	1657.40	10.93	1646.47	10.18	1647.22	5.49	1651.91	7.75	1649.65	10.86	1646.54
MW-5	1657.79	9.97	1647.82	9.57	1648.22	4.61	1653.18	7.40	1650.39	10.16	1647.63
MW-6	1657.51	9.79	1647.72	9.43	1648.08	4.72	1652.79	7.81	1649.70	9.92	1647.59
MW-7	1658.01	9.31	1648.70	9.02	1648.99	4.29	1653.72	7.07	1650.94	9.05	1648.96
MW-8	1657.37	9.79	1647.58	9.19	1648.18	4.36	1653.01	6.74	1650.63	9.63	1647.74
MW-9	1656.15	10.62	1645.53	9.18	1646.97	4.52	1651.63	6.01	1650.14	10.12	1646.03
MW-10	1656.69	11.30	1645.39	10.26	1646.43	5.64	1651.05	7.51	1649.18	11.07	1645.62
MW-11	1657.45	11.71	1645.74	10.75	1646.70	6.29	1651.16	8.41	1649.04	11.66	1645.79
MW-12	1656.90	12.01	1644.89	10.75	1646.15	6.20	1650.70	8.06	1648.84	11.73	1645.17
MW-13	1656.72	12.21	1644.51	11.02	1645.70	6.72	1650.00	8.50	1648.22	11.97	1644.75

	Casing Elevation	*Depth*	*Elevation 12/05/05*
MW-1	1657.28	6.90	1650.38
MW-2	1657.82	6.63	1651.19
MW-3	1657.72	5.18	1652.54
MW-4	1657.40	5.11	1652.29
MW-5	1657.79	4.36	1653.43
MW-6	1657.51	4.44	1653.07
MW-7	1658.01	3.91	1654.10
MW-8	1657.37	4.15	1653.22
MW-9	1656.15	4.27	1651.88
MW-10	1656.69	5.19	1651.50
MW-11	1657.45	6.01	1651.44
MW-12	1656.90	5.78	1651.12
MW-13	1656.72	6.22	1650.50

Table 2 - Analytical Results for Water Samples from Wells at 44851 North Highway 101, Laytonville

		TPH as Diesel	TPH as Gasoline	BENZENE	TOLUENE	ETHLY-BENZENE	XYLENES	DIPE	ETBE	MTBE	TAME	TB	EDB	1,2-DCA
		ug/l							ug/l					
MW-1	04/06/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<10	<10	510	18	<100		
	06/13/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	190	6.3	<50		
	09/05/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	170	5.3	<25		
	12/13/03	<50	<50	<0.5	1.7	<0.5	<0.5	<5.0	<5.0	260	<5.0	<50		
	03/05/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<10	<10	180	<10	<100		
	06/05/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	150	<5.0	<50		
	09/09/04	<50	<50	<0.5	2.4	<0.5	<0.5	<2.5	<2.5	170	5.4	<25		
	12/04/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	150	<5	<50	<5	<5
	03/07/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	71	3.0	<10	<1.0	<1.0
	06/20/05	71	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	38	1.6	<5.0	<0.5	<0.5
	09/05/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<1.2	<1.2	68	3.8	<12	<1.2	<1.2
	12/05/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<1.2	<1.2	41	1.8	<12	<1.2	<1.2
MW-2	04/06/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	160	6.0	<25		
	06/13/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	190	<5.0	<50		
	09/05/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<17	<17	750	<17	<170		
	12/13/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	170	<5.0	<50		
	03/05/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	48	<1.0	<10		
	06/05/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	170	4.0	<25		
	09/09/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	200	<5.0	<50		
	12/04/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	80	6.0	<25	<2.5	<2.5
	03/07/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	29	1.1	<5	<0.5	<0.5
	06/20/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	7.5	<0.5	<5	<0.5	<0.5
	09/05/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<1.0	<1.0	62	2.7	<10	<1.0	<1.0
	12/05/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	27	0.92	<5	<0.5	<0.5
MW-3	04/06/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<10	<10	570	21	<100		
	06/13/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	290	11	<50		
	09/05/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<17	<17	380	<17	<170		
	12/13/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	460	8.2	<50		
	03/05/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<10	<10	320	<10	<100		
	06/05/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	260	6.1	<50		
	09/09/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	160	3.7	<25		
	12/04/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	200	6.1	<50	<5.0	<5.0
	03/07/05	<50	100	<0.5	1.1	<0.5	<0.5	<1.0	<1.0	75	2.6	<10	<1.0	<1.0
	06/20/05	60	100	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	37	1.3	<5.0	<0.5	<0.5
	09/05/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	33	14	<5.0	<0.5	<0.5
	12/05/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	30	1.1	<5.0	<0.5	<0.5
MW-4	04/06/03	600	12,000	330	2000	190	1400	<120	<120	6800	310	<1200		
	06/13/03	170	3,100	160	570	72	560	<100	<100	4500	190	<1000		
	09/05/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<17	<17	740	<17	<170		
	12/13/03	59	390	21	29	6.0	56	<50	<50	1100	<17	<500		
	03/05/04	200	1500	64	190	49.0	180	<25	<25	1100	45	<250		
	06/05/04	79	180	4.3	2.5	4.2	8.4	<5.0	<5.0	310	7.0	<50		
	09/09/04	78	130	1.6	1.9	0.80	1.3	<2.5	<2.5	150	4.1	<25		
	12/04/04	81	510	9.7	5.5	7.8	23	<5.0	<5.0	140	7.0	<50	<5.0	<5.0
	03/07/05	100	800	36	36	24	78	<10	<10	490	26	<100	<10	<10
	06/20/05	100	930	25	60	38	140	<5.0	<5.0	230	11	<50	<5.0	<5.0
	09/05/05	86	100	2.3	1.2	0.93	1.7	<1.2	<1.2	70	2.8	33	<1.2	<1.2
	12/05/05	370	2100	14	50	39	220	<2.5	<2.5	130	6.4	29	<2.5	<2.5
MW-5	04/06/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<1.5	<1.5	84	3.2	<12		
	06/13/03	97	120	<0.5	<0.5	<0.5	<0.5	<12	<12	890	<12	<120		
	09/05/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<17	<17	1000	25	<170		
	12/13/03	<50	<50	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	4.0	<0.5	<5.0		
	03/05/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	56	<2.5	<25		
	06/05/04	54	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	190	3.7	66		
	09/09/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	37	0.99	<5.0		
	12/04/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	250	7.0	<50	<5.0	<5.0
	03/07/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<5.0	<0.5	<0.5
	06/20/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.0	<0.5	<5.0	<0.5	<0.5
	09/05/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<1.2	<1.2	64	1.9	<12	<1.2	<1.2
	12/05/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<0.5
MW-6	04/06/03	58	120	<0.5	0.96	<0.5	<0.5	<17	<17	800	34	<170		
	06/13/03	<50	80	<0.5	0.68	<0.5	<0.5	<17	<17	1400	22	<170		
	09/05/03	<50	100	<0.5	1.8	<0.5	<0.5	<17	<17	1000	<17	<170		
	12/13/03	<50	100	<0.5	1.8	<0.5	<0.5	<10	<10	530	<17	<100		
	03/05/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<17	<17	440	<17	<170		
	06/05/04	<50	57	<0.5	1.5	<0.5	<0.5	<0.5	<0.5	330	8.0	120		
	09/09/04	<50	66	<0.5	4.0	<0.5	<0.5	<0.5	<0.5	32	0.68	59		
	12/04/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	23	<0.5	82	<0.5	<0.5
	03/07/05	55	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	21	0.69	36	<0.5	<0.5
	06/20/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	14	<0.5	19	<0.5	<0.5
	09/05/05	<50	<50	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	7.2	<0.5	15	<0.5	<0.5
	12/05/05	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	7.3	<0.5	<5.0	<0.5	<0.5
MW-7	04/06/03	2500	2700	29	6.6	12	9.3	<12	<12	730	37	<120		
	06/13/03	420	1400	8.2	3.0	8.3	9.6	<100	<100	4900	<100	<1000		
	09/05/03	76	630	3.0	<1.7	1.8	1.9	<120	<120	5300	<120	<1200		
	12/13/03	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	<0.5	<5.0		
	03/05/04	440	730	4.0	1.2	1.9	2.1	<17	<17	580	<17	<170		
	06/05/04	650	880	4.9	1.9	2.7	3.6	<0.5	<0.5	270	5.1	170		
	09/09/04	670	1500	2.1	1.3	2.1	2.2	<1.0	<1.0	32	0.68	59		
	12/04/04	250	670	1.0	2.6	0.82	0.64	<5.0	<5.0	23	<5.0	190	<5.0	<5.0
	03/07/05	210	510	0.99	0.71	0.75	0.51	<0.5	<0.5	24	<0.5	51	<0.5	<0.5
	06/20/05	3200	770	1.1	0.95	1.7	1.5	<0.5	<0.5	20	<0.5	20	<0.5	<0.5
	09/05/05	730	450	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	20	0.75	21	<0.5	<0.5
	12/05/05	130	310	0.53	0.86	<0.5	<0.5	<0.5	<0.5	4.4	<0.5	<5.0	<0.5	<0.5

Table 2 - Analytical Results for Water Samples from Wells at 44851 North Highway 101, Laytonville

		TPH as Diesel	TPH as Gasoline	BENZENE	TOLUENE	ETHLY-BENZENE	XYLENES	DIPE	ETBE	MTBE	TAME	TB	EDB	1,2-DCA
		ug/l						ug/l						
MW-8	04/06/03	1400	4500	61	9.9	86	12	<50	<50	3700	180	<500		
	06/13/03	710	3100	47	9.6	80	12	<50	<50	3500	130	<500		
	09/05/03	500	2600	43	6.9	60	6.3	<25	<25	2500	80	<250		
	12/13/03	1500	3300	32	5.4	43	7.0	<50	<50	2700	<50	<500		
	03/05/04	1900	5000	34	5.2	2	2.1	<50	<50	1800	<50	<500		
	06/05/04	1600	3400	22	6.1	63	9.2	<17	<17	1400	45	240		
	09/09/04	2000	2800	10	3.8	29	7.0	<10	<10	490	13	380		
	12/04/04	1200	3500	20	5.4	22	5.0	<10	<10	350	<10	350	<10	<10
	03/07/05	1200	4100	22	4.8	45	1.9	<5.0	<5.0	320	12	360	<5.0	<5.0
	06/20/05	1200	3700	20	10	32	12	<5.0	<5.0	230	8.9	230	<5.0	<5.0
	09/05/05	1400	2200	13	4.3	29	5.6	<5.0	<5.0	220	9.0	290	<5.0	<5.0
	12/05/05	1500	3500	26	4.4	24	8.1	<2.5	<2.5	130	5.4	150	<2.5	<2.5
MW-9	04/06/03	550	1700	1.4	2.1	2.4	<1.0	<50	<50	2300	68	<500		
	06/13/03	370	1100	0.99	2.2	3.1	1.2	<50	<50	2500	54	<500		
	09/05/03	140	1100	2.1	0.81	1.8	<0.5	<50	<50	3000	73	<500		
	12/13/03	590	890	<1.0	1.6	2.8	3.2	<50	<50	2600	74	<500		
	03/05/04	680	1900	2.2	1.7	2.8	1.3	<50	<50	2500	68	<500		
	06/05/04	510	890	1.4	1.2	1.1	1.2	<50	<50	2000	60	<500		
	09/09/04	270	410	<0.5	0.7	1.4	<0.5	<12	<12	910	26	620		
	12/04/04	310	800	1.4	2.4	1.3	0.70	<10	<10	280	<10	890	<10	<10
	03/07/05	470	390	<0.5	<0.5	1.3	<0.5	<10	<10	260	<10	1100	<10	<10
	06/20/05	480	1500	1.2	2.0	1.7	0.51	<5.0	<5.0	110	<5.0	1100	<5.0	<5.0
	09/05/05	370	770	<0.5	0.57	0.97	<0.5	<10	<10	65	<10	870	<10	<10
	12/05/05	400	1400	1.9	2.8	1.3	<0.5	<5.0	<5.0	41	<5.0	610	<5.0	<5.0
MW-10	04/06/03	110	800	27	6.5	17	70	<33	<33	1600	99	<330		
	06/13/03	60	250	13	2.3	4.6	15	<25	<25	1900	66	<250		
	09/05/03	<50	340	14	2.0	4.7	5.3	<50	<50	1800	<50	<500		
	12/13/03	53	170	14	0.90	2.9	2.2	<17	<17	1100	40	<170		
	03/05/04	130	810	46	6.7	12	28	<25	<25	1300	65	<250		
	06/05/04	56	120	8.3	0.83	1.1	2.9	<17	<17	740	36	260		
	09/09/04	<50	260	7.9	2.0	0.56	1.7	<1.7	<1.7	91	4.6	110		
	12/04/04	56	130	3.2	1.7	<0.5	0.87	<5.0	<5.0	260	8.4	100	<5.0	<5.0
	03/07/05	81	180	11	2.5	2.6	7.0	<5.0	<5.0	210	15	110	<5.0	<5.0
	06/20/05	95	310	20	2.8	5.5	28	<5.0	<5.0	330	22	120	<5.0	<5.0
	09/05/05	<50	280	8.9	2.9	1.5	4.4	<2.5	<2.5	130	9.3	64	<2.5	<2.5
	12/05/05	70	270	22	1.3	8.4	20	<5.0	<5.0	220	16	140	<5.0	<5.0
MW-11	04/06/03	540	3200	10	8.2	82	360	<5.0	<5.0	340	24	<50		
	06/13/03	89	420	1.1	2.9	3.8	12	<10	<10	550	11	<100		
	09/05/03	<50	290	0.63	1.1	2.3	6.2	<17	<17	1000	18	<170		
	12/13/03	1200	4200	20	12	75	430	<5.0	<5.0	240	18	<50		
	03/05/04	1300	3600	12	13	49	250	<5.0	<5.0	190	12	<50		
	06/05/04	<50	110	<0.5	0.97	49	0.89	<5.0	<5.0	250	5.9	<50		
	09/09/04	56	480	1.0	2.6	2.0	12	<2.5	<2.5	180	4.6	<25		
	12/04/04	71	270	<0.5	1.1	1.9	16	<2.5	<2.5	110	<2.5	<25	<2.5	<2.5
	03/07/05	730	890	4.7	0.70	12	76	<1.0	<1.0	69	6.5	16	<1.0	<1.0
	06/20/05	930	3200	10	15	24	120	<1.0	<1.0	66	12.0	<10	<1.0	<1.0
	09/05/05	54	970	1.1	4.7	0.57	9.6	<1.2	<1.2	63	2.5	<12	<1.2	<1.2
	12/05/05	1100	2700	11	13	26	170	<0.5	<0.5	45	8.8	8.6	<0.5	<0.5
MW-12	04/06/03	4000	45,000	330	3000	1800	8200	<20	<20	1000	110	<200		
	06/13/03	2400	40,000	150	1500	1900	7600	<50	<50	350	<50	<500		
	09/05/03	<50	770	4.6	6.2	24	78	<17	<17	1000	29	<170		
	12/13/03	3500	31,000	250	800	1800	8400	<12	<12	840	74	<120		
	03/05/04	3900	39,000	120	600	2300	8300	<5.0	<5.0	300	18	<50		
	06/05/04	3200	20,000	<50	74	840	3200	<5.0	<5.0	220	8.0	<50		
	09/09/04	170	1500	3.2	5.2	24	82	<5.0	<5.0	350	13	<50		
	12/04/04	2200	16,000	18	54	740	2400	<5.0	<5.0	180	5.9	<50	<5.0	<5.0
	03/07/05	2800	22,000	56	95	1400	4300	<5.0	<5.0	210	15	97	<5.0	<5.0
	06/20/05	2700	34,000	87	110	1800	5800	<5.0	<5.0	160	16	<50	<5.0	<5.0
	09/05/05	95	800	1.3	2.3	16	43	<5.0	<5.0	160	7.9	<50	<5.0	<5.0
	12/05/05	2300	23,000	70	36	1100	3600	<5.0	<5.0	99	8.5	<50	<5.0	<5.0
MW-13	04/06/03	1100	1500	3.4	3.8	28	17	<10	<10	600	31	<100		
	06/13/03	57	260	0.94	0.95	2.2	2.1	<5.0	<5.0	370	15	<50		
	09/05/03	<50	260	0.94	0.95	2.2	2.1	<2.5	<2.5	130	3.6	<25		
	12/13/03	790	710	3.9	2.4	10	12	<5.0	<5.0	390	20	<50		
	03/05/04	940	1100	2.9	2.0	26	20	<5.0	<5.0	270	17	65		
	06/05/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	340	13	<50		
	09/09/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<2.5	120	2.5	<25		
	12/04/04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	160	<5.0	<50	<5.0	<5.0
	03/07/05	1100	750	1.6	<1.0	11	6.5	<2.5	<2.5	140	9.5	29	<2.5	<2.5
	06/20/05	510	510	0.81	<0.5	4.9	2.2	<1.7	<1.7	110	4.8	<17	<1.7	<1.7
	09/05/05	<50	130	<0.5	4.1	<0.5	<0.5	<2.5	<2.5	140	5.3	<25	<2.5	<2.5
	12/05/05	660	630	3.0	3.1	10	6.5	<1.2	<1.2	69	6.7	33	<1.2	<1.2

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The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1058.01.02; 44851 North Highway 101	Date Sampled: 12/05/05
		Date Received: 12/07/05
	Client Contact: Don McEdwards	Date Extracted: 12/08/05-12/13/05
	Client P.O.:	Date Analyzed: 12/08/05-12/13/05

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0512124

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1	W	ND	---	ND	ND	ND	ND	1	101
002A	MW-2	W	ND	---	ND	ND	ND	ND	1	102
003A	MW-3	W	ND	---	ND	ND	ND	ND	1	100
004A	MW-4	W	2100,a	---	14	50	39	220	5	113
005A	MW-5	W	ND	---	ND	ND	ND	ND	1	98
006A	MW-6	W	ND	---	ND	ND	ND	ND	1	100
007A	MW-7	W	310,a	---	0.53	0.86	ND	ND	1	102
008A	MW-8	W	3500,a	---	26	4.4	24	8.1	2	85
009A	MW-9	W	1400,a	---	1.9	2.8	1.3	ND	1	109
010A	MW-10	W	270,a	---	22	1.3	8.4	20	1	109
011A	MW-11	W	2700,a	---	11	13	26	170	10	116
012A	MW-12	W	23,000,a	---	70	36	1100	3600	33	107
013A	MW-13	W	630,a	---	3.0	3.1	10	6.5	1	100

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 and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/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 ~1 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; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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		Date Received: 12/07/05
	Client Contact: Don McEdwards	Date Extracted: 12/07/05
	Client P.O.:	Date Analyzed: 12/07/05-12/08/05

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0512124

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0512124-001B	MW-1	W	ND	1	98
0512124-002B	MW-2	W	ND	1	98
0512124-003B	MW-3	W	ND	1	98
0512124-004B	MW-4	W	370,d	1	99
0512124-005B	MW-5	W	ND	1	99
0512124-006B	MW-6	W	ND	1	104
0512124-007B	MW-7	W	130,d	1	102
0512124-008B	MW-8	W	1500,d,b	1	103
0512124-009B	MW-9	W	400,d	1	103
0512124-010B	MW-10	W	70,d	1	88
0512124-011B	MW-11	W	1100,d	1	89
0512124-012B	MW-12	W	2300,d	10	88
0512124-013B	MW-13	W	660,d	1	89

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	NA	NA

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported 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 ~1 vol. % sediment; k) kerosene/kerosene range/jet fuel range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

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The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1058.01.02; 44851 North Highway 101	Date Sampled: 12/05/05
		Date Received: 12/07/05
	Client Contact: Don McEdwards	Date Extracted: 12/07/05-12/09/05
	Client P.O.:	Date Analyzed: 12/07/05-12/09/05

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0512124

Lab ID	0512124-001C	0512124-002C	0512124-003C	0512124-004C	Reporting Limit for DF =1	
Client ID	MW-1	MW-2	MW-3	MW-4		
Matrix	W	W	W	W		
DF	2.5	1	1	5	S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	1.8	0.92	1.1	6.4	NA	0.5
t-Butyl alcohol (TBA)	ND<12	ND	ND	29	NA	5.0
1,2-Dibromoethane (EDB)	ND<1.2	ND	ND	ND<2.5	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<1.2	ND	ND	ND<2.5	NA	0.5
Diisopropyl ether (DIPE)	ND<1.2	ND	ND	ND<2.5	NA	0.5
Ethyl tert-butyl ether (ETBE)	ND<1.2	ND	ND	ND<2.5	NA	0.5
Methyl-t-butyl ether (MTBE)	41	27	30	130	NA	0.5
Surrogate Recoveries (%)						
%SS1:	102	99	101	103		
Comments						

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

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1058.01.02; 44851 North Highway 101	Date Sampled: 12/05/05
		Date Received: 12/07/05
	Client Contact: Don McEdwards	Date Extracted: 12/07/05-12/09/05
	Client P.O.:	Date Analyzed: 12/07/05-12/09/05

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0512124

Lab ID	0512124-005C	0512124-006C	0512124-007C	0512124-008C	Reporting Limit for DF =1	
Client ID	MW-5	MW-6	MW-7	MW-8		
Matrix	W	W	W	W		
DF	1	1	1	5	S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	5.4	NA	0.5
t-Butyl alcohol (TBA)	ND	ND	ND	150	NA	5.0
1,2-Dibromoethane (EDB)	ND	ND	ND	ND<2.5	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND<2.5	NA	0.5
Diisopropyl ether (DIPE)	ND	ND	ND	ND<2.5	NA	0.5
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND<2.5	NA	0.5
Methyl-t-butyl ether (MTBE)	ND	7.3	4.4	130	NA	0.5
Surrogate Recoveries (%)						
%SS1:	104	102	96	98		
Comments						

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

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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	Client Contact: Don McEdwards	Date Extracted: 12/07/05-12/09/05
	Client P.O.:	Date Analyzed: 12/07/05-12/09/05

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0512124

Lab ID	0512124-009C	0512124-010C	0512124-011C	0512124-012C	Reporting Limit for DF =1	
Client ID	MW-9	MW-10	MW-11	MW-12		
Matrix	W	W	W	W		
DF	10	10	1	10	S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<5.0	16	8.8	8.5	NA	0.5
t-Butyl alcohol (TBA)	610	140	8.6	ND<50	NA	5.0
1,2-Dibromoethane (EDB)	ND<5.0	ND<5.0	ND	ND<5.0	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<5.0	ND<5.0	ND	ND<5.0	NA	0.5
Diisopropyl ether (DIPE)	ND<5.0	ND<5.0	ND	ND<5.0	NA	0.5
Ethyl tert-butyl ether (ETBE)	ND<5.0	ND<5.0	ND	ND<5.0	NA	0.5
Methyl-t-butyl ether (MTBE)	41	220	45	99	NA	0.5
Surrogate Recoveries (%)						
%SS1:	104	102	95	98		
Comments						

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

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
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The McEdwards Group 1025 Hearst-Willits Road Willits, CA 95490-9743	Client Project ID: #1058.01.02; 44851 North Highway 101	Date Sampled: 12/05/05
		Date Received: 12/07/05
	Client Contact: Don McEdwards	Date Extracted: 12/07/05-12/09/05
	Client P.O.:	Date Analyzed: 12/07/05-12/09/05

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0512124

		Reporting Limit for DF =1	
Lab ID	0512124-013C		
Client ID	MW-13		
Matrix	W		
DF	2.5	S	W
Compound	**Concentration**	ug/kg	µg/L
tert-Amyl methyl ether (TAME)	6.7	NA	0.5
t-Butyl alcohol (TBA)	33	NA	5.0
1,2-Dibromoethane (EDB)	ND<1.2	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<1.2	NA	0.5
Diisopropyl ether (DIPE)	ND<1.2	NA	0.5
Ethyl tert-butyl ether (ETBE)	ND<1.2	NA	0.5
Methyl-t-butyl ether (MTBE)	69	NA	0.5
Surrogate Recoveries (%)			
%SS1:	101		
Comments			

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

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

DHS Certification No. 1644

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water | QC Matrix: Water | WorkOrder: 0512124

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 19322** **Spiked Sample ID: 0512123-005A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	60	100	99.9	0.436	98.5	102	3.80	70 - 130	70 - 130
MTBE	ND	10	103	100	2.15	104	110	5.09	70 - 130	70 - 130
Benzene	ND	10	99	99.6	0.594	103	109	5.78	70 - 130	70 - 130
Toluene	ND	10	100	102	1.20	104	110	5.36	70 - 130	70 - 130
Ethylbenzene	ND	10	101	102	0.264	104	106	2.46	70 - 130	70 - 130
Xylenes	ND	30	103	103	0	107	110	3.08	70 - 130	70 - 130
%SS:	100	10	100	101	1.06	101	106	4.53	70 - 130	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

BATCH 19322 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512124-001A	12/05/05 5:30 PM	12/09/05	12/09/05 2:34 PM	0512124-002A	12/05/05 6:00 PM	12/08/05	12/08/05 10:37 AM
0512124-003A	12/05/05 6:30 PM	12/09/05	12/09/05 3:09 PM	0512124-004A	12/05/05 7:30 PM	12/08/05	12/08/05 6:48 PM

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

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

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or 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.

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water | QC Matrix: Water | WorkOrder: 0512124

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 19323** **Spiked Sample ID: 0512124-005A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex)£	ND	60	102	98.6	3.00	101	103	1.60	70 - 130	70 - 130
MTBE	ND	10	105	104	1.28	103	107	3.65	70 - 130	70 - 130
Benzene	ND	10	101	99.2	1.59	101	103	2.31	70 - 130	70 - 130
Toluene	ND	10	102	101	1.23	102	105	3.20	70 - 130	70 - 130
Ethylbenzene	ND	10	102	102	0	103	106	2.85	70 - 130	70 - 130
Xylenes	ND	30	103	103	0	103	110	6.25	70 - 130	70 - 130
%SS:	98	10	100	100	0	101	100	0.493	70 - 130	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

BATCH 19323 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512124-005A	12/05/05 7:00 PM	12/08/05	12/08/05 11:44 AM	0512124-006A	12/05/05 8:00 PM	12/08/05	12/08/05 12:17 PM
0512124-007A	12/05/05 9:30 PM	12/08/05	12/08/05 12:51 PM	0512124-008A	12/05/05 9:00 PM	12/08/05	12/08/05 4:44 PM
0512124-009A	12/05/05 8:30 PM	12/08/05	12/08/05 1:25 PM	0512124-010A	12/05/05 10:00 PM	12/08/05	12/08/05 4:51 AM
0512124-010A	12/05/05 10:00 PM	12/13/05	12/13/05 8:12 PM	0512124-011A	12/05/05 4:30 PM	12/08/05	12/08/05 5:24 AM
0512124-012A	12/05/05 4:00 PM	12/08/05	12/08/05 7:18 PM	0512124-013A	12/05/05 5:00 PM	12/08/05	12/08/05 4:10 PM

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

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

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or 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.

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0512124

EPA Method: SW8015C **Extraction: SW3510C** **BatchID: 19319** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	N/A	1000	N/A	N/A	N/A	116	118	1.81	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	96	106	9.18	N/A	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

BATCH 19319 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512124-001B	12/05/05 5:30 PM	12/07/05	12/07/05 2:51 PM	0512124-002B	12/05/05 6:00 PM	12/07/05	12/07/05 4:01 PM
0512124-003B	12/05/05 6:30 PM	12/07/05	12/07/05 5:11 PM	0512124-004B	12/05/05 7:30 PM	12/07/05	12/07/05 6:20 PM
0512124-005B	12/05/05 7:00 PM	12/07/05	12/08/05 8:41 PM	0512124-006B	12/05/05 8:00 PM	12/07/05	12/07/05 2:51 PM
0512124-007B	12/05/05 9:30 PM	12/07/05	12/07/05 4:01 PM				

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

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

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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.

DHS Certification No. 1644

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water | QC Matrix: Water | WorkOrder: 0512124

EPA Method: SW8015C **Extraction: SW3510C** **BatchID: 19324** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	N/A	1000	N/A	N/A	N/A	99.5	99.1	0.381	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	87	87	0	N/A	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

BATCH 19324 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512124-008B	12/05/05 9:00 PM	12/07/05	12/07/05 5:11 PM	0512124-009B	12/05/05 8:30 PM	12/07/05	12/07/05 6:20 PM
0512124-010B	12/05/05 10:00 PM	12/07/05	12/07/05 3:31 PM	0512124-011B	12/05/05 4:30 PM	12/07/05	12/07/05 4:40 PM
0512124-012B	12/05/05 4:00 PM	12/07/05	12/07/05 6:56 PM	0512124-013B	12/05/05 5:00 PM	12/07/05	12/07/05 5:48 PM

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

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

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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.

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water | QC Matrix: Water | WorkOrder: 0512124

EPA Method: SW8260B | **Extraction: SW5030B** | **BatchID: 19317** | **Spiked Sample ID: 0512121-003B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
tert-Amyl methyl ether (TAME)	ND	10	107	112	4.69	109	109	0	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	50	92.4	91.4	1.01	89.9	90.4	0.535	70 - 130	70 - 130
1,2-Dibromoethane (EDB)	ND	10	103	108	4.75	109	107	1.95	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	10	102	109	6.12	105	105	0	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	10	98.1	105	6.48	101	103	1.09	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	10	94	99.3	5.42	97.6	96.3	1.27	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	10	96.5	101	4.82	97.7	97.2	0.473	70 - 130	70 - 130
%SS1:	102	10	98	99	1.24	99	101	1.31	70 - 130	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

BATCH 19317 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512124-001C	12/05/05 5:30 PM	12/09/05	12/09/05 4:10 AM	0512124-002C	12/05/05 6:00 PM	12/07/05	12/07/05 4:01 PM

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

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

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water | QC Matrix: Water | WorkOrder: 0512124

EPA Method: SW8260B | **Extraction: SW5030B** | **BatchID: 19325** | **Spiked Sample ID: 0512127-002B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
tert-Amyl methyl ether (TAME)	ND	10	104	109	4.46	108	111	3.08	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	50	86.9	91.5	5.08	89.4	91.8	2.69	70 - 130	70 - 130
1,2-Dibromoethane (EDB)	ND	10	103	108	5.37	110	109	0.277	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	10	101	106	4.82	105	109	3.13	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	10	97.1	105	7.66	102	105	2.21	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	10	93	98.6	5.82	96.7	98.8	2.11	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	10	93.7	98.6	5.11	98.7	100	1.82	70 - 130	70 - 130
%SS1:	104	10	100	100	0	98	100	1.93	70 - 130	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

BATCH 19325 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0512124-003C	12/05/05 6:30 PM	12/07/05	12/07/05 4:44 PM	0512124-004C	12/05/05 7:30 PM	12/08/05	12/08/05 11:55 PM
0512124-005C	12/05/05 7:00 PM	12/09/05	12/09/05 12:38 AM	0512124-006C	12/05/05 8:00 PM	12/07/05	12/07/05 6:52 PM
0512124-007C	12/05/05 9:30 PM	12/07/05	12/07/05 7:35 PM	0512124-008C	12/05/05 9:00 PM	12/09/05	12/09/05 1:20 AM
0512124-009C	12/05/05 8:30 PM	12/09/05	12/09/05 2:03 AM	0512124-010C	12/05/05 10:00 PM	12/09/05	12/09/05 2:45 AM
0512124-011C	12/05/05 4:30 PM	12/08/05	12/08/05 12:33 AM	0512124-012C	12/05/05 4:00 PM	12/08/05	12/08/05 1:15 AM
0512124-013C	12/05/05 5:00 PM	12/09/05	12/09/05 3:28 AM				

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

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

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 0512124 **ClientID: TMG** **EDF: YES**

Report to:
Don McEdwards
The McEdwards Group
1025 Hearst-Willits Road
Willits, CA 95490-9743

TEL: (707) 459-1086
FAX: (707) 459-1084
ProjectNo: #1058.01.02; 44851 North Highway 101
PO:

Bill to:
Don McEdwards
The McEdwards Group
1025 Heasrt-Willits Road
Willits, CA 95490-9743

Requested TAT: 5 days

Date Received: 12/07/2005
Date Printed: 12/07/2005

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0512124-001	MW-1	Water	12/5/05 5:30:00 PM	☐	C	A	A	B								
0512124-002	MW-2	Water	12/5/05 6:00:00 PM	☐	C	A		B								
0512124-003	MW-3	Water	12/5/05 6:30:00 PM	☐	C	A		B								
0512124-004	MW-4	Water	12/5/05 7:30:00 PM	☐	C	A		B								
0512124-005	MW-5	Water	12/5/05 7:00:00 PM	☐	C	A		B								
0512124-006	MW-6	Water	12/5/05 8:00:00 PM	☐	C	A		B								
0512124-007	MW-7	Water	12/5/05 9:30:00 PM	☐	C	A		B								
0512124-008	MW-8	Water	12/5/05 9:00:00 PM	☐	C	A		B								
0512124-009	MW-9	Water	12/5/05 8:30:00 PM	☐	C	A		B								
0512124-010	MW-10	Water	12/5/05 10:00:00	☐	C	A		B								
0512124-011	MW-11	Water	12/5/05 4:30:00 PM	☐	C	A		B								
0512124-012	MW-12	Water	12/5/05 4:00:00 PM	☐	C	A		B								
0512124-013	MW-13	Water	12/5/05 5:00:00 PM	☐	C	A		B								

Test Legend:

1	5-OXYS+PBSCV_W	2	G-MBTEX_W	3	PREDF REPORT	4	TPH(D)_W	5	
6		7		8		9		10	
11		12							

Prepared by: Maria 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.

0512124

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Don McEdwards Bill To: SAME
Company: The McEdwards Group
1025 Hearst-Willits Road
Willits, CA 95490-9743 E-Mail: TMGCOLNSTAWAVE.NET
Tele: (707) 459-1086 Fax: (707) 459-1084
Project #: 1058.01.02 Project Name: 44851 NORTH HIGHWAY 101
Project Location: LAYTONVILLE
Sampler Signature: Don McEdwards

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED Ice	HCl	HNO_3	Other	BTEX & TPH as Gas (602/8020 + 8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other: 5 OXYS	Other: EDB, 1,2 DCA	Comments
MW-1		12/5/05	1730	4	VOA	✓					✓	✓			✓															✓	✓	
"			"	1	LTR	✓					✓	✓				✓																
MW-2			1800	4	VOA	✓					✓	✓			✓															✓	✓	
"			"	1	LTR	✓					✓	✓				✓																
MW-3			1830	4	VOA	✓					✓	✓			✓															✓	✓	
"			"	1	LTR	✓					✓	✓				✓																
MW-4			1930	4	VOA	✓					✓	✓			✓															✓	✓	
"			"	1	LTR	✓					✓	✓				✓																
MW-5			1900	4	VOA	✓					✓	✓			✓															✓	✓	
"			"	1	LTR	✓					✓	✓				✓																
MW-6			2000	4	VOA	✓					✓	✓			✓															✓	✓	
"			"	1	LTR	✓					✓	✓				✓																
MW-7			2130	4	VOA	✓					✓	✓			✓															✓	✓	
"			"	1	LTR	✓					✓	✓				✓																

Relinquished By:	Date:	Time:	Received By:
Don McEdwards	12/6/05	0800	
Relinquished By:	Date:	Time:	Received By:
	12/7/05	8am	
Relinquished By:	Date:	Time:	Received By:

	VOAS	O&G	METALS	OTHER
ICE/t° ✓				
GOOD CONDITION ✓				
HEAD SPACE ABSENT ✓				
DECHLORINATED IN LAB				
PRESERVATION APPROPRIATE ✓				
CONTAINERS ✓				
PERSERVED IN LAB				

REC'D SEALED & INTACT VIA C/O

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EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Don McEdwards Bill To: SAME
Company: The McEdwards Group
1025 Hearst-Willits Road
Willits, CA 95490-9743 E-Mail: TMGC@INSTAWAVE.NET
Tele: (707) 459-1086 Fax: (707) 459-1084
Project #: 10580102 Project Name: 44851 NORTH HIGHWAY 101
Project Location: LAYTONVILLE
Sampler Signature: Donald G. McEdwards

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	BTEX & TPH as Gas (602/8020 + 8015)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (5520 E&F/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 601 / 8010	BTEX ONLY (EPA 602 / 8020)	EPA 608 / 8080	EPA 608 / 8080 PCB's ONLY	EPA 624 / 8240 / 8260	EPA 625 / 8270	PAH's / PNA's by EPA 625 / 8270 / 8310	CAM-17 Metals	LUFT 5 Metals	Lead (7240/7421/239.2/6010)	RCI	Other: 5 OXY'S ~~[illegible]~~	Other: EDB & 1,2 DCA			Comments
+ MW-8		12/5/05	2100	4	VOA	✓					✓	✓			✓															✓	✓			
"			"	1	LTR	✓					✓	✓				✓																		
+ MW-9			2030	4	VOA	✓					✓	✓			✓															✓	✓			
"			"	1	LTR	✓					✓	✓				✓																		
+ MW-10			2200	4	VOA	✓					✓	✓			✓															✓	✓			
"			"	1	LTR	✓					✓	✓				✓																		
+ MW-11			1630	4	VOA	✓					✓	✓			✓															✓	✓			
"			"	1	LTR	✓					✓	✓				✓																		
+ MW-12			1600	4	VOA	✓					✓	✓			✓															✓	✓			
"			"	1	LTR	✓					✓	✓				✓																		
MW-13			1700	4	VOA	✓					✓	✓			✓															✓	✓			
+ "			"	1	LTR	✓					✓	✓				✓																		

Relinquished By:	Date:	Time:	Received By:
Don McEdwards	12/6/05	0800	
Relinquished By:	Date: 12/7/05	Time: 8am	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° ✓ GOOD CONDITION ✓ HEAD SPACE ABSENT ✓ DECHLORINATED IN LAB ____ PERSERVED IN LAB ____

PRESERVATION ✓ APPROPRIATE ✓ CONTAINERS ✓

VOAS	O&G	METALS	OTHER
✓	✓		

REC'D SEALED & INTACT VIA ____

Well Purging and Sampling Record

The McEdwards Group, 1025 Hearst-Willits Road, Willits, CA 95490
Tel: 707/459-1086 Fax: 707/459-1084
Field work done by Donald G. McEdwards

Site Name 44851 N. HWY 101 Project No 10580.102 Date 12/5/05

Five casing volumes (5CV) = water column (WC) in ft * 0.816 (5/6) gal/ft for 2" well [3.26 (10/3) gal/ft for 4" well]

MW 1 Depth[a] 20 WL[b] 6.90 WC[a-b] 13.10 5CV 10.68

Gal	pH	Cond	ORP	D O	Temp
2	6.35	356	38	0.69	19.2
4	6.31	350	62	0.62	19.3
6	6.28	345	61	0.79	19.4
8	6.26	341	93	0.87	19.5
10	6.29	340	99	1.07	19.5
12	6.28	336	104	1.25	19.5
14	6.26	331	110	1.32	19.5

Purged Gallons: 14 Time Sampled 1730

MW 2 Depth[a] 20 WL[b] 6.63 WC[a-b] 13.37 5CV 10.91

Gal	pH	Cond	ORP	D O	Temp
2	6.15	372	123	0.66	17.6
4	6.16	369	131	0.78	17.6
6	6.15	374	139	0.20	17.7
8	6.16	372	143	1.39	17.7
10	6.16	369	148	1.52	17.7
12	6.17	371	151	1.58	17.7

Purged Gallons: 12 Time Sampled 1800

MW 3 Depth[a] 20 WL[b] 5.18 WC[a-b] 14.82 5CV 12.09

Gal	pH	Cond	ORP	D O	Temp
2	6.47	456	70	0.97	17.2
4	6.44	431	83	2.66	17.3
6	6.49	470	70	1.76	17.5
8	6.49	451	85	2.59	17.6
10	DRY @	8 1/2			
12					

Purged Gallons: 8.5 Time Sampled 1830

MW 4 Depth[a] 20 WL[b] 5.11 WC[a-b] 14.89 5CV 12.15

Gal	pH	Cond	ORP	D O	Temp
2	6.62	510	-4	0.88	18.7
4	6.46	547	-1	0.34	19.0
6	6.64	561	-50	0.44	19.3
8	6.67	562	-59	0.47	19.2
10	6.69	549	-63	EMPTY @ 10	
12					

Purged Gallons: 10 Time Sampled 1930

MW 5 Depth[a] 20 WL[b] 4.36 WC[a-b] 15.64 5CV ____

Gal	pH	Cond	ORP	D O	Temp
2	6.79	533	-17	0.18	16.2
4	6.74	529	-10	0.80	16.2
6	6.75	528	-3	1.28	16.2
8	6.76	531	+1	1.36	16.3
10	6.77	534	+7	1.54	16.3
12	6.78	522	+9	1.53	16.3

Purged Gallons: 12 Time Sampled 1900

MW 6 Depth[a] 20 WL[b] 4.44 WC[a-b] 15.56 5CV 12.69

Gal	pH	Cond	ORP	D O	Temp
2	6.71	591	-13	0.61	19.9
4	6.69	571	-13	0.81	19.2
6	6.69	573	-11	0.88	19.4
8	6.72	586	-12	0.92	19.5
10	6.73	589	-14	1.06	19.5
12	6.73	592	-15	1.11	19.5

Purged Gallons: ~~12~~ 12 Time Sampled 2000

MW 7 Depth[a] 20 WL[b] ~~3.91~~ 4.27 WC[a-b] 16.09 5CV 13.12

Gal	pH	Cond	ORP	D O	Temp
2	6.66	559	-17	1.36	19.7
4	6.85	540	-13	3.83	20.0
6	6.65	565	-30	2.31	20.6
8	6.67	583	-28	3.63	20.7
10	DRY @ 8 1/2				
12					

Purged Gallons: 8.5 Time Sampled 2030

MW 8 Depth[a] 20 WL[b] 4.15 WC[a-b] 15.85 5CV 12.83

Gal	pH	Cond	ORP	D O	Temp
2	6.46	648	5	1.18	20.0
4	6.49	657	18	2.50	20.1
	DRY @ 5 1/2				

Purged Gallons: 5.5 Time Sampled 2100

Well Purging and Sampling Record

The McEdwards Group, 1025 Hearst-Willits Road, Willits, CA 95490
Tel: 707/459-1086 Fax: 707/459-1084
Field work done by Donald G. McEdwards

Site Name 44851 N. HWY 101 Project No. 1058.01.02 Date 12/5/05

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MW ~~8~~ 7 Depth[a] 20 WL[b] ~~4.27~~ 3.91 WC[a-b] 16.09 5CV 13.12

Gal	pH	Cond	ORP	DO	Temp
2	6.74	402	21	2.22	18.3
4	6.66	374	32	2.53	18.3
6	6.50	327	48	2.58	18.2
8	6.47	317	56	2.67	18.1
10	6.46	301	63	2.70	18.2
12	6.46	298	65	2.82	18.1

Purged Gallons: 12 Time Sampled 2130

MW 10 Depth[a] 20 WL[b] 5.19 WC[a-b] 14.81 5CV 12.08

Gal	pH	Cond	ORP	DO	Temp
2	6.66	560	-42	1.09	20.5
4	6.66	574	-50	1.28	20.5
6	6.66	559	-54	1.46	20.6
8	6.67	546	-54	1.14	20.6
10	6.67	580	-54	1.70	20.7
12	6.67	581	-53	1.74	20.7

Purged Gallons: 12 Time Sampled 2200

MW 11 Depth[a] 20 WL[b] 6.01 WC[a-b] 13.99 5CV 11.33

Gal	pH	Cond	ORP	DO	Temp
2	6.33	404	-26	0.12	18.9
4	6.35	401	-26	0.12	19.0
6	6.40	380	-27	0.21	19.2
8	6.38	376	-22	0.58	19.3
10	6.39	379	-22	0.64	19.3
12	6.39	370	-20	0.69	19.3

Purged Gallons: 12 Time Sampled 1630

MW 12 Depth[a] 20 WL[b] 5.78 WC[a-b] 14.22 5CV 11.60

Gal	pH	Cond	ORP	DO	Temp
2	6.39	479	+4	0.87	19.7
4	6.59	489	+9	1.41	19.9
6	6.70	441	+7	1.26	20.2
8	6.61	465	+13	1.36	20.2
10	6.44	462	+16	1.66	20.3
12	6.38	460	+18	1.68	20.3

Purged Gallons: 12 Time Sampled 1600

MW 13 Depth[a] 20 WL[b] 6.22 WC[a-b] 13.78 5CV 11.24

Gal	pH	Cond	ORP	DO	Temp
2	6.58	351	17	1.54	19.7
4	6.55	366	36	1.99	19.8
6	6.50	378	16	2.15	20.0
8	6.48	390	2	2.21	20.1
10	6.49	394	-6	2.35	20.1
12	6.47	396	-8	2.36	20.1

Purged Gallons: 12 Time Sampled 1700

MW __ Depth[a] ___ WL[b] ___ WC[a-b] ___ 5CV ___

Gal	pH	Cond	ORP	DO	Temp

Purged Gallons: ___ Time Sampled ___

MW __ Depth[a] ___ WL[b] ___ WC[a-b] ___ 5CV ___

Gal	pH	Cond	ORP	DO	Temp

Purged Gallons: ___ Time Sampled ___

MW __ Depth[a] ___ WL[b] ___ WC[a-b] ___ 5CV ___

Gal	pH	Cond	ORP	DO	Temp

Purged Gallons: ___ Time Sampled ___

MW __ Depth[a] ___ WL[b] ___ WC[a-b] ___ 5CV ___

Gal	pH	Cond	ORP	DO	Temp

Purged Gallons: ___ Time Sampled ___