ECM group

January 17, 2011

Bob Legallet
Telegraph Business Properties
1401 Griffith Street
San Francisco, CA 94124

Groundwater Monitoring Report and Case Closure Proposal
Fourth Quarter 2010
Telegraph Business Park
5427 Telegraph Avenue
Oakland, California
ECM Project #07-181-04

Dear Mr. Legallet:

This report provides the results of the semi-annual groundwater monitoring at Telegraph Business Park, 5427 Telegraph Avenue, Oakland, California (Figure 1, Appendix A). On December 7 and 20, 2010, ECM personnel visited the site. Groundwater elevations were measured and groundwater samples were collected from the five monitoring wells (MW-1 through MW-5). During the initial visit on December 7 well MW-2 was inaccessible due to a parked car above the well. On December 20 ECM personnel returned to the site to obtain a sample from well MW-2. Well locations are shown on Figure 2 (Appendix A).

Depth to groundwater was measured in each of the five wells. Free-phase hydrocarbons were not measured or observed in any of the wells. Water level data and well construction details are tabulated in Table 1 (Appendix B). A groundwater elevation contour map is included as Figure 2 (Appendix A). Groundwater flow was to the west and southwest at an approximate gradient of 0.016 - 0.03 ft/ft, consistent with previous monitoring events.

The samples were forwarded under chain of custody record to Torrent Laboratory Inc., of Milpitas, California, for analysis. Analytical results for groundwater are presented in Tables 2 and 3 (Appendix B). The chain of custody document and laboratory analytical reports are included in Appendix C. Groundwater samples were collected in accordance with ECM Standard Operating Procedure - Groundwater Sampling (Appendix E). The water sampling data sheets are included in Appendix D. Purge water and decon rinseate are stored onsite in DOT-approved 50-gallon drums pending transportation and disposal at an appropriate disposal facility.

p.o. box 802, benicia, ca. 94510-0802 ≫ 707-751-0655 ≫ 707-751-0653 (fax)

Fourth Quarter 2010 Groundwater Monitoring Results:

In accordance with a guidance letter from Alameda County dated October 27, 2008, samples from site wells were analyzed for Stoddard solvent, Total Petroleum Hydrocarbons as Gasoline (TPH[G]), benzene, toluene, ethylbenzene and xylenes (BTEX), for the oxygenates MTBE, ETBE, DIPE, TAME, and TBA, and for the lead scavengers EDB and EDC.

A Five-Year-Review by the State Water Resources Control Board (SWRCB), dated December 28, 2010, recommended the site be considered for low-risk closure. The SWRCB also recommended one round of groundwater monitoring using EPA method 8260B (Full Suite) to identify any chlorinated solvents. The analytical laboratory analyzed samples from the December 2010 monitoring event by EPA method 8260B (Full Suite).

Source Area Well: MW-2

Monitoring well MW-2 is located near the former site USTs. Concentrations of TPH(G) and Stoddard solvent (1,600 and 12,000 ppb respectively) in well MW-2 were consistent with previous results. Benzene was also detected at 13 ppb. Other BTEX constituents were not detected in the sample. No oxygenates or lead scavengers were detected in the fourth quarter 2010 sample from well MW-2.

Up-gradient Well: MW-1

Well MW-1 is located up-gradient of the former site USTs. Stoddard solvent, although typically detected in well MW-1, was not detected in the fourth quarter 2010 sample. TPH(G) was detected at a concentration of 610 ppb. BTEX constituents, oxygenates, and lead scavengers were not detected in the fourth quarter 2010 sample from well MW-1.

Down-gradient Well: MW-3

Well MW-3 is located down-gradient of the former site USTs. TPH(G) and Stoddard solvent were detected in well MW-3 at 2,000 ppb and 330 ppb, respectively. Benzene was also detected in the sample at 4.4 ppb. No other analytes were detected in the fourth quarter 2010 sample from well MW-3.

Offsite Down-gradient Wells: MW-4 and MW-5

Wells MW-4 and MW-5 are located offsite and down-gradient of the former USTs. These wells were installed in April 2010 to verify the horizontal extent of the plume. No analytes were detected in the fourth quarter 2010 samples from wells MW-4 and MW-5.

Case Closure Proposal

Case closure was recommended in the July 20, 2010 Subsurface Investigation Report for the following reasons:

1.) Results of site investigations demonstrate that all potential exposure pathways at this site are incomplete.

2.) Due to the lack of analytes in soil or groundwater downgradient of the site, there is no potential risk to indoor air in buildings downgradient of the site.

3.) Sub-slab samples demonstrate that ESLs for soil gas have not been exceeded in the onsite building, so there is no potential risk to indoor air in on-site buildings.

4.) The 1997 sensitive receptor survey indicated that groundwater in the area is not being used as a source of drinking water. Due to the heavily urban character of the surrounding area, the proximity of San Francisco Bay, and the availability of municipal water, the potential for future development of groundwater as a drinking water source is virtually nonexistent.

5.) Site conditions do not present a potential threat to human health or safety, or to the environment.

6.) Residual hydrocarbons in soil and groundwater will continue to degrade.

The July 20, 2010 Subsurface Investigation Report recommended that site monitoring wells be sampled one more time prior to closure. In a five year site review dated December 28, 2010, SWRCB staff concurred with the closure recommendation. SWRCB staff recommended that, prior to closure, one additional round of groundwater monitoring be performed, and that samples be analyzed by EPA Method 8260 B to identify any chlorinated solvents. Samples collected during the December 2010 monitoring event were analyzed by EPA Method 8260 B, and no chlorinated compounds were detected. Accordingly, case closure is once again recommended for the site.

Thank you for allowing ECM the opportunity to provide environmental services to you. Please contact us if you have questions or require additional information.

Sincerely,
ECM Group

Rachel Guptel
Staff Scientist

Jim Green
Professional Engineer # C058482

Appendices:

A - Figures
B - Tables
C - Chain of Custody and Laboratory Analytical Report
D - Water Sampling Data Sheets
E - Standard Operating Procedures
F - Responsible Party Certification

cc: Barbara J. Jakub, Alameda County Health Care Services Agency
Leroy Griffin, Oakland Fire Department

APPENDIX A

FIGURES

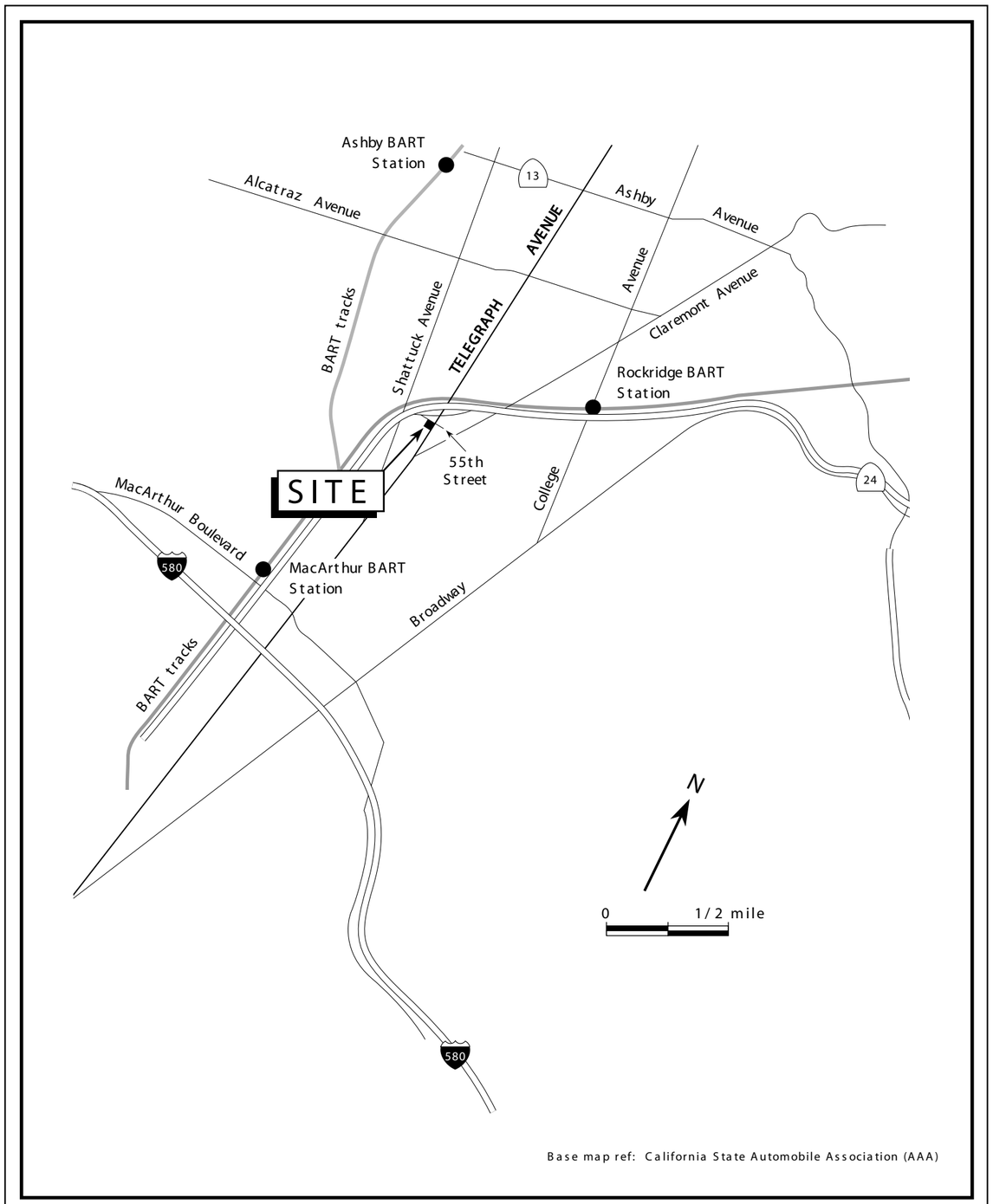

Figure 1. Site Location Map – Telegraph Business Park, 5427 Telegraph Avenue, Oakland, California

07-181-04 [Site loc] 1/19/09

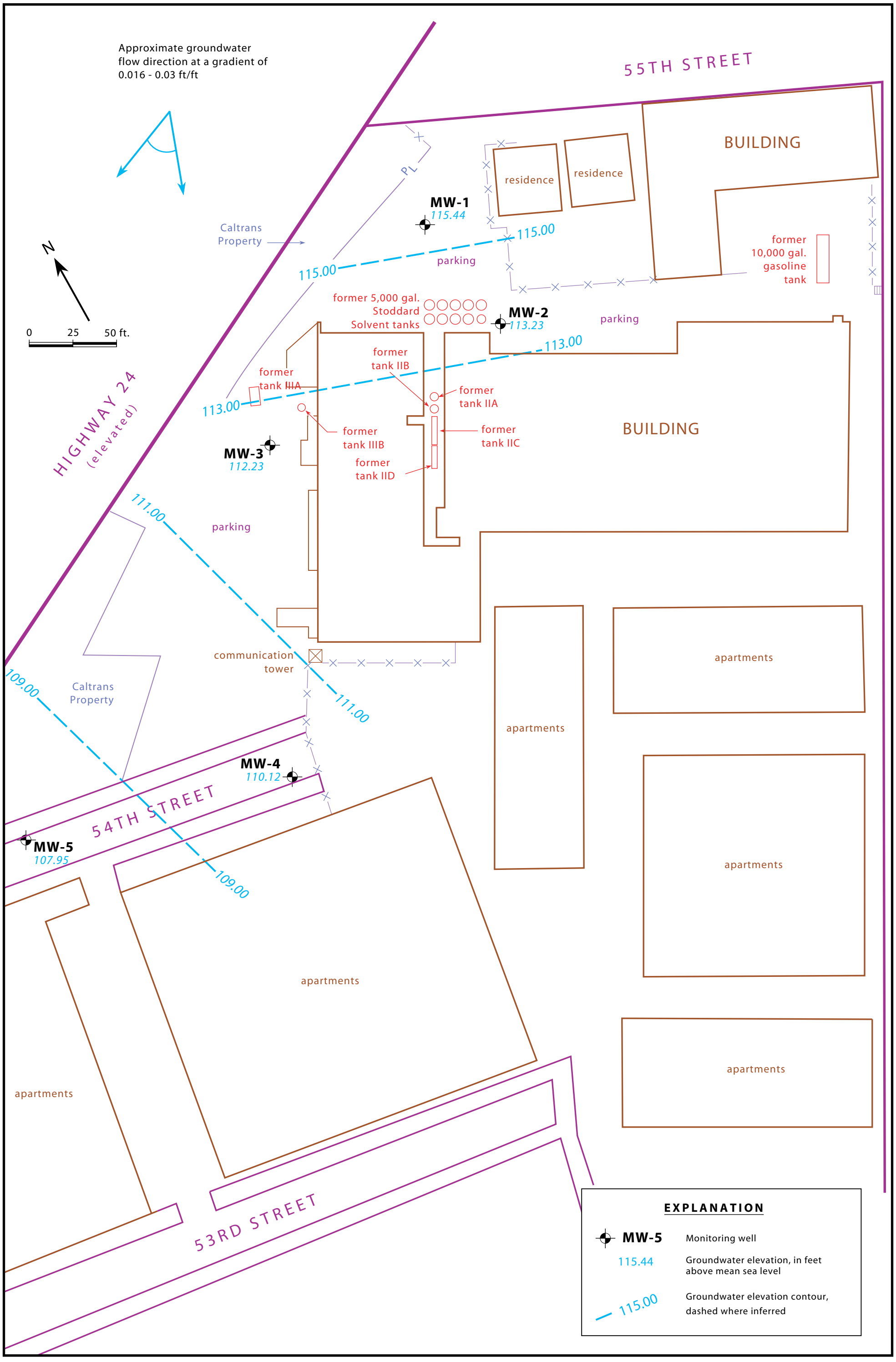

Figure 2. Monitoring Well Location and Groundwater Elevation Contour Map - December 7, 2010 - Telegraph Business Park, 5427 Telegraph Avenue, Oakland, California

07-181-04 [GW 12-10] 12/17-/10

APPENDIX B

TABLES

Table 1. Monitoring Well Survey Data, Well Construction Details, and Depth to Groundwater - 5427 Telegraph Avenue, Oakland, California.

Well ID	Date	DTW (Ft)	TOC (Ft, msl)	GWE (Ft, msl)	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval	Notes
MW-1	1/5/1994	6.40	115.05	108.65	5 - 20	4 - 20	0 - 4	
	2/1/1994	5.93		109.12				
	3/2/1994	5.09		109.96				
	4/6/1994	5.85		109.20				
	5/4/1994	6.37		108.68				
	6/3/1994	6.95		108.10				
	7/7/1994	7.00		108.05				
	8/3/1994	7.30		107.75				
	9/7/1994	7.70		107.35				
	10/11/1994	7.62		107.43				
	1/20/1995	4.78		110.27				
	4/7/1995	5.96		109.09				
	7/26/1995	7.19		107.86				
	10/25/1995	7.74		107.31				
	1/29/1996	4.67		110.38				
	4/26/1996	5.92		109.13				
	7/25/1996	7.10		107.95				
	10/28/1996	7.41		107.64				
	12/4/2008	7.10	120.65	113.55				See Note 1
	8/28/2009	7.65		113.00				
	12/1/2009	7.15		113.50				
	6/9/2010	5.95		114.70				
	12/7/2010	**5.21**		**115.44**				
MW-2	1/5/1994	9.42	117.60	108.18	7 - 27	6 - 27	0 - 6	
	2/1/1994	9.15		108.45				
	3/2/1994	9.55		108.05				
	4/6/1994	9.09		108.51				
	5/4/1994	9.18		108.42				
	6/3/1994	9.44		108.16				
	7/7/1994	10.21		107.39				
	8/3/1994	10.96		106.64				
	9/7/1994	10.20		107.40				
	10/11/1994	10.18		107.42				
	1/20/1995	8.64		108.96				

Table 1. Monitoring Well Survey Data, Well Construction Details, and Depth to Groundwater - 5427 Telegraph Avenue, Oakland, California.

Well ID	Date	DTW (Ft)	TOC (Ft, msl)	GWE (Ft, msl)	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval	Notes
MW-2 cont.	4/7/1995	9.84	117.60	107.76	7 - 27	6 - 27	0 - 6	
	7/26/1995	10.55		107.05				
	10/25/1995	10.15		107.45				
	1/29/1996	9.35		108.25				
	4/26/1996	8.57		109.03				
	7/25/1996	10.73		106.87				
	10/28/1996	10.16		107.44				
	12/4/2008	10.84	123.36	112.52				See Note 1
	8/28/2009	11.58		111.78				
	12/1/2009	11.06		112.30				
	6/9/2010	11.26		112.10				
	12/7/2010	**10.13**		**113.23**				
MW-3	1/5/1994	10.14	115.33	105.19	5 - 20	4 - 20	0 - 4	
	2/1/1994	8.92		106.41				
	3/2/1994	7.56	115.14	107.58				Note 2: Wells resurveyed on 3/4/94 by Ronald C. Miller, pls 15816
	4/6/1994	10.24		104.90				
	5/4/1994	9.67		105.47				
	6/3/1994	10.38		104.76				
	7/7/1994	11.55		103.59				
	8/3/1994	11.76		103.38				
	9/7/1994	12.20		102.94				
	10/11/1994	12.02		103.12				
	1/20/1995	6.47		108.67				
	4/7/1995	7.98		107.16				
	7/26/1995	11.33		103.81				
	10/25/1995	12.29		102.85				
	1/29/1996	6.28		108.86				
	4/26/1996	9.09		106.05				
	7/25/1996	12.06		103.08				
	10/28/1996	12.32		102.82				
	12/4/2008	11.82	120.91	109.09				See Note 1
	8/28/2009	13.16		107.75				
	12/1/2009	11.43		109.48				

Table 1. Monitoring Well Survey Data, Well Construction Details, and Depth to Groundwater - 5427 Telegraph Avenue, Oakland, California.

Well ID	Date	DTW (Ft)	TOC (Ft, msl)	GWE (Ft, msl)	Screen Interval	Sand Pack Interval	Bentonite/ Grout Interval	Notes
MW-3	6/9/2010	9.80	120.91	111.11	5 - 20	4 - 20	0 - 4	
	12/7/2010	**8.68**		**112.23**				
MW-4	6/9/2010	6.79	116.44	109.65	5 - 20	4 - 20	0 - 4	well surveyed on 5/2/10 by Barry Kolstad, pls 5677
	12/7/2010	**6.32**		**110.12**				
MW-5	6/9/2010	5.60	113.03	107.43	5 - 20	4 - 20	0 - 4	well surveyed on 5/2/10 by Barry Kolstad, pls 5677
	12/7/2010	**5.08**		**107.95**				

Explanation:

DTW = Depth to Water
ft = feet
msl = Mean Sea Level
TOC = Top of Casing
GWE = Ground Water Elevation

Notes:

1 Well boxes were replaced, TOC elevations changed, and wells were resurveyed on 11/23/08 and 12/7/08 by Barry Kolstad, pls 5677

Table 2. Analytic Results for Groundwater - Hydrocarbons - 5427 Telegraph Avenue, Oakland, California

Sample ID	Sample Date	TPH-G	Stoddard Solvent	Benzene	Toluene	Ethyl-benzene	Xylenes	Notes
		<---------- parts per billion ---------->						
MW-1	1/5/1994	---	1,000	3.3	1.6	<0.3	6	
	4/6/1994	---	1,400	5.6	4.5	<0.3	11	
	7/7/1994	---	1,200	1.5	0.80	<0.3	1.9	
	10/11/1994	---	700	<0.3	<0.3	<0.3	<0.3	
	1/20/1995	---	1,500	3.9	2	<0.3	3.9	
	4/7/1995	---	500	3.2	1.1	<0.3	1.7	
	7/26/1995	---	1,500	3.1	3.2	12	16	
	10/25/1995	---	660	0.6	1.4	20	14	
	1/29/1996	---	2,500	1.8	0.7	8.0	13	
	4/26/1996	---	4,600	<2.5	<2.5	9.5	21	
	7/25/1996	---	2,200	1.6	1.6	11	51	
	10/28/1996	---	1,300	1.5	1.3	3.6	11	
	12/4/2008	540	841	<0.50	6.55	<0.50	<1.50	1
	8/28/2009	510	169	<0.50	6.55	<0.50	<1.50	2
	12/1/2009	<220	480	<2.2	<2.2	<2.2	<6.6	3
	6/9/2010	610	410	<2.2	<2.2	<2.2	<6.6	5
	12/7/2010	**610**	**<100**	**<2.2**	**<2.2**	**<2.2**	**<6.6**	6,8
MW-2	1/5/1994	---	35,000	12	38	<3.0	150	
	4/6/1994	---	94,000	21	22	<6.0	110	
	7/7/1994	---	---	16	16	<1.5	1,510	
	7/11/1994	---	43,000	---	---	---	---	
	10/11/1994	---	31,000	17	13	14	0.3	
	1/20/1995	---	26,000	18	13	12	50	
	4/7/1995	---	70,000	17.5	11	<0.6	74.6	
	7/26/1995	---	21,000	17	<0.5	26	94	
	10/25/1995	---	38,000	63	70	440	1,100	
	1/29/1996	---	74,000	7.4	8.6	66	330	
	4/26/1996	---	81,000	<250	<250	3,100	15,000	
	7/25/1996	---	48,000	17	9.4	59	200	
	10/28/1996	---	6,200	19	30	58	310	
	12/4/2008	6,300	120,000	<22.0	<22.0	<22.0	<66.0	1
	8/28/2009	3,600	19,500	16	0.69	<0.50	<1.50	2
	12/1/2009	440	4,000	12	<4.4	<4.4	13	3
	6/9/2010	5,000	69,000	17	<4.4	<4.4	<13.2	5

Table 2. Analytic Results for Groundwater - Hydrocarbons - 5427 Telegraph Avenue, Oakland, California

Sample ID	Sample Date	TPH-G	Stoddard Solvent	Benzene	Toluene	Ethyl-benzene	Xylenes	Notes
		<---------- parts per billion ---------->						
MW-2	**12/20/2010**	**1,600**	**12,000**	**13**	**<2.2**	**<2.2**	**<6.6**	5,8
MW-3	1/5/1994	---	1,100	180	20	85	10	
	4/6/1994	---	1,000	140	13	60	<12	
	7/7/1994	---	---	120	7.5	8.0	<3.0	
	7/11/1994	---	1,000	---	---	---	---	
	10/11/1994	---	1,100	200	11	23	<0.3	
	1/20/1995	---	2,100	36	3.5	4.8	<0.3	
	4/7/1995	---	600	32.7	1.7	4.7	1.9	
	7/26/1995	---	1,200	98	3.2	12	16	
	10/25/1995	---	2,300	32	3.4	4.7	9.6	
	1/29/1996	---	1,100	22	1.2	6.4	12	
	4/26/1996	---	1,300	5.6	0.6	4.6	14	
	7/25/1996	---	2,900	120	6.4	23	36	
	10/28/1996	---	2,000	170	6.6	16	26	
	12/4/2008	1,600	708	1.15	<0.50	0.720	<1.50	1
	8/28/2009	2,200	434	2.8	0.66	1.6	<1.50	2
	12/1/2009	3,900	<220	2.2	<2.2	<2.2	<6.6	2,4
	6/9/2010	3,100	990	5.5	<2.2	<2.2	<6.6	2
	12/7/2010	**2,000**	**330**	**4.4**	**<4.4**	**<4.4**	**<13.2**	6,7,8
MW-4	6/14/2010	<50	<100	<0.50	<0.50	<0.50	<1.50	
	12/7/2010	**<50**	**<100**	**<0.50**	**<0.50**	**<0.50**	**<1.50**	8
MW-5	6/9/2010	<50	<100	<0.50	<0.50	<0.50	<1.50	
	12/7/2010	**<50**	**<100**	**<0.50**	**<0.50**	**<0.50**	**<1.50**	8

Table 2. Analytic Results for Groundwater - Hydrocarbons - 5427 Telegraph Avenue, Oakland, California

Sample ID	Sample Date	TPH-G	Stoddard Solvent	Benzene	Toluene	Ethyl-benzene	Xylenes	Notes
		<---------- parts per billion ---------->						

Explanation:

TPH-G = Gasoline

--- = not analyzed

Notes:

1 TPH(G) was not reported prior to 2008. Samples were analyzed for TPH(D) and Oil&Grease prior to 2008. See report: Sierra Enironmental Services, 1996, Quarterly Monitoring Report, Telegraph Business Park, 5427 Telegraph Avenue, Oakland, California, December 26, 1996.

2 Sample chromatogram does not resemble gasoline standard pattern. Reported TPH value due to the presence of non-target heavy end hydrocarbons within range of C5-C12 quantified as gasoline.

3 The reporting limits were raised due to a high concentration of heavy end hydrocarbons within range quantified as Mineral Spirits.

4 The reporting limits were raised due to contribution of unidentified hydrocarbons within the C5-C12 range quantified as gasoline.

5 Results not typical of Gasoline standard pattern. Result reported as Gasoline but pattern best matches Mineral Spirits/Stoddard Solvent.

6 Hydrocarbons within C5-C12 range quantified as gasoline but pattern does not match reference gasoline standard (possibly heavily aged gasoline).

7 Not typical of stoddard standard pattern (possibly aged stoddard).

8 Sample analyzed for VOCs by EPA method 8260B. No chlorinated solvents detected. See analytical laboratory report (Appendix C) for reporting limits.

Table 3. Analytic Results for Groundwater - Oxygenates - 5427 Telegraph Avenue, Oakland, California

Sample ID	Sample Date	MTBE	DIPE	ETBE	TAME	TBA	EDB	EDC (1,2 DCA)	Notes
		<---------- parts per billion ---------->							
MW-1	1/5/1994	---	---	---	---	---	---	<0.2	
	4/6/1994	---	---	---	---	---	---	<0.2	
	7/7/1994	---	---	---	---	---	---	<0.5	
	10/11/1994	---	---	---	---	---	---	<2	
	1/20/1995	---	---	---	---	---	---	<2	
	4/7/1995	---	---	---	---	---	---	0.5	
	7/26/1995	---	---	---	---	---	---	<0.5	
	10/25/1995	---	---	---	---	---	---	<0.5	
	1/29/1996	---	---	---	---	---	---	<0.5	
	4/26/1996	---	---	---	---	---	---	<0.5	
	7/25/1996	---	---	---	---	---	---	<0.5	
	10/28/1996	---	---	---	---	---	---	<0.5	
	12/4/2008	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	1
	8/28/2009	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	
	12/1/2009	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	
	6/9/2010	<2.2	<2.2	<2.2	<2.2	<22	<2.2	<2.2	
	12/7/2010	**<2.2**	**<2.2**	**<2.2**	**<2.2**	**<22**	**<2.2**	**<2.2**	2
MW-2	1/5/1994	---	---	---	---	---	---	2.7	
	4/6/1994	---	---	---	---	---	---	<0.2	
	7/7/1994	---	---	---	---	---	---	0.60	
	10/11/1994	---	---	---	---	---	---	<2	
	1/20/1995	---	---	---	---	---	---	<2	
	4/7/1995	---	---	---	---	---	---	1.4	
	7/26/1995	---	---	---	---	---	---	<0.5	
	10/25/1995	---	---	---	---	---	---	<0.5	
	1/29/1996	---	---	---	---	---	---	<0.5	
	4/26/1996	---	---	---	---	---	---	<0.5	
	7/25/1996	---	---	---	---	---	---	<0.5	
	10/28/1996	---	---	---	---	---	---	<2.5	
	12/4/2008	<22.0	<22.0	<22.0	<22.0	<440	<22.0	<22.0	1
	8/28/2009	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	
	12/1/2009	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	<4.4	
	6/9/2010	<4.4	<4.4	<4.4	<4.4	<44	<4.4	<4.4	

Table 3. Analytic Results for Groundwater - Oxygenates - 5427 Telegraph Avenue, Oakland, California

Sample ID	Sample Date	MTBE	DIPE	ETBE	TAME	TBA	EDB	EDC (1,2 DCA)	Notes
		<---------- parts per billion ---------->							
MW-2	**12/7/2010**	**<2.2**	**<2.2**	**<2.2**	**<2.2**	**<22**	**<2.2**	**<2.2**	2
MW-3	1/5/1994	---	---	---	---	---	---	0.20	
	4/6/1994	---	---	---	---	---	---	<0.2	
	7/7/1994	---	---	---	---	---	---	<0.5	
	10/11/1994	---	---	---	---	---	---	<2	
	1/20/1995	---	---	---	---	---	---	<2	
	4/7/1995	---	---	---	---	---	---	0.7	
	7/26/1995	---	---	---	---	---	---	<0.5	
	10/25/1995	---	---	---	---	---	---	<0.5	
	1/29/1996	---	---	---	---	---	---	<0.5	
	4/26/1996	---	---	---	---	---	---	<0.5	
	7/25/1996	---	---	---	---	---	---	<0.5	
	10/28/1996	---	---	---	---	---	---	<0.5	
	12/4/2008	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	1
	8/28/2009	<0.50	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	
	12/1/2009	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	
	6/9/2010	<2.2	<2.2	<2.2	<2.2	<22	<2.2	<2.2	
	12/7/2010	**<4.4**	**<4.4**	**<4.4**	**<4.4**	**<44**	**<4.4**	**<4.4**	2
MW-4	6/14/2010	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	
	12/7/2010	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	2
MW-5	6/9/2010	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	
	12/7/2010	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	2

Table 3. Analytic Results for Groundwater - Oxygenates - 5427 Telegraph Avenue, Oakland, California

Sample ID	Sample Date	MTBE	DIPE	ETBE	TAME	TBA	EDB	EDC (1,2 DCA)	Notes
		<---------- parts per billion ---------->							

Explanation:

MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether
ETBE = Ethyl tertiary butyl ether
TAME = Tertiary amyl methyl ether
TBA = Tertiary butyl alcohol
EDB = 1,2-Dibromoethane
EDC = 1,2-Dichloroethane

Notes:

1 MTBE, DIPE, ETBE, TAME, TBA and EDB were not reported prior to 2008. Samples were analyzed for Halogenated Volatile Organic Compounds (HVOCs) and Volatile Organic Compounds (VOCs) prior to 2008. See report: Sierra Enironmental Services, 1996, Quarterly Monitoring Report, Telegraph Business Park, 5427 Telegraph Avenue, Oakland, California, December 26, 1996.

2 Sample analyzed for VOCs by EPA method 8260B. No chlorinated solvents detected. See analytical laboratory report (Appendix C) for reporting limits.

APPENDIX C

CHAIN OF CUSTODY
AND
LABORATORY ANALYTICAL REPORTS

ECM Group
290 West Channel
Benicia, California 94510
Tel: 707-751-0655
Fax: 707-751-0653
Email: rguptel@ecmgrp.com

RE: 5427 Telegraph

Work Order No.: 1012045

Dear Rachel Guptel:

Torrent Laboratory, Inc. received 4 sample(s) on December 08, 2010 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Patti Sandrock

January 04, 2011
Date

Date: 1/4/2011

Client: ECM Group

Project: 5427 Telegraph

Work Order: 1012045

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

REVISIONS:

Per client request, report revised to include full list 8260B data.

Rev 1 (1/4/11)

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Rachel Guptel
ECM Group

Date Received: 12/08/10
Date Reported: 01/04/11

MW-1 1012045-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH(Gasoline)	8260TPH	4.4	95	220	610	ug/L
tert-Butylbenzene	SW8260B	4.4	1.3	2.2	4.9	ug/L

MW-3 1012045-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Stoddard	SW8015B	1	0.0287	0.10	0.33	mg/L
TPH(Gasoline)	8260TPH	8.8	190	440	2000	ug/L
Benzene	SW8260B	8.8	2.9	4.4	4.4	ug/L
Isopropyl Benzene	SW8260B	8.8	2.5	4.4	40	ug/L
n-Propylbenzene	SW8260B	8.8	2.6	4.4	47	ug/L
tert-Butylbenzene	SW8260B	8.8	2.5	4.4	15	ug/L
sec-Butyl Benzene	SW8260B	8.8	2.1	4.4	18	ug/L
n-Butylbenzene	SW8260B	8.8	2.8	4.4	11	ug/L

MW-4 1012045-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

MW-5 1012045-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Rachel Guptel
ECM Group

Date Received: 12/08/10
Date Reported: 01/04/11

Client Sample ID:	MW-1	**Lab Sample ID:**	1012045-001A
Project Name/Location:	5427 Telegraph	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	12/07/10 /		
Tag Number:	5427 Telegraph		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	12/13/10	4.4	1.8	2.2	ND		ug/L	403255	NA
Chloromethane	SW8260B	NA	12/13/10	4.4	1.8	2.2	ND		ug/L	403255	NA
Vinyl Chloride	SW8260B	NA	12/13/10	4.4	1.6	2.2	ND		ug/L	403255	NA
Bromomethane	SW8260B	NA	12/13/10	4.4	1.6	2.2	ND		ug/L	403255	NA
Trichlorofluoromethane	SW8260B	NA	12/13/10	4.4	1.5	2.2	ND		ug/L	403255	NA
1,1-Dichloroethene	SW8260B	NA	12/13/10	4.4	1.3	2.2	ND		ug/L	403255	NA
Freon 113	SW8260B	NA	12/13/10	4.4	1.7	2.2	ND		ug/L	403255	NA
Methylene Chloride	SW8260B	NA	12/13/10	4.4	0.77	22	ND		ug/L	403255	NA
trans-1,2-Dichloroethene	SW8260B	NA	12/13/10	4.4	1.4	2.2	ND		ug/L	403255	NA
MTBE	SW8260B	NA	12/13/10	4.4	1.7	2.2	ND		ug/L	403255	NA
tert-Butanol	SW8260B	NA	12/13/10	4.4	6.6	22	ND		ug/L	403255	NA
Diisopropyl ether (DIPE)	SW8260B	NA	12/13/10	4.4	1.6	2.2	ND		ug/L	403255	NA
1,1-Dichloroethane	SW8260B	NA	12/13/10	4.4	1.2	2.2	ND		ug/L	403255	NA
ETBE	SW8260B	NA	12/13/10	4.4	1.7	2.2	ND		ug/L	403255	NA
cis-1,2-Dichloroethene	SW8260B	NA	12/13/10	4.4	1.4	2.2	ND		ug/L	403255	NA
2,2-Dichloropropane	SW8260B	NA	12/13/10	4.4	1.6	2.2	ND		ug/L	403255	NA
Bromochloromethane	SW8260B	NA	12/13/10	4.4	1.5	2.2	ND		ug/L	403255	NA
Chloroform	SW8260B	NA	12/13/10	4.4	1.3	2.2	ND		ug/L	403255	NA
Carbon Tetrachloride	SW8260B	NA	12/13/10	4.4	1.2	2.2	ND		ug/L	403255	NA
1,1,1-Trichloroethane	SW8260B	NA	12/13/10	4.4	1.4	2.2	ND		ug/L	403255	NA
1,1-Dichloropropene	SW8260B	NA	12/13/10	4.4	1.7	2.2	ND		ug/L	403255	NA
Benzene	SW8260B	NA	12/13/10	4.4	1.5	2.2	ND		ug/L	403255	NA
TAME	SW8260B	NA	12/13/10	4.4	1.4	2.2	ND		ug/L	403255	NA
1,2-Dichloroethane	SW8260B	NA	12/13/10	4.4	1.2	2.2	ND		ug/L	403255	NA
Trichloroethylene	SW8260B	NA	12/13/10	4.4	1.7	2.2	ND		ug/L	403255	NA
Dibromomethane	SW8260B	NA	12/13/10	4.4	0.92	2.2	ND		ug/L	403255	NA
1,2-Dichloropropane	SW8260B	NA	12/13/10	4.4	1.6	2.2	ND		ug/L	403255	NA
Bromodichloromethane	SW8260B	NA	12/13/10	4.4	1.0	2.2	ND		ug/L	403255	NA
2-Chloroethyl vinyl ether	SW8260B	NA	12/13/10	4.4	4.0	8.8	ND		ug/L	403255	NA
cis-1,3-Dichloropropene	SW8260B	NA	12/13/10	4.4	1.3	2.2	ND		ug/L	403255	NA
Toluene	SW8260B	NA	12/13/10	4.4	0.84	2.2	ND		ug/L	403255	NA
Tetrachloroethylene	SW8260B	NA	12/13/10	4.4	0.65	2.2	ND		ug/L	403255	NA
trans-1,3-Dichloropropene	SW8260B	NA	12/13/10	4.4	0.89	2.2	ND		ug/L	403255	NA
1,1,2-Trichloroethane	SW8260B	NA	12/13/10	4.4	0.89	2.2	ND		ug/L	403255	NA
Dibromochloromethane	SW8260B	NA	12/13/10	4.4	0.95	2.2	ND		ug/L	403255	NA
1,3-Dichloropropane	SW8260B	NA	12/13/10	4.4	0.78	2.2	ND		ug/L	403255	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Rachel Guptel
ECM Group

Date Received: 12/08/10
Date Reported: 01/04/11

Client Sample ID:	MW-1	**Lab Sample ID:**	1012045-001A
Project Name/Location:	5427 Telegraph	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	12/07/10 /		
Tag Number:	5427 Telegraph		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	12/13/10	4.4	0.86	2.2	ND		ug/L	403255	NA
Chlorobenzene	SW8260B	NA	12/13/10	4.4	0.63	2.2	ND		ug/L	403255	NA
Ethyl Benzene	SW8260B	NA	12/13/10	4.4	0.68	2.2	ND		ug/L	403255	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	12/13/10	4.4	0.44	2.2	ND		ug/L	403255	NA
m,p-Xylene	SW8260B	NA	12/13/10	4.4	0.88	4.4	ND		ug/L	403255	NA
o-Xylene	SW8260B	NA	12/13/10	4.4	0.56	2.2	ND		ug/L	403255	NA
Styrene	SW8260B	NA	12/13/10	4.4	0.87	2.2	ND		ug/L	403255	NA
Bromoform	SW8260B	NA	12/13/10	4.4	2.0	4.4	ND		ug/L	403255	NA
Isopropyl Benzene	SW8260B	NA	12/13/10	4.4	1.2	2.2	ND		ug/L	403255	NA
Bromobenzene	SW8260B	NA	12/13/10	4.4	1.7	2.2	ND		ug/L	403255	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	12/13/10	4.4	1.1	2.2	ND		ug/L	403255	NA
n-Propylbenzene	SW8260B	NA	12/13/10	4.4	1.3	2.2	ND		ug/L	403255	NA
2-Chlorotoluene	SW8260B	NA	12/13/10	4.4	1.4	2.2	ND		ug/L	403255	NA
1,3,5-Trimethylbenzene	SW8260B	NA	12/13/10	4.4	0.88	2.2	ND		ug/L	403255	NA
4-Chlorotoluene	SW8260B	NA	12/13/10	4.4	1.4	2.2	ND		ug/L	403255	NA
tert-Butylbenzene	SW8260B	NA	12/13/10	4.4	1.3	2.2	4.9		ug/L	403255	NA
1,2,3-Trichloropropane	SW8260B	NA	12/13/10	4.4	2.6	4.4	ND		ug/L	403255	NA
1,2,4-Trimethylbenzene	SW8260B	NA	12/13/10	4.4	1.5	2.2	ND		ug/L	403255	NA
sec-Butyl Benzene	SW8260B	NA	12/13/10	4.4	1.1	2.2	ND		ug/L	403255	NA
p-Isopropyltoluene	SW8260B	NA	12/13/10	4.4	1.1	2.2	ND		ug/L	403255	NA
1,3-Dichlorobenzene	SW8260B	NA	12/13/10	4.4	1.4	2.2	ND		ug/L	403255	NA
1,4-Dichlorobenzene	SW8260B	NA	12/13/10	4.4	1.6	2.2	ND		ug/L	403255	NA
n-Butylbenzene	SW8260B	NA	12/13/10	4.4	1.4	2.2	ND		ug/L	403255	NA
1,2-Dichlorobenzene	SW8260B	NA	12/13/10	4.4	1.7	2.2	ND		ug/L	403255	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	12/13/10	4.4	2.0	4.4	ND		ug/L	403255	NA
Hexachlorobutadiene	SW8260B	NA	12/13/10	4.4	0.98	2.2	ND		ug/L	403255	NA
1,2,4-Trichlorobenzene	SW8260B	NA	12/13/10	4.4	2.1	4.4	ND		ug/L	403255	NA
Naphthalene	SW8260B	NA	12/13/10	4.4	2.5	4.4	ND		ug/L	403255	NA
1,2,3-Trichlorobenzene	SW8260B	NA	12/13/10	4.4	2.3	4.4	ND		ug/L	403255	NA
(S) Dibromofluoromethane	SW8260B	NA	12/13/10	4.4	61.2	131	110		%	403255	NA
(S) Toluene-d8	SW8260B	NA	12/13/10	4.4	75.1	127	103		%	403255	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	12/13/10	4.4	64.1	120	111		%	403255	NA

NOTE: Reporting limit raised due to significant amount of hydrocarbons.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Rachel Guptel
ECM Group

Date Received: 12/08/10
Date Reported: 01/04/11

Client Sample ID:	MW-1	**Lab Sample ID:**	1012045-001A
Project Name/Location:	5427 Telegraph	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	12/07/10 /		
Tag Number:	5427 Telegraph		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	12/13/10	4.4	95	220	610	x	ug/L	403255	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	12/13/10	4.4	34	114	83.2		%	403255	NA

NOTE: x - Hydrocarbons within C5-C12 range quantified as Gasoline but pattern does not match of reference Gasoline standard (possibly heavily aged gasoline).

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Stoddard	SW8015B	12/14/10	12/14/10	1	0.0287	0.10	ND		mg/L	403271	1692
Pentacosane (S)	SW8015B	12/14/10	12/14/10	1	53.3	124	86.6		%	403271	1692

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Rachel Guptel
ECM Group

Date Received: 12/08/10
Date Reported: 01/04/11

Client Sample ID:	MW-3	**Lab Sample ID:**	1012045-002A
Project Name/Location:	5427 Telegraph	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	12/07/10 /		
Tag Number:	5427 Telegraph		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	12/13/10	8.8	3.6	4.4	ND		ug/L	403255	NA
Chloromethane	SW8260B	NA	12/13/10	8.8	3.6	4.4	ND		ug/L	403255	NA
Vinyl Chloride	SW8260B	NA	12/13/10	8.8	3.3	4.4	ND		ug/L	403255	NA
Bromomethane	SW8260B	NA	12/13/10	8.8	3.3	4.4	ND		ug/L	403255	NA
Trichlorofluoromethane	SW8260B	NA	12/13/10	8.8	3.0	4.4	ND		ug/L	403255	NA
1,1-Dichloroethene	SW8260B	NA	12/13/10	8.8	2.5	4.4	ND		ug/L	403255	NA
Freon 113	SW8260B	NA	12/13/10	8.8	3.3	4.4	ND		ug/L	403255	NA
Methylene Chloride	SW8260B	NA	12/13/10	8.8	1.5	44	ND		ug/L	403255	NA
trans-1,2-Dichloroethene	SW8260B	NA	12/13/10	8.8	2.7	4.4	ND		ug/L	403255	NA
MTBE	SW8260B	NA	12/13/10	8.8	3.3	4.4	ND		ug/L	403255	NA
tert-Butanol	SW8260B	NA	12/13/10	8.8	13	44	ND		ug/L	403255	NA
Diisopropyl ether (DIPE)	SW8260B	NA	12/13/10	8.8	3.2	4.4	ND		ug/L	403255	NA
1,1-Dichloroethane	SW8260B	NA	12/13/10	8.8	2.5	4.4	ND		ug/L	403255	NA
ETBE	SW8260B	NA	12/13/10	8.8	3.5	4.4	ND		ug/L	403255	NA
cis-1,2-Dichloroethene	SW8260B	NA	12/13/10	8.8	2.9	4.4	ND		ug/L	403255	NA
2,2-Dichloropropane	SW8260B	NA	12/13/10	8.8	3.3	4.4	ND		ug/L	403255	NA
Bromochloromethane	SW8260B	NA	12/13/10	8.8	3.0	4.4	ND		ug/L	403255	NA
Chloroform	SW8260B	NA	12/13/10	8.8	2.6	4.4	ND		ug/L	403255	NA
Carbon Tetrachloride	SW8260B	NA	12/13/10	8.8	2.3	4.4	ND		ug/L	403255	NA
1,1,1-Trichloroethane	SW8260B	NA	12/13/10	8.8	2.8	4.4	ND		ug/L	403255	NA
1,1-Dichloropropene	SW8260B	NA	12/13/10	8.8	3.5	4.4	ND		ug/L	403255	NA
Benzene	SW8260B	NA	12/13/10	8.8	2.9	4.4	4.4		ug/L	403255	NA
TAME	SW8260B	NA	12/13/10	8.8	2.8	4.4	ND		ug/L	403255	NA
1,2-Dichloroethane	SW8260B	NA	12/13/10	8.8	2.4	4.4	ND		ug/L	403255	NA
Trichloroethylene	SW8260B	NA	12/13/10	8.8	3.3	4.4	ND		ug/L	403255	NA
Dibromomethane	SW8260B	NA	12/13/10	8.8	1.8	4.4	ND		ug/L	403255	NA
1,2-Dichloropropane	SW8260B	NA	12/13/10	8.8	3.2	4.4	ND		ug/L	403255	NA
Bromodichloromethane	SW8260B	NA	12/13/10	8.8	2.0	4.4	ND		ug/L	403255	NA
2-Chloroethyl vinyl ether	SW8260B	NA	12/13/10	8.8	8.0	18	ND		ug/L	403255	NA
cis-1,3-Dichloropropene	SW8260B	NA	12/13/10	8.8	2.6	4.4	ND		ug/L	403255	NA
Toluene	SW8260B	NA	12/13/10	8.8	1.7	4.4	ND		ug/L	403255	NA
Tetrachloroethylene	SW8260B	NA	12/13/10	8.8	1.3	4.4	ND		ug/L	403255	NA
trans-1,3-Dichloropropene	SW8260B	NA	12/13/10	8.8	1.8	4.4	ND		ug/L	403255	NA
1,1,2-Trichloroethane	SW8260B	NA	12/13/10	8.8	1.8	4.4	ND		ug/L	403255	NA
Dibromochloromethane	SW8260B	NA	12/13/10	8.8	1.9	4.4	ND		ug/L	403255	NA
1,3-Dichloropropane	SW8260B	NA	12/13/10	8.8	1.6	4.4	ND		ug/L	403255	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Rachel Guptel
ECM Group

Date Received: 12/08/10
Date Reported: 01/04/11

Client Sample ID:	MW-3	**Lab Sample ID:**	1012045-002A
Project Name/Location:	5427 Telegraph	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	12/07/10 /		
Tag Number:	5427 Telegraph		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	12/13/10	8.8	1.7	4.4	ND		ug/L	403255	NA
Chlorobenzene	SW8260B	NA	12/13/10	8.8	1.3	4.4	ND		ug/L	403255	NA
Ethyl Benzene	SW8260B	NA	12/13/10	8.8	1.4	4.4	ND		ug/L	403255	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	12/13/10	8.8	0.88	4.4	ND		ug/L	403255	NA
m,p-Xylene	SW8260B	NA	12/13/10	8.8	1.8	8.8	ND		ug/L	403255	NA
o-Xylene	SW8260B	NA	12/13/10	8.8	1.1	4.4	ND		ug/L	403255	NA
Styrene	SW8260B	NA	12/13/10	8.8	1.7	4.4	ND		ug/L	403255	NA
Bromoform	SW8260B	NA	12/13/10	8.8	4.0	8.8	ND		ug/L	403255	NA
Isopropyl Benzene	SW8260B	NA	12/13/10	8.8	2.5	4.4	40		ug/L	403255	NA
Bromobenzene	SW8260B	NA	12/13/10	8.8	3.4	4.4	ND		ug/L	403255	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	12/13/10	8.8	2.2	4.4	ND		ug/L	403255	NA
n-Propylbenzene	SW8260B	NA	12/13/10	8.8	2.6	4.4	47		ug/L	403255	NA
2-Chlorotoluene	SW8260B	NA	12/13/10	8.8	2.9	4.4	ND		ug/L	403255	NA
1,3,5-Trimethylbenzene	SW8260B	NA	12/13/10	8.8	1.8	4.4	ND		ug/L	403255	NA
4-Chlorotoluene	SW8260B	NA	12/13/10	8.8	2.9	4.4	ND		ug/L	403255	NA
tert-Butylbenzene	SW8260B	NA	12/13/10	8.8	2.5	4.4	15		ug/L	403255	NA
1,2,3-Trichloropropane	SW8260B	NA	12/13/10	8.8	5.2	8.8	ND		ug/L	403255	NA
1,2,4-Trimethylbenzene	SW8260B	NA	12/13/10	8.8	2.9	4.4	ND		ug/L	403255	NA
sec-Butyl Benzene	SW8260B	NA	12/13/10	8.8	2.1	4.4	18		ug/L	403255	NA
p-Isopropyltoluene	SW8260B	NA	12/13/10	8.8	2.2	4.4	ND		ug/L	403255	NA
1,3-Dichlorobenzene	SW8260B	NA	12/13/10	8.8	2.7	4.4	ND		ug/L	403255	NA
1,4-Dichlorobenzene	SW8260B	NA	12/13/10	8.8	3.3	4.4	ND		ug/L	403255	NA
n-Butylbenzene	SW8260B	NA	12/13/10	8.8	2.8	4.4	11		ug/L	403255	NA
1,2-Dichlorobenzene	SW8260B	NA	12/13/10	8.8	3.5	4.4	ND		ug/L	403255	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	12/13/10	8.8	3.9	8.8	ND		ug/L	403255	NA
Hexachlorobutadiene	SW8260B	NA	12/13/10	8.8	2.0	4.4	ND		ug/L	403255	NA
1,2,4-Trichlorobenzene	SW8260B	NA	12/13/10	8.8	4.3	8.8	ND		ug/L	403255	NA
Naphthalene	SW8260B	NA	12/13/10	8.8	5.0	8.8	ND		ug/L	403255	NA
1,2,3-Trichlorobenzene	SW8260B	NA	12/13/10	8.8	4.6	8.8	ND		ug/L	403255	NA
(S) Dibromofluoromethane	SW8260B	NA	12/13/10	8.8	61.2	131	107		%	403255	NA
(S) Toluene-d8	SW8260B	NA	12/13/10	8.8	75.1	127	109		%	403255	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	12/13/10	8.8	64.1	120	105		%	403255	NA

NOTE: Reporting limit raised due to significant amount of hydrocarbons

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Rachel Guptel
ECM Group

Date Received: 12/08/10
Date Reported: 01/04/11

Client Sample ID:	MW-3	**Lab Sample ID:**	1012045-002A
Project Name/Location:	5427 Telegraph	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	12/07/10 /		
Tag Number:	5427 Telegraph		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	12/13/10	8.8	190	440	2000	x	ug/L	403255	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	12/13/10	8.8	34	114	80.2		%	403255	NA

NOTE: x - Hydrocarbons within C5-C12 range quantified as Gasoline but pattern does not match of reference Gasoline standard (possibly heavily aged gasoline).

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Stoddard	SW8015B	12/14/10	12/14/10	1	0.0287	0.10	0.33	x	mg/L	403271	1692
Pentacosane (S)	SW8015B	12/14/10	12/14/10	1	53.3	124	83.6		%	403271	1692

NOTE: x- Not typical of Stoddard standard pattern (possibly aged Stoddard).

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Rachel Guptel
ECM Group

Date Received: 12/08/10
Date Reported: 01/04/11

Client Sample ID:	MW-4	**Lab Sample ID:**	1012045-003A
Project Name/Location:	5427 Telegraph	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	12/07/10 /		
Tag Number:	5427 Telegraph		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	12/13/10	1	0.41	0.50	ND		ug/L	403255	NA
Chloromethane	SW8260B	NA	12/13/10	1	0.41	0.50	ND		ug/L	403255	NA
Vinyl Chloride	SW8260B	NA	12/13/10	1	0.37	0.50	ND		ug/L	403255	NA
Bromomethane	SW8260B	NA	12/13/10	1	0.37	0.50	ND		ug/L	403255	NA
Trichlorofluoromethane	SW8260B	NA	12/13/10	1	0.34	0.50	ND		ug/L	403255	NA
1,1-Dichloroethene	SW8260B	NA	12/13/10	1	0.29	0.50	ND		ug/L	403255	NA
Freon 113	SW8260B	NA	12/13/10	1	0.38	0.50	ND		ug/L	403255	NA
Methylene Chloride	SW8260B	NA	12/13/10	1	0.18	5.0	ND		ug/L	403255	NA
trans-1,2-Dichloroethene	SW8260B	NA	12/13/10	1	0.31	0.50	ND		ug/L	403255	NA
MTBE	SW8260B	NA	12/13/10	1	0.38	0.50	ND		ug/L	403255	NA
tert-Butanol	SW8260B	NA	12/13/10	1	1.5	5.0	ND		ug/L	403255	NA
Diisopropyl ether (DIPE)	SW8260B	NA	12/13/10	1	0.36	0.50	ND		ug/L	403255	NA
1,1-Dichloroethane	SW8260B	NA	12/13/10	1	0.28	0.50	ND		ug/L	403255	NA
ETBE	SW8260B	NA	12/13/10	1	0.40	0.50	ND		ug/L	403255	NA
cis-1,2-Dichloroethene	SW8260B	NA	12/13/10	1	0.33	0.50	ND		ug/L	403255	NA
2,2-Dichloropropane	SW8260B	NA	12/13/10	1	0.37	0.50	ND		ug/L	403255	NA
Bromochloromethane	SW8260B	NA	12/13/10	1	0.34	0.50	ND		ug/L	403255	NA
Chloroform	SW8260B	NA	12/13/10	1	0.29	0.50	ND		ug/L	403255	NA
Carbon Tetrachloride	SW8260B	NA	12/13/10	1	0.26	0.50	ND		ug/L	403255	NA
1,1,1-Trichloroethane	SW8260B	NA	12/13/10	1	0.32	0.50	ND		ug/L	403255	NA
1,1-Dichloropropene	SW8260B	NA	12/13/10	1	0.40	0.50	ND		ug/L	403255	NA
Benzene	SW8260B	NA	12/13/10	1	0.33	0.50	ND		ug/L	403255	NA
TAME	SW8260B	NA	12/13/10	1	0.32	0.50	ND		ug/L	403255	NA
1,2-Dichloroethane	SW8260B	NA	12/13/10	1	0.28	0.50	ND		ug/L	403255	NA
Trichloroethylene	SW8260B	NA	12/13/10	1	0.38	0.50	ND		ug/L	403255	NA
Dibromomethane	SW8260B	NA	12/13/10	1	0.21	0.50	ND		ug/L	403255	NA
1,2-Dichloropropane	SW8260B	NA	12/13/10	1	0.37	0.50	ND		ug/L	403255	NA
Bromodichloromethane	SW8260B	NA	12/13/10	1	0.23	0.50	ND		ug/L	403255	NA
2-Chloroethyl vinyl ether	SW8260B	NA	12/13/10	1	0.91	2.0	ND		ug/L	403255	NA
cis-1,3-Dichloropropene	SW8260B	NA	12/13/10	1	0.30	0.50	ND		ug/L	403255	NA
Toluene	SW8260B	NA	12/13/10	1	0.19	0.50	ND		ug/L	403255	NA
Tetrachloroethylene	SW8260B	NA	12/13/10	1	0.15	0.50	ND		ug/L	403255	NA
trans-1,3-Dichloropropene	SW8260B	NA	12/13/10	1	0.20	0.50	ND		ug/L	403255	NA
1,1,2-Trichloroethane	SW8260B	NA	12/13/10	1	0.20	0.50	ND		ug/L	403255	NA
Dibromochloromethane	SW8260B	NA	12/13/10	1	0.21	0.50	ND		ug/L	403255	NA
1,3-Dichloropropane	SW8260B	NA	12/13/10	1	0.18	0.50	ND		ug/L	403255	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Rachel Guptel
ECM Group

Date Received: 12/08/10
Date Reported: 01/04/11

Client Sample ID:	MW-4	**Lab Sample ID:**	1012045-003A
Project Name/Location:	5427 Telegraph	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	12/07/10 /		
Tag Number:	5427 Telegraph		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	12/13/10	1	0.19	0.50	ND		ug/L	403255	NA
Chlorobenzene	SW8260B	NA	12/13/10	1	0.14	0.50	ND		ug/L	403255	NA
Ethyl Benzene	SW8260B	NA	12/13/10	1	0.15	0.50	ND		ug/L	403255	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	12/13/10	1	0.10	0.50	ND		ug/L	403255	NA
m,p-Xylene	SW8260B	NA	12/13/10	1	0.20	1.0	ND		ug/L	403255	NA
o-Xylene	SW8260B	NA	12/13/10	1	0.13	0.50	ND		ug/L	403255	NA
Styrene	SW8260B	NA	12/13/10	1	0.20	0.50	ND		ug/L	403255	NA
Bromoform	SW8260B	NA	12/13/10	1	0.45	1.0	ND		ug/L	403255	NA
Isopropyl Benzene	SW8260B	NA	12/13/10	1	0.28	0.50	ND		ug/L	403255	NA
Bromobenzene	SW8260B	NA	12/13/10	1	0.39	0.50	ND		ug/L	403255	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	12/13/10	1	0.26	0.50	ND		ug/L	403255	NA
n-Propylbenzene	SW8260B	NA	12/13/10	1	0.30	0.50	ND		ug/L	403255	NA
2-Chlorotoluene	SW8260B	NA	12/13/10	1	0.33	0.50	ND		ug/L	403255	NA
1,3,5-Trimethylbenzene	SW8260B	NA	12/13/10	1	0.20	0.50	ND		ug/L	403255	NA
4-Chlorotoluene	SW8260B	NA	12/13/10	1	0.32	0.50	ND		ug/L	403255	NA
tert-Butylbenzene	SW8260B	NA	12/13/10	1	0.29	0.50	ND		ug/L	403255	NA
1,2,3-Trichloropropane	SW8260B	NA	12/13/10	1	0.59	1.0	ND		ug/L	403255	NA
1,2,4-Trimethylbenzene	SW8260B	NA	12/13/10	1	0.33	0.50	ND		ug/L	403255	NA
sec-Butyl Benzene	SW8260B	NA	12/13/10	1	0.24	0.50	ND		ug/L	403255	NA
p-Isopropyltoluene	SW8260B	NA	12/13/10	1	0.25	0.50	ND		ug/L	403255	NA
1,3-Dichlorobenzene	SW8260B	NA	12/13/10	1	0.31	0.50	ND		ug/L	403255	NA
1,4-Dichlorobenzene	SW8260B	NA	12/13/10	1	0.37	0.50	ND		ug/L	403255	NA
n-Butylbenzene	SW8260B	NA	12/13/10	1	0.32	0.50	ND		ug/L	403255	NA
1,2-Dichlorobenzene	SW8260B	NA	12/13/10	1	0.39	0.50	ND		ug/L	403255	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	12/13/10	1	0.45	1.0	ND		ug/L	403255	NA
Hexachlorobutadiene	SW8260B	NA	12/13/10	1	0.22	0.50	ND		ug/L	403255	NA
1,2,4-Trichlorobenzene	SW8260B	NA	12/13/10	1	0.48	1.0	ND		ug/L	403255	NA
Naphthalene	SW8260B	NA	12/13/10	1	0.57	1.0	ND		ug/L	403255	NA
1,2,3-Trichlorobenzene	SW8260B	NA	12/13/10	1	0.52	1.0	ND		ug/L	403255	NA
(S) Dibromofluoromethane	SW8260B	NA	12/13/10	1	61.2	131	113		%	403255	NA
(S) Toluene-d8	SW8260B	NA	12/13/10	1	75.1	127	105		%	403255	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	12/13/10	1	64.1	120	110		%	403255	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Rachel Guptel
ECM Group

Date Received: 12/08/10
Date Reported: 01/04/11

Client Sample ID:	MW-4	**Lab Sample ID:**	1012045-003A
Project Name/Location:	5427 Telegraph	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	12/07/10 /		
Tag Number:	5427 Telegraph		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	12/13/10	1	22	50	ND		ug/L	403255	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	12/13/10	1	34	114	78.6		%	403255	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Stoddard	SW8015B	12/14/10	12/14/10	1	0.0287	0.10	ND		mg/L	403271	1692
Pentacosane (S)	SW8015B	12/14/10	12/14/10	1	53.3	124	83.0		%	403271	1692

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Rachel Guptel
ECM Group

Date Received: 12/08/10
Date Reported: 01/04/11

Client Sample ID:	MW-5	**Lab Sample ID:**	1012045-004A
Project Name/Location:	5427 Telegraph	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	12/07/10 /		
Tag Number:	5427 Telegraph		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	12/13/10	1	0.41	0.50	ND		ug/L	403255	NA
Chloromethane	SW8260B	NA	12/13/10	1	0.41	0.50	ND		ug/L	403255	NA
Vinyl Chloride	SW8260B	NA	12/13/10	1	0.37	0.50	ND		ug/L	403255	NA
Bromomethane	SW8260B	NA	12/13/10	1	0.37	0.50	ND		ug/L	403255	NA
Trichlorofluoromethane	SW8260B	NA	12/13/10	1	0.34	0.50	ND		ug/L	403255	NA
1,1-Dichloroethene	SW8260B	NA	12/13/10	1	0.29	0.50	ND		ug/L	403255	NA
Freon 113	SW8260B	NA	12/13/10	1	0.38	0.50	ND		ug/L	403255	NA
Methylene Chloride	SW8260B	NA	12/13/10	1	0.18	5.0	ND		ug/L	403255	NA
trans-1,2-Dichloroethene	SW8260B	NA	12/13/10	1	0.31	0.50	ND		ug/L	403255	NA
MTBE	SW8260B	NA	12/13/10	1	0.38	0.50	ND		ug/L	403255	NA
tert-Butanol	SW8260B	NA	12/13/10	1	1.5	5.0	ND		ug/L	403255	NA
Diisopropyl ether (DIPE)	SW8260B	NA	12/13/10	1	0.36	0.50	ND		ug/L	403255	NA
1,1-Dichloroethane	SW8260B	NA	12/13/10	1	0.28	0.50	ND		ug/L	403255	NA
ETBE	SW8260B	NA	12/13/10	1	0.40	0.50	ND		ug/L	403255	NA
cis-1,2-Dichloroethene	SW8260B	NA	12/13/10	1	0.33	0.50	ND		ug/L	403255	NA
2,2-Dichloropropane	SW8260B	NA	12/13/10	1	0.37	0.50	ND		ug/L	403255	NA
Bromochloromethane	SW8260B	NA	12/13/10	1	0.34	0.50	ND		ug/L	403255	NA
Chloroform	SW8260B	NA	12/13/10	1	0.29	0.50	ND		ug/L	403255	NA
Carbon Tetrachloride	SW8260B	NA	12/13/10	1	0.26	0.50	ND		ug/L	403255	NA
1,1,1-Trichloroethane	SW8260B	NA	12/13/10	1	0.32	0.50	ND		ug/L	403255	NA
1,1-Dichloropropene	SW8260B	NA	12/13/10	1	0.40	0.50	ND		ug/L	403255	NA
Benzene	SW8260B	NA	12/13/10	1	0.33	0.50	ND		ug/L	403255	NA
TAME	SW8260B	NA	12/13/10	1	0.32	0.50	ND		ug/L	403255	NA
1,2-Dichloroethane	SW8260B	NA	12/13/10	1	0.28	0.50	ND		ug/L	403255	NA
Trichloroethylene	SW8260B	NA	12/13/10	1	0.38	0.50	ND		ug/L	403255	NA
Dibromomethane	SW8260B	NA	12/13/10	1	0.21	0.50	ND		ug/L	403255	NA
1,2-Dichloropropane	SW8260B	NA	12/13/10	1	0.37	0.50	ND		ug/L	403255	NA
Bromodichloromethane	SW8260B	NA	12/13/10	1	0.23	0.50	ND		ug/L	403255	NA
2-Chloroethyl vinyl ether	SW8260B	NA	12/13/10	1	0.91	2.0	ND		ug/L	403255	NA
cis-1,3-Dichloropropene	SW8260B	NA	12/13/10	1	0.30	0.50	ND		ug/L	403255	NA
Toluene	SW8260B	NA	12/13/10	1	0.19	0.50	ND		ug/L	403255	NA
Tetrachloroethylene	SW8260B	NA	12/13/10	1	0.15	0.50	ND		ug/L	403255	NA
trans-1,3-Dichloropropene	SW8260B	NA	12/13/10	1	0.20	0.50	ND		ug/L	403255	NA
1,1,2-Trichloroethane	SW8260B	NA	12/13/10	1	0.20	0.50	ND		ug/L	403255	NA
Dibromochloromethane	SW8260B	NA	12/13/10	1	0.21	0.50	ND		ug/L	403255	NA
1,3-Dichloropropane	SW8260B	NA	12/13/10	1	0.18	0.50	ND		ug/L	403255	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Rachel Guptel
ECM Group

Date Received: 12/08/10
Date Reported: 01/04/11

Client Sample ID:	MW-5	**Lab Sample ID:**	1012045-004A
Project Name/Location:	5427 Telegraph	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	12/07/10 /		
Tag Number:	5427 Telegraph		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	12/13/10	1	0.19	0.50	ND		ug/L	403255	NA
Chlorobenzene	SW8260B	NA	12/13/10	1	0.14	0.50	ND		ug/L	403255	NA
Ethyl Benzene	SW8260B	NA	12/13/10	1	0.15	0.50	ND		ug/L	403255	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	12/13/10	1	0.10	0.50	ND		ug/L	403255	NA
m,p-Xylene	SW8260B	NA	12/13/10	1	0.20	1.0	ND		ug/L	403255	NA
o-Xylene	SW8260B	NA	12/13/10	1	0.13	0.50	ND		ug/L	403255	NA
Styrene	SW8260B	NA	12/13/10	1	0.20	0.50	ND		ug/L	403255	NA
Bromoform	SW8260B	NA	12/13/10	1	0.45	1.0	ND		ug/L	403255	NA
Isopropyl Benzene	SW8260B	NA	12/13/10	1	0.28	0.50	ND		ug/L	403255	NA
Bromobenzene	SW8260B	NA	12/13/10	1	0.39	0.50	ND		ug/L	403255	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	12/13/10	1	0.26	0.50	ND		ug/L	403255	NA
n-Propylbenzene	SW8260B	NA	12/13/10	1	0.30	0.50	ND		ug/L	403255	NA
2-Chlorotoluene	SW8260B	NA	12/13/10	1	0.33	0.50	ND		ug/L	403255	NA
1,3,5-Trimethylbenzene	SW8260B	NA	12/13/10	1	0.20	0.50	ND		ug/L	403255	NA
4-Chlorotoluene	SW8260B	NA	12/13/10	1	0.32	0.50	ND		ug/L	403255	NA
tert-Butylbenzene	SW8260B	NA	12/13/10	1	0.29	0.50	ND		ug/L	403255	NA
1,2,3-Trichloropropane	SW8260B	NA	12/13/10	1	0.59	1.0	ND		ug/L	403255	NA
1,2,4-Trimethylbenzene	SW8260B	NA	12/13/10	1	0.33	0.50	ND		ug/L	403255	NA
sec-Butyl Benzene	SW8260B	NA	12/13/10	1	0.24	0.50	ND		ug/L	403255	NA
p-Isopropyltoluene	SW8260B	NA	12/13/10	1	0.25	0.50	ND		ug/L	403255	NA
1,3-Dichlorobenzene	SW8260B	NA	12/13/10	1	0.31	0.50	ND		ug/L	403255	NA
1,4-Dichlorobenzene	SW8260B	NA	12/13/10	1	0.37	0.50	ND		ug/L	403255	NA
n-Butylbenzene	SW8260B	NA	12/13/10	1	0.32	0.50	ND		ug/L	403255	NA
1,2-Dichlorobenzene	SW8260B	NA	12/13/10	1	0.39	0.50	ND		ug/L	403255	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	12/13/10	1	0.45	1.0	ND		ug/L	403255	NA
Hexachlorobutadiene	SW8260B	NA	12/13/10	1	0.22	0.50	ND		ug/L	403255	NA
1,2,4-Trichlorobenzene	SW8260B	NA	12/13/10	1	0.48	1.0	ND		ug/L	403255	NA
Naphthalene	SW8260B	NA	12/13/10	1	0.57	1.0	ND		ug/L	403255	NA
1,2,3-Trichlorobenzene	SW8260B	NA	12/13/10	1	0.52	1.0	ND		ug/L	403255	NA
(S) Dibromofluoromethane	SW8260B	NA	12/13/10	1	61.2	131	115		%	403255	NA
(S) Toluene-d8	SW8260B	NA	12/13/10	1	75.1	127	97.4		%	403255	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	12/13/10	1	64.1	120	103		%	403255	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Rachel Guptel
ECM Group

Date Received: 12/08/10
Date Reported: 01/04/11

Client Sample ID:	MW-5	**Lab Sample ID:**	1012045-004A
Project Name/Location:	5427 Telegraph	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	12/07/10 /		
Tag Number:	5427 Telegraph		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	12/13/10	1	22	50	ND		ug/L	403255	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	12/13/10	1	34	114	73.8		%	403255	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Stoddard	SW8015B	12/14/10	12/14/10	1	0.0287	0.10	ND		mg/L	403271	1692
Pentacosane (S)	SW8015B	12/14/10	12/14/10	1	53.3	124	93.1		%	403271	1692

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1012045	**Prep Method:**	5030	**Prep Date:**	12/13/10	**Prep Batch:**	1690
Matrix:	Water	**Analytical Method:**	8260TPH	**Analyzed Date:**	12/13/10	**Analytical Batch:**	403255
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	22	50	ND	
(S) 4-Bromofluorobenzene			83.2	

Work Order:	1012045	**Prep Method:**	3510_TPHSG	**Prep Date:**	12/14/10	**Prep Batch:**	1692
Matrix:	Water	**Analytical Method:**	SW8015B	**Analyzed Date:**	12/14/10	**Analytical Batch:**	403271
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Diesel Range Organics (DRO)	0.029	0.10	ND	
Bunker Oil	0.0920	0.20	ND	
TPH as Fuel Oil	0.0920	0.20	ND	
TPH as Diesel	0.0287	0.10	ND	
TPH as Heating Oil	0.0920	0.20	ND	
TPH as Hydraulic Oil	0.0920	0.20	ND	
TPH as Jet A	0.0287	0.10	ND	
TPH as Jet Fuel	0.029	0.10	ND	
TPH as JP-4	0.0287	0.10	ND	
TPH as JP-5	0.0287	0.10	ND	
TPH as JP-7	0.0287	0.10	ND	
TPH as JP-8	0.0287	0.10	ND	
TPH as Kerosene	0.0287	0.10	ND	
TPH as Mineral Oil	0.0287	0.10	ND	
TPH as Motor Oil	0.0920	0.20	ND	
TPH as Naphtha	0.0287	0.10	ND	
TPH as Oil	0.0920	0.20	ND	
TPH as Stoddard	0.0287	0.10	ND	
TPH as Transformer Oil	0.0920	0.20	ND	
Pentacosane (S)			87.9	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1012045	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	12/13/10	**Analytical Batch:**	403255
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.41	0.50	ND	
Chloromethane	0.41	0.50	ND	
Vinyl Chloride	0.37	0.50	ND	
Bromomethane	0.37	0.50	ND	
Trichlorofluoromethane	0.34	0.50	ND	
1,1-Dichloroethene	0.29	0.50	ND	
Freon 113	0.38	0.50	ND	
Methylene Chloride	0.18	5.0	0.27	
trans-1,2-Dichloroethene	0.31	0.50	ND	
MTBE	0.38	0.50	ND	
tert-Butanol	1.5	5.0	ND	
Diisopropyl ether (DIPE)	0.36	0.50	ND	
1,1-Dichloroethane	0.28	0.50	ND	
ETBE	0.40	0.50	ND	
cis-1,2-Dichloroethene	0.33	0.50	ND	
2,2-Dichloropropane	0.37	0.50	ND	
Bromochloromethane	0.34	0.50	ND	
Chloroform	0.29	0.50	ND	
Carbon Tetrachloride	0.26	0.50	ND	
1,1,1-Trichloroethane	0.32	0.50	ND	
1,1-Dichloropropene	0.40	0.50	ND	
Benzene	0.33	0.50	ND	
TAME	0.32	0.50	ND	
1,2-Dichloroethane	0.28	0.50	ND	
Trichloroethylene	0.38	0.50	ND	
Dibromomethane	0.21	0.50	ND	
1,2-Dichloropropane	0.37	0.50	ND	
Bromodichloromethane	0.23	0.50	ND	
2-Chloroethyl vinyl ether	0.91	2.0	ND	
cis-1,3-Dichloropropene	0.30	0.50	ND	
Toluene	0.19	0.50	ND	
Tetrachloroethylene	0.15	0.50	ND	
trans-1,3-Dichloropropene	0.20	0.50	ND	
1,1,2-Trichloroethane	0.20	0.50	ND	
Dibromochloromethane	0.21	0.50	ND	
1,3-Dichloropropane	0.18	0.50	ND	
1,2-Dibromoethane	0.19	0.50	ND	
Chlorobenzene	0.14	0.50	ND	
Ethyl Benzene	0.15	0.50	ND	
1,1,1,2-Tetrachloroethane	0.10	0.50	ND	
m,p-Xylene	0.20	1.0	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1012045	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	12/13/10	**Analytical Batch:**	403255
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
o-Xylene	0.13	0.50	ND		
Styrene	0.20	0.50	ND		
Bromoform	0.45	1.0	ND		
Isopropyl Benzene	0.28	0.50	ND		
Bromobenzene	0.39	0.50	ND		
1,1,2,2-Tetrachloroethane	0.26	0.50	ND		
n-Propylbenzene	0.30	0.50	ND		
2-Chlorotoluene	0.33	0.50	ND		
1,3,5-Trimethylbenzene	0.20	0.50	ND		
4-Chlorotoluene	0.32	0.50	ND		
tert-Butylbenzene	0.29	0.50	ND		
1,2,3-Trichloropropane	0.59	1.0	ND		
1,2,4-Trimethylbenzene	0.33	0.50	ND		
sec-Butyl Benzene	0.24	0.50	ND		
p-Isopropyltoluene	0.25	0.50	ND		
1,3-Dichlorobenzene	0.31	0.50	ND		
1,4-Dichlorobenzene	0.37	0.50	ND		
n-Butylbenzene	0.32	0.50	ND		
1,2-Dichlorobenzene	0.39	0.50	ND		
1,2-Dibromo-3-Chloropropane	0.45	1.0	ND		
Hexachlorobutadiene	0.22	0.50	ND		
1,2,4-Trichlorobenzene	0.48	1.0	ND		
Naphthalene	0.57	1.0	ND		
1,2,3-Trichlorobenzene	0.52	1.0	ND		
Ethanol	100	100	ND	TIC	
(S) Dibromofluoromethane			104		
(S) Toluene-d8			105		
(S) 4-Bromofluorobenzene			106		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1012045	**Prep Method:**	5030	**Prep Date:**	12/13/10	**Prep Batch:**	1690
Matrix:	Water	**Analytical Method:**	8260TPH	**Analyzed Date:**	12/13/10	**Analytical Batch:**	403255
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	22	50	ND	227.27	85.8	95.2	10.4	52.4 - 127	30	
(S) 4-Bromofluorobenzene			83.2	11.36	67.8	75.6		58.4 - 133		

Work Order:	1012045	**Prep Method:**	3510_TPHSG	**Prep Date:**	12/14/10	**Prep Batch:**	1692
Matrix:	Water	**Analytical Method:**	SW8015B	**Analyzed Date:**	12/14/10	**Analytical Batch:**	403271
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.029	0.10	ND	1	55.9	53.7	3.97	34.5 - 95.6	30	
Pentacosane (S)			ND	100	78.7	88.0		53.3 - 124		

Work Order:	1012045	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	12/13/10	**Analytical Batch:**	403255
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.29	0.50	ND	17.04	97.4	95.3	2.19	61.4 - 129	30	
Benzene	0.33	0.50	ND	17.04	94.4	97.8	3.48	66.9 - 140	30	
Trichloroethylene	0.38	0.50	ND	17.04	96.9	99.2	2.40	69.3 - 144	30	
Toluene	0.19	0.50	ND	17.04	104	105	1.07	76.6 - 123	30	
Chlorobenzene	0.14	0.50	ND	17.04	99.9	102	1.98	73.9 - 137	30	
(S) Dibromofluoromethane			ND	11.36	94.7	101		61.2 - 131		
(S) Toluene-d8			ND	11.36	99.6	101		75.1 - 127		
(S) 4-Bromofluorobenzene			0.27	11.36	95.6	108		64.1 - 120		

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: ECM Group

Project Name: 5427 Telegraph

Work Order No.: 1012045

Date and Time Received: 12/8/2010 16:05

Received By: navin

Physically Logged By: lorna

Checklist Completed By: lorna

Carrier Name: Gold Bullet Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	2	°C
Water-VOA vials have zero headspace?	Yes			
Water-pH acceptable upon receipt?				

pH Checked by: pH Adjusted by:

Torrent LABORATORY, INC.

Login Summary Report

Client ID: TL5158 ECM Group

Project Name: 5427 Telegraph

Project # :

Report Due Date: 1/4/2011

QC Level:

TAT Requested: 5+ day:0

Date Received: 12/8/2010

Time Received: 16:05

Comments: 5 day TAT!!! Recv'd 4 groundwaters for TPHg ; BTEX ; %Oxygenates Lead Scavengers and Stoddard Solvent.Pls. email an EDF result to rguptel@ecmgrp.com.

Work Order # : ***1012045***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1012045-001A	MW-1	12/07/10	Water	01/22/11			EDF W_GCMS-GRO W_8260PetWHA W_TEPH-SG	
Sample Note:	TPHg,BTEX,5 oxys,lead scavengers,stoddard solvent for all samples.							
1012045-002A	MW-3	12/07/10	Water	01/22/11			W_GCMS-GRO W_8260PetWHA W_TEPH-SG	
1012045-003A	MW-4	12/07/10	Water	01/22/11			W_8260Full W_TEPH-SG W_GCMS-GRO	
1012045-004A	MW-5	12/07/10	Water	01/22/11			W_8260Full W_TEPH-SG W_GCMS-GRO	

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258 RESET
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1012045

Company Name: ECM Group	Location of Sampling: 5427 Telegraph
Address: P.O. Box 802	Purpose:
City: Benicia State: CA Zip Code: 94510	Special Instructions / Comments:
Telephone: (707) 751-0655 FAX: (707) 751-0653	
REPORT TO: Rachel Gruptel SAMPLER: Zach Barbare	P.O. #: 07-181-04 EMAIL: rgruptel@ecmgrp.com

TURNAROUND TIME:
- ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
- ☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours
- ☒ 5 Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE:
- ☐ Storm Water ☐ Air
- ☐ Waste Water ☐ Other
- ☒ Ground Water
- ☐ Soil

REPORT FORMAT:
- ☐ QC Level IV
- ☒ EDF
- ☐ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TPH (G)	BTEX	5 OXY	Lead scavengers	Stoddard Solvent					REMARKS
-001A	MW-1	12/7/10	W	4/1	4 voa 1 amber	X	X	X	X	X					
-002A	MW-3	↓	↓	↓	↓	↓	↓	↓	↓	↓					
-003A	MW-4														
-004A	MW-5														
															Temp 2°C

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1		Zach Barbare	12/8/10	1:08		LENE	12-08-10	
2		Lene	12-08-10	4:07		NAVIN G.	12-8-10	16:05

Were Samples Received in Good Condition? ☑ Yes ☐ NO Samples on Ice? ☑ Yes ☐ NO Method of Shipment: Gold Bullet Sample seals intact? ☐ Yes ☐ NO ☑ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Page 1 of 1

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____

ECM Group
290 West Channel
Benicia, California 94510
Tel: 707-751-0655
Fax: 707-751-0653
Email: rguptel@ecmgrp.com

RE: 5427 Telegraph Ave.Oakland,CA

Work Order No.: 1012162 Rev: 1

Dear Rachel Guptel:

Torrent Laboratory, Inc. received 1 sample(s) on December 23, 2010 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Patti Sandrock

December 30, 2010
Date

Date: 12/30/2010

Client: ECM Group

Project: 5427 Telegraph Ave.Oakland,CA

Work Order: 1012162

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

REVISIONS:

Per client request, report revised to include full list 8260B data.

Rev 1 (1/4/11)

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Rachel Guptel
ECM Group

Date Received: 12/23/10
Date Reported: 12/30/10

MW-2 1012162-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH(Gasoline)	8260TPH	8.8	190	440	1600	ug/L
TPH as Stoddard	SW8015B	20	0.574	2.0	12	mg/L
Benzene	SW8260B	4.4	1.5	2.2	13	ug/L
Isopropyl Benzene	SW8260B	4.4	1.2	2.2	13	ug/L
n-Propylbenzene	SW8260B	4.4	1.3	2.2	17	ug/L
tert-Butylbenzene	SW8260B	4.4	1.3	2.2	5.8	ug/L
1,2,4-Trimethylbenzene	SW8260B	4.4	1.5	2.2	3.6	ug/L
sec-Butyl Benzene	SW8260B	4.4	1.1	2.2	26	ug/L
n-Butylbenzene	SW8260B	4.4	1.4	2.2	11	ug/L

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Rachel Guptel
ECM Group

Date Received: 12/23/10
Date Reported: 12/30/10

Client Sample ID:	MW-2	**Lab Sample ID:**	1012162-001A
Project Name/Location:	5427 Telegraph Ave.Oakland,CA	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	12/20/10 / 10:03		
Tag Number:	5427 Telegraph Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Dichlorodifluoromethane	SW8260B	NA	01/03/11	4.4	1.8	2.2	ND		ug/L	403455	NA
Chloromethane	SW8260B	NA	01/03/11	4.4	1.8	2.2	ND		ug/L	403455	NA
Vinyl Chloride	SW8260B	NA	01/03/11	4.4	1.6	2.2	ND		ug/L	403455	NA
Bromomethane	SW8260B	NA	01/03/11	4.4	1.6	2.2	ND		ug/L	403455	NA
Trichlorofluoromethane	SW8260B	NA	01/03/11	4.4	1.5	2.2	ND		ug/L	403455	NA
1,1-Dichloroethene	SW8260B	NA	01/03/11	4.4	1.3	2.2	ND		ug/L	403455	NA
Freon 113	SW8260B	NA	01/03/11	4.4	1.7	2.2	ND		ug/L	403455	NA
Methylene Chloride	SW8260B	NA	01/03/11	4.4	0.77	22	ND		ug/L	403455	NA
trans-1,2-Dichloroethene	SW8260B	NA	01/03/11	4.4	1.4	2.2	ND		ug/L	403455	NA
MTBE	SW8260B	NA	01/03/11	4.4	1.7	2.2	ND		ug/L	403455	NA
tert-Butanol	SW8260B	NA	01/03/11	4.4	6.6	22	ND		ug/L	403455	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/03/11	4.4	1.6	2.2	ND		ug/L	403455	NA
1,1-Dichloroethane	SW8260B	NA	01/03/11	4.4	1.2	2.2	ND		ug/L	403455	NA
ETBE	SW8260B	NA	01/03/11	4.4	1.7	2.2	ND		ug/L	403455	NA
cis-1,2-Dichloroethene	SW8260B	NA	01/03/11	4.4	1.4	2.2	ND		ug/L	403455	NA
2,2-Dichloropropane	SW8260B	NA	01/03/11	4.4	1.6	2.2	ND		ug/L	403455	NA
Bromochloromethane	SW8260B	NA	01/03/11	4.4	1.5	2.2	ND		ug/L	403455	NA
Chloroform	SW8260B	NA	01/03/11	4.4	1.3	2.2	ND		ug/L	403455	NA
Carbon Tetrachloride	SW8260B	NA	01/03/11	4.4	1.2	2.2	ND		ug/L	403455	NA
1,1,1-Trichloroethane	SW8260B	NA	01/03/11	4.4	1.4	2.2	ND		ug/L	403455	NA
1,1-Dichloropropene	SW8260B	NA	01/03/11	4.4	1.7	2.2	ND		ug/L	403455	NA
Benzene	SW8260B	NA	01/03/11	4.4	1.5	2.2	13		ug/L	403455	NA
TAME	SW8260B	NA	01/03/11	4.4	1.4	2.2	ND		ug/L	403455	NA
1,2-Dichloroethane	SW8260B	NA	01/03/11	4.4	1.2	2.2	ND		ug/L	403455	NA
Trichloroethylene	SW8260B	NA	01/03/11	4.4	1.7	2.2	ND		ug/L	403455	NA
Dibromomethane	SW8260B	NA	01/03/11	4.4	0.92	2.2	ND		ug/L	403455	NA
1,2-Dichloropropane	SW8260B	NA	01/03/11	4.4	1.6	2.2	ND		ug/L	403455	NA
Bromodichloromethane	SW8260B	NA	01/03/11	4.4	1.0	2.2	ND		ug/L	403455	NA
2-Chloroethyl vinyl ether	SW8260B	NA	01/03/11	4.4	4.0	8.8	ND		ug/L	403455	NA
cis-1,3-Dichloropropene	SW8260B	NA	01/03/11	4.4	1.3	2.2	ND		ug/L	403455	NA
Toluene	SW8260B	NA	01/03/11	4.4	0.84	2.2	ND		ug/L	403455	NA
Tetrachloroethylene	SW8260B	NA	01/03/11	4.4	0.65	2.2	ND		ug/L	403455	NA
trans-1,3-Dichloropropene	SW8260B	NA	01/03/11	4.4	0.89	2.2	ND		ug/L	403455	NA
1,1,2-Trichloroethane	SW8260B	NA	01/03/11	4.4	0.89	2.2	ND		ug/L	403455	NA
Dibromochloromethane	SW8260B	NA	01/03/11	4.4	0.95	2.2	ND		ug/L	403455	NA
1,3-Dichloropropane	SW8260B	NA	01/03/11	4.4	0.78	2.2	ND		ug/L	403455	NA

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Rachel Guptel
ECM Group

Date Received: 12/23/10
Date Reported: 12/30/10

Client Sample ID:	MW-2	**Lab Sample ID:**	1012162-001A
Project Name/Location:	5427 Telegraph Ave.Oakland,CA	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	12/20/10 / 10:03		
Tag Number:	5427 Telegraph Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
1,2-Dibromoethane	SW8260B	NA	01/03/11	4.4	0.86	2.2	ND		ug/L	403455	NA
Chlorobenzene	SW8260B	NA	01/03/11	4.4	0.63	2.2	ND		ug/L	403455	NA
Ethyl Benzene	SW8260B	NA	01/03/11	4.4	0.68	2.2	ND		ug/L	403455	NA
1,1,1,2-Tetrachloroethane	SW8260B	NA	01/03/11	4.4	0.44	2.2	ND		ug/L	403455	NA
m,p-Xylene	SW8260B	NA	01/03/11	4.4	0.88	4.4	ND		ug/L	403455	NA
o-Xylene	SW8260B	NA	01/03/11	4.4	0.56	2.2	ND		ug/L	403455	NA
Styrene	SW8260B	NA	01/03/11	4.4	0.87	2.2	ND		ug/L	403455	NA
Bromoform	SW8260B	NA	01/03/11	4.4	2.0	4.4	ND		ug/L	403455	NA
Isopropyl Benzene	SW8260B	NA	01/03/11	4.4	1.2	2.2	13		ug/L	403455	NA
Bromobenzene	SW8260B	NA	01/03/11	4.4	1.7	2.2	ND		ug/L	403455	NA
1,1,2,2-Tetrachloroethane	SW8260B	NA	01/03/11	4.4	1.1	2.2	ND		ug/L	403455	NA
n-Propylbenzene	SW8260B	NA	01/03/11	4.4	1.3	2.2	17		ug/L	403455	NA
2-Chlorotoluene	SW8260B	NA	01/03/11	4.4	1.4	2.2	ND		ug/L	403455	NA
1,3,5-Trimethylbenzene	SW8260B	NA	01/03/11	4.4	0.88	2.2	ND		ug/L	403455	NA
4-Chlorotoluene	SW8260B	NA	01/03/11	4.4	1.4	2.2	ND		ug/L	403455	NA
tert-Butylbenzene	SW8260B	NA	01/03/11	4.4	1.3	2.2	5.8		ug/L	403455	NA
1,2,3-Trichloropropane	SW8260B	NA	01/03/11	4.4	2.6	4.4	ND		ug/L	403455	NA
1,2,4-Trimethylbenzene	SW8260B	NA	01/03/11	4.4	1.5	2.2	3.6		ug/L	403455	NA
sec-Butyl Benzene	SW8260B	NA	01/03/11	4.4	1.1	2.2	26		ug/L	403455	NA
p-Isopropyltoluene	SW8260B	NA	01/03/11	4.4	1.1	2.2	ND		ug/L	403455	NA
1,3-Dichlorobenzene	SW8260B	NA	01/03/11	4.4	1.4	2.2	ND		ug/L	403455	NA
1,4-Dichlorobenzene	SW8260B	NA	01/03/11	4.4	1.6	2.2	ND		ug/L	403455	NA
n-Butylbenzene	SW8260B	NA	01/03/11	4.4	1.4	2.2	11		ug/L	403455	NA
1,2-Dichlorobenzene	SW8260B	NA	01/03/11	4.4	1.7	2.2	ND		ug/L	403455	NA
1,2-Dibromo-3-Chloropropane	SW8260B	NA	01/03/11	4.4	2.0	4.4	ND		ug/L	403455	NA
Hexachlorobutadiene	SW8260B	NA	01/03/11	4.4	0.98	2.2	ND		ug/L	403455	NA
1,2,4-Trichlorobenzene	SW8260B	NA	01/03/11	4.4	2.1	4.4	ND		ug/L	403455	NA
Naphthalene	SW8260B	NA	01/03/11	4.4	2.5	4.4	ND		ug/L	403455	NA
1,2,3-Trichlorobenzene	SW8260B	NA	01/03/11	4.4	2.3	4.4	ND		ug/L	403455	NA
(S) Dibromofluoromethane	SW8260B	NA	01/03/11	4.4	61.2	131	100		%	403455	NA
(S) Toluene-d8	SW8260B	NA	01/03/11	4.4	75.1	127	105		%	403455	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/03/11	4.4	64.1	120	107		%	403455	NA

NOTE: Reporting limit raised due to significant amount of hydrocarbons.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Rachel Guptel
ECM Group

Date Received: 12/23/10
Date Reported: 12/30/10

Client Sample ID:	MW-2	**Lab Sample ID:**	1012162-001A
Project Name/Location:	5427 Telegraph Ave.Oakland,CA	**Sample Matrix:**	Groundwater
Project Number:			
Date/Time Sampled:	12/20/10 / 10:03		
Tag Number:	5427 Telegraph Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	12/29/10	12/29/10	8.8	190	440	1600	x	ug/L	403434	1778
(S) 4-Bromofluorobenzene	8260TPH	12/29/10	12/29/10	8.8	34	114	65.0		%	403434	1778

NOTE: x - Does not match pattern of reference Gasoline standard. Pattern most closely resembles Mineral Spirits/Stoddard Solvent.

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH as Stoddard	SW8015B	12/27/10	12/29/10	20	0.574	2.0	12		mg/L	403426	1773
Pentacosane (S)	SW8015B	12/27/10	12/29/10	20	53.3	124	66.9		%	403426	1773

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1012162	**Prep Method:**	3510_TPHSG	**Prep Date:**	12/27/10	**Prep Batch:**	1773
Matrix:	Water	**Analytical Method:**	SW8015B	**Analyzed Date:**	12/29/10	**Analytical Batch:**	403426
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Diesel Range Organics (DRO)	0.029	0.10	ND	
Bunker Oil	0.0920	0.20	ND	
TPH as Fuel Oil	0.0920	0.20	ND	
TPH as Diesel	0.0287	0.10	ND	
TPH as Heating Oil	0.0920	0.20	ND	
TPH as Hydraulic Oil	0.0920	0.20	ND	
TPH as Jet A	0.0287	0.10	ND	
TPH as Jet Fuel	0.029	0.10	ND	
TPH as JP-4	0.0287	0.10	ND	
TPH as JP-5	0.0287	0.10	ND	
TPH as JP-7	0.0287	0.10	ND	
TPH as JP-8	0.0287	0.10	ND	
TPH as Kerosene	0.0287	0.10	ND	
TPH as Mineral Oil	0.0287	0.10	ND	
TPH as Motor Oil	0.0920	0.20	ND	
TPH as Naphtha	0.0287	0.10	ND	
TPH as Oil	0.0920	0.20	ND	
TPH as Stoddard	0.0287	0.10	ND	
TPH as Transformer Oil	0.0920	0.20	ND	
Pentacosane (S)			64.8	

Work Order:	1012162	**Prep Method:**	5030	**Prep Date:**	12/29/10	**Prep Batch:**	1778
Matrix:	Water	**Analytical Method:**	8260TPH	**Analyzed Date:**	12/29/10	**Analytical Batch:**	403434
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	22	50	ND	
(S) 4-Bromofluorobenzene			71.8	

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MB Summary Report

Work Order:	1012162	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	12/29/10	**Analytical Batch:**	403434
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.41	0.50	ND	
Chloromethane	0.41	0.50	ND	
Vinyl Chloride	0.37	0.50	ND	
Bromomethane	0.37	0.50	ND	
Trichlorofluoromethane	0.34	0.50	ND	
1,1-Dichloroethene	0.29	0.50	ND	
Freon 113	0.38	0.50	ND	
Methylene Chloride	0.18	5.0	ND	
trans-1,2-Dichloroethene	0.31	0.50	ND	
MTBE	0.38	0.50	ND	
tert-Butanol	1.5	5.0	ND	
Diisopropyl ether (DIPE)	0.36	0.50	ND	
1,1-Dichloroethane	0.28	0.50	ND	
ETBE	0.40	0.50	ND	
cis-1,2-Dichloroethene	0.33	0.50	ND	
2,2-Dichloropropane	0.37	0.50	ND	
Bromochloromethane	0.34	0.50	ND	
Chloroform	0.29	0.50	ND	
Carbon Tetrachloride	0.26	0.50	ND	
1,1,1-Trichloroethane	0.32	0.50	ND	
1,1-Dichloropropene	0.40	0.50	ND	
Benzene	0.33	0.50	ND	
TAME	0.32	0.50	ND	
1,2-Dichloroethane	0.28	0.50	ND	
Trichloroethylene	0.38	0.50	ND	
Dibromomethane	0.21	0.50	ND	
1,2-Dichloropropane	0.37	0.50	ND	
Bromodichloromethane	0.23	0.50	ND	
2-Chloroethyl vinyl ether	0.91	2.0	ND	
cis-1,3-Dichloropropene	0.30	0.50	ND	
Toluene	0.19	0.50	ND	
Tetrachloroethylene	0.15	0.50	ND	
trans-1,3-Dichloropropene	0.20	0.50	ND	
1,1,2-Trichloroethane	0.20	0.50	ND	
Dibromochloromethane	0.21	0.50	ND	
1,3-Dichloropropane	0.18	0.50	ND	
1,2-Dibromoethane	0.19	0.50	ND	
Chlorobenzene	0.14	0.50	ND	
Ethyl Benzene	0.15	0.50	ND	
1,1,1,2-Tetrachloroethane	0.10	0.50	ND	
m,p-Xylene	0.20	1.0	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1012162	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	12/29/10	**Analytical Batch:**	403434
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
o-Xylene	0.13	0.50	ND		
Styrene	0.20	0.50	ND		
Bromoform	0.45	1.0	ND		
Isopropyl Benzene	0.28	0.50	ND		
Bromobenzene	0.39	0.50	ND		
1,1,2,2-Tetrachloroethane	0.26	0.50	ND		
n-Propylbenzene	0.30	0.50	ND		
2-Chlorotoluene	0.33	0.50	ND		
1,3,5-Trimethylbenzene	0.20	0.50	ND		
4-Chlorotoluene	0.32	0.50	ND		
tert-Butylbenzene	0.29	0.50	ND		
1,2,3-Trichloropropane	0.59	1.0	ND		
1,2,4-Trimethylbenzene	0.33	0.50	ND		
sec-Butyl Benzene	0.24	0.50	ND		
p-Isopropyltoluene	0.25	0.50	ND		
1,3-Dichlorobenzene	0.31	0.50	ND		
1,4-Dichlorobenzene	0.37	0.50	ND		
n-Butylbenzene	0.32	0.50	ND		
1,2-Dichlorobenzene	0.39	0.50	ND		
1,2-Dibromo-3-Chloropropane	0.45	1.0	ND		
Hexachlorobutadiene	0.22	0.50	ND		
1,2,4-Trichlorobenzene	0.48	1.0	ND		
Naphthalene	0.57	1.0	ND		
1,2,3-Trichlorobenzene	0.52	1.0	ND		
Ethanol	100	100	ND	TIC	
(S) Dibromofluoromethane			126		
(S) Toluene-d8			116		
(S) 4-Bromofluorobenzene			104		

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1012162	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	01/03/11	**Analytical Batch:**	403455
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	0.41	0.50	ND	
Chloromethane	0.41	0.50	ND	
Vinyl Chloride	0.37	0.50	ND	
Bromomethane	0.37	0.50	ND	
Trichlorofluoromethane	0.34	0.50	ND	
1,1-Dichloroethene	0.29	0.50	ND	
Freon 113	0.38	0.50	ND	
Methylene Chloride	0.18	5.0	0.35	
trans-1,2-Dichloroethene	0.31	0.50	ND	
MTBE	0.38	0.50	ND	
tert-Butanol	1.5	5.0	ND	
Diisopropyl ether (DIPE)	0.36	0.50	ND	
1,1-Dichloroethane	0.28	0.50	ND	
ETBE	0.40	0.50	ND	
cis-1,2-Dichloroethene	0.33	0.50	ND	
2,2-Dichloropropane	0.37	0.50	ND	
Bromochloromethane	0.34	0.50	ND	
Chloroform	0.29	0.50	ND	
Carbon Tetrachloride	0.26	0.50	ND	
1,1,1-Trichloroethane	0.32	0.50	ND	
1,1-Dichloropropene	0.40	0.50	ND	
Benzene	0.33	0.50	ND	
TAME	0.32	0.50	ND	
1,2-Dichloroethane	0.28	0.50	ND	
Trichloroethylene	0.38	0.50	ND	
Dibromomethane	0.21	0.50	ND	
1,2-Dichloropropane	0.37	0.50	ND	
Bromodichloromethane	0.23	0.50	ND	
2-Chloroethyl vinyl ether	0.91	2.0	ND	
cis-1,3-Dichloropropene	0.30	0.50	ND	
Toluene	0.19	0.50	ND	
Tetrachloroethylene	0.15	0.50	ND	
trans-1,3-Dichloropropene	0.20	0.50	ND	
1,1,2-Trichloroethane	0.20	0.50	ND	
Dibromochloromethane	0.21	0.50	ND	
1,3-Dichloropropane	0.18	0.50	ND	
1,2-Dibromoethane	0.19	0.50	ND	
Chlorobenzene	0.14	0.50	ND	
Ethyl Benzene	0.15	0.50	ND	
1,1,1,2-Tetrachloroethane	0.10	0.50	ND	
m,p-Xylene	0.20	1.0	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1012162	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	01/03/11	**Analytical Batch:**	403455
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
o-Xylene	0.13	0.50	ND		
Styrene	0.20	0.50	ND		
Bromoform	0.45	1.0	ND		
Isopropyl Benzene	0.28	0.50	ND		
Bromobenzene	0.39	0.50	ND		
1,1,2,2-Tetrachloroethane	0.26	0.50	ND		
n-Propylbenzene	0.30	0.50	ND		
2-Chlorotoluene	0.33	0.50	ND		
1,3,5-Trimethylbenzene	0.20	0.50	ND		
4-Chlorotoluene	0.32	0.50	ND		
tert-Butylbenzene	0.29	0.50	ND		
1,2,3-Trichloropropane	0.59	1.0	ND		
1,2,4-Trimethylbenzene	0.33	0.50	ND		
sec-Butyl Benzene	0.24	0.50	ND		
p-Isopropyltoluene	0.25	0.50	ND		
1,3-Dichlorobenzene	0.31	0.50	ND		
1,4-Dichlorobenzene	0.37	0.50	ND		
n-Butylbenzene	0.32	0.50	ND		
1,2-Dichlorobenzene	0.39	0.50	ND		
1,2-Dibromo-3-Chloropropane	0.45	1.0	ND		
Hexachlorobutadiene	0.22	0.50	ND		
1,2,4-Trichlorobenzene	0.48	1.0	ND		
Naphthalene	0.57	1.0	ND		
1,2,3-Trichlorobenzene	0.52	1.0	ND		
Ethanol	100	100	ND	TIC	
(S) Dibromofluoromethane			109		
(S) Toluene-d8			83.5		
(S) 4-Bromofluorobenzene			114		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1012162	**Prep Method:**	3510_TPHSG	**Prep Date:**	12/27/10	**Prep Batch:**	1773
Matrix:	Water	**Analytical Method:**	SW8015B	**Analyzed Date:**	12/29/10	**Analytical Batch:**	403426
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.029	0.10	ND	1	36.0	34.9	3.00	34.5 - 95.6	30	
Pentacosane (S)			ND	100	73.7	68.3		53.3 - 124		

Work Order:	1012162	**Prep Method:**	5030	**Prep Date:**	12/29/10	**Prep Batch:**	1778
Matrix:	Water	**Analytical Method:**	8260TPH	**Analyzed Date:**	12/29/10	**Analytical Batch:**	403434
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	22	50	ND	227.27	82.9	89.1	7.15	52.4 - 127	30	
(S) 4-Bromofluorobenzene			71.8	11.36	72.0	69.1		58.4 - 133		

Work Order:	1012162	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	12/29/10	**Analytical Batch:**	403434
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.29	0.50	ND	17.04	92.4	93.5	1.45	61.4 - 129	30	
Benzene	0.33	0.50	ND	17.04	104	101	3.49	66.9 - 140	30	
Trichloroethylene	0.38	0.50	ND	17.04	86.9	85.9	1.16	69.3 - 144	30	
Toluene	0.19	0.50	ND	17.04	91.5	96.0	4.76	76.6 - 123	30	
Chlorobenzene	0.14	0.50	ND	17.04	94.0	85.7	9.08	73.9 - 137	30	
(S) Dibromofluoromethane			ND	11.36	97.0	80.0		61.2 - 131		
(S) Toluene-d8			ND	11.36	91.1	79.4		75.1 - 127		
(S) 4-Bromofluorobenzene			ND	11.36	93.9	82.0		64.1 - 120		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1012162	**Prep Method:**	NA	**Prep Date:**	NA	**Prep Batch:**	NA
Matrix:	Water	**Analytical Method:**	SW8260B	**Analyzed Date:**	01/03/11	**Analytical Batch:**	403455
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.29	0.50	ND	17.04	109	106	2.74	61.4 - 129	30	
Benzene	0.33	0.50	ND	17.04	89.3	98.1	9.52	66.9 - 140	30	
Trichloroethylene	0.38	0.50	ND	17.04	96.1	101	5.11	69.3 - 144	30	
Toluene	0.19	0.50	ND	17.04	102	109	5.56	76.6 - 123	30	
Chlorobenzene	0.14	0.50	ND	17.04	95.4	104	7.90	73.9 - 137	30	
(S) Dibromofluoromethane			ND	11.36	95.5	101		61.2 - 131		
(S) Toluene-d8			ND	11.36	82.2	92.3		75.1 - 127		
(S) 4-Bromofluorobenzene			0.35	11.36	107	113		64.1 - 120		

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg.m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the anlayte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: ECM Group

Project Name: 5427 Telegraph Ave.Oakland,CA

Work Order No.: 1012162

Date and Time Received: 12/23/2010 15:50

Received By: navin

Physically Logged By: lorna

Checklist Completed By: lorna

Carrier Name: Gold Bullet Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	5	°C
Water-VOA vials have zero headspace?	Yes			
Water-pH acceptable upon receipt?				

pH Checked by: pH Adjusted by:

Login Summary Report

Client ID:	TL5158	ECM Group	**QC Level:**	
Project Name:	5427 Telegraph Ave.Oakland,CA		**TAT Requested:**	5+ day:0
Project # :			**Date Received:**	12/23/2010
Report Due Date:	1/4/2011		**Time Received:**	15:50

Comments: 5 day TAT!!! Recv'd 1 groundwater for TPHg ; MTBE ; BTEX ; EDB ; EDC.Pls. email an EDF result to rguptel@ecmgrp.com.Pls. bill to Telegraph Business properties

Work Order # : ***1012162***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1012162-001A	MW-2	12/20/10 10:03	Water	02/06/11			EDF W_TEPH-SG W_GCMS-GRO	

Torrent LABORATORY, INC.

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

RESET

CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 1012162

Company Name: ECM Group	Location of Sampling: 5427 Telegraph Ave. Oakland, CA
Address: P.O. Box 802	Purpose: Semi-Annual Monitoring Event
City: Benicia State: CA Zip Code: 94510	Special Instructions / Comments: Bill to: Telegraph Business Properties
Telephone: 707-751-0655 FAX: 707-751-0653	
REPORT TO: Rachel Gunter SAMPLER: D. West	P.O. #: 07-181-04 EMAIL: rgunter@ecmgrp.com

TURNAROUND TIME:
☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours
☒ ~~5~~ Work Days ☐ 1 Work Day ☐ Other

SAMPLE TYPE:
☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☒ ~~Ground~~ Water
☐ Soil

REPORT FORMAT:
☐ QC Level IV
☒ EDF
☐ Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TPH (G)	BTEX	5 Oxy's	EDB	EDC	EDB Stoddard Solvent			REMARKS
001A	MW-2	12-20-10 1003		4 - 40ml 1 1L	VOAS Amber	X	X	X	X	X	X	X		Temp 5°C

	Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:
1		D.E. WEST	12-22-10	12:15	M. Vasquez		12-23-10	10:15
2	Billy R. Lemon	B. LEMON	12/23/10	3:50	[illegible]		12-23-10	15:50

Were Samples Received in Good Condition? ☑ Yes ☐ NO Samples on Ice? ☑ Yes ☐ NO Method of Shipment: GB Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Page 1 of 1

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____

APPENDIX D

WATER SAMPLING DATA SHEETS

WATER LEVEL & PRODUCT MEASUREMENTS

ECM Group

DATE: 12/7/10

PROJECT NAME & NUMBER: Telegraph 07-18-04

BY: ZB

WELL ID	TIME MEASURED	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	TOTAL DEPTH	COMMENTS (well condition, odor, etc.)
3 MW-1			5.21	19.04	
5 MW-2			10.13	26.61	Car parked over well, owner could not be located. Can not sample at this time.
4 MW-3			8.68	20.04	
2 MW-4			6.32	19.42	
1 MW-5			5.08	19.10	

WATER SAMPLING DATA

Job Name Telegraph Job Number 07-181-04

Well Number MW-1 Date 12/7/10 Time 1315

Well Diameter 2" Well Depth (spec.) _____ Well Depth (sounded) 19.04

Depth to Water (static) 5.21 TOC elev. _____

G.W. Elev. _____ Maximum Drawdown Limit (if applicable) _____

Initial height of water in casing 13.83 Volume 2.3 gallons

Total to be evacuated = 3 x Initial Volume 6.9 gallons

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_5" casing = 1.47 gal/ft

Stop Time	Start Time	Bailed	Pumped	Cum. Gal.

Pumped or Bailed Dry? ___Yes ___No After _____ gallons Recovery Rate _____

Water color _____ Odor _____

Description of sediments or material in sample: _____

Additional Comments: _____

CHEMICAL DATA

Reading No.	1	2	3	4	5	6	7
Time	1303	1307	1310				
Gallons	2.3	2.3	2.3				
Temp. (degree F)	69.6	69.6	69.4				
pH	6.57	6.62	6.64				
EC (umhos/cm)	996	1174	1187				

Special Conditions _____

SAMPLES COLLECTED

Sample ID ml	Bottle/ cap	Filtered (size, u)	Preservative (type)	Refrig. (R, NR)	Lab (Init)	Analysis Requested

Bottles: P = Polyethylene; Pp = Polypropylene; C or B = Clear/Brown Glass; O = Other (describe)
Cap Codes: Py = Polyseal; V = VOA/Teflon septa; M = Metal.

Car parked over well, owner unable to be located.
Can not sample at this time.

WATER SAMPLING DATA

Job Name Telegraph Job Number 07-181-04
Well Number MW-2 Date 12/7/10 Time
Well Diameter 2" Well Depth (spec.) Well Depth (sounded)
Depth to Water (static) TOC elev.
G.W. Elev. Maximum Drawdown Limit (if applicable)

Initial height of water in casing Volume gallons
Total to be evacuated = 3 x Initial Volume gallons

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
2" casing = 0.163 gal/ft
4" casing = 0.367 gal/ft
6" casing = 0.653 gal/ft
8" casing = 0.826 gal/ft
12" casing = 1.47 gal/ft

Stop Time	Start Time	Bailed	Pumped	Cum. Gal.

Pumped or Bailed Dry? ___Yes ___No After gallons Recovery Rate
Water color Odor
Description of sediments or material in sample:
Additional Comments:

CHEMICAL DATA

Reading No.	1	2	3	4	5	6	7
Time							
Gallons							
Temp. (degree F)							
pH							
EC (umhos/cm)							
Special Conditions							

SAMPLES COLLECTED

Sample ID ml	Bottle/ cap	Filtered (size, u)	Preservative (type)	Refrig. (R, NR)	Lab (Init)	Analysis Requested

Bottles: P = Polyethylene; Pp = Polypropylene; C or B = Clear/Brown Glass; O = Other (describe)
Cap Codes: Py = Polyseal; V = VOA/Teflon septa; M = Metal

WATER SAMPLING DATA

Job Name Telegraph Job Number 07-181-04

Well Number MW-3 Date 12/7/16 Time 1355

Well Diameter 2" Well Depth (spec.) _____ Well Depth (sounded) 20.04

Depth to Water (static) 8.68 TOC elev. _____

G.W. Elev. _____ Maximum Drawdown Limit (if applicable) _____

Initial height of water in casing 11.36' Volume 1.9 gallons

Total to be evacuated = 3 x Initial Volume 5.7 gallons

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{5.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft

Stop Time	Start Time	Bailed	Pumped	Cum. Gal.

Pumped or Bailed Dry? ___Yes ___No After _____ gallons Recovery Rate _____

Water color _____ Odor _____

Description of sediments or material in sample: _____

Additional Comments: _____

CHEMICAL DATA

Reading No.	1	2	3	4	5	6	7
Time	1338	1346	1349				
Gallons	1.9	1.9	1.9				
Temp. (degree F)	68.3	68.0	67.7				
pH	6.70	6.71	6.68				
EC (umhos/cm)	1143	1120	1131				
Special Conditions							

SAMPLES COLLECTED

Sample ID ml	Bottle/ cap	Filtered (size, u)	Preservative (type)	Refrig. (R, NR)	Lab (Init)	Analysis Requested

Bottles: P = Polyethylene; Pp = Polypropylene; C or B = Clear/Brown Glass; O = Other (describe)
Cap Codes: Py = Polyseal; V = VOA/Teflon septa; M = Metal.

WATER SAMPLING DATA

Job Name Telegraph Job Number 07-181-04

Well Number MW-4 Date 12/7/10 Time 1155

Well Diameter 2" Well Depth (spec.) _____ Well Depth (sounded) 19.42

Depth to Water (static) 6.32 TOC elev. _____

G.W. Elev. _____ Maximum Drawdown Limit (if applicable) _____

Initial height of water in casing 13.10 Volume 2.1 gallons

Total to be evacuated = 3 x Initial Volume 6.3 gallons

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_5" casing = 1.47 gal/ft

Stop Time	Start Time	Bailed	Pumped	Cum. Gal.

Pumped or Bailed Dry? ___Yes ___No After _____ gallons Recovery Rate _____

Water color _____ Odor _____

Description of sediments or material in sample: _____

Additional Comments: _____

CHEMICAL DATA

Reading No.	1	2	3	4	5	6	7
Time	1141	1145	1149				
Gallons	2.1	2.1	2.1				
Temp. (degree F)	62.8	63.6	63.4				
pH	6.80	6.83	6.84				
EC (umhos/cm)	602	598	614				
Special Conditions							

SAMPLES COLLECTED

Sample ID	Bottle/ ml	cap	Filtered (size, u)	Preservative (type)	Refrig. (R, NR)	Lab (Init)	Analysis Requested

Bottles: P = Polyethylene; Pp = Polypropylene; C or B = Clear/Brown Glass; O = Other (describe)
Cap Codes: Py = Polyseal; V = VOA/Teflon septa; M = Metal

WATER SAMPLING DATA

Job Name Telegraph Job Number 07-181-09

Well Number MW-5 Date 12/7/16 Time 1115

Well Diameter 2" Well Depth (spec.) _____ Well Depth (sounded) 19.10

Depth to Water (static) 5.08 TOC elev. _____

G.W. Elev. _____ Maximum Drawdown Limit (if applicable) _____

Initial height of water in casing 14.02 Volume 2.3 gallons

Total to be evacuated = 3 x Initial Volume 6.9 gallons

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft

Stop Time	Start Time	Bailed	Pumped	Cum. Gal.

Pumped or Bailed Dry? ___Yes ___No After _____ gallons Recovery Rate _____

Water color _____ Odor _____

Description of sediments or material in sample: _____

Additional Comments: _____

CHEMICAL DATA

Reading No.	1	2	3	4	5	6	7
Time	1058	1104	1108				
Gallons	2.3	2.3	2.3				
Temp. (degree F)	65.6	65.5	65.8				
pH	6.52	6.37	6.44				
EC (umhos/cm)	682	689	675				
Special Conditions							

SAMPLES COLLECTED

Sample ID ml	Bottle/ cap	Filtered (size, u)	Preservative (type)	Refrig. (R, NR)	Lab (Init)	Analysis Requested

Bottles: P = Polyethylene; Pp = Polypropylene; C or B = Clear/Brown Glass; O = Other (describe)
Cap Codes: Py = Polyseal; V = VOA/Teflon septa; M = Metal.

WATER SAMPLING DATA

Job Name Telegraph Job Number 07-181-04
Well Number MW-2 Date 12-20-10 Time 1003
Well Diameter _____ Well Depth (spec.) _____ Well Depth (sounded) 26.61
Depth to Water (static) 9.81 TOC elev. _____
G.W. Elev. _____ Maximum Drawdown Limit (if applicable) _____

Initial height of water in casing 16.80' Volume 2.7 gallons
Total to be evacuated = 3 x Initial Volume 8.1 gallons

Formulas/Conversions
r = well radius in ft
h = ht of water col. in ft
vol. in cyl. = $\pi r^2 h$
7.48 gal/ft³
V_2" casing = 0.163 gal/ft
V_3" casing = 0.367 gal/ft
V_4" casing = 0.653 gal/ft
$V_{4.5}$" casing = 0.826 gal/ft
V_6" casing = 1.47 gal/ft

Stop Time	Start Time	Bailed	Pumped	Cum. Gal.

Pumped or Bailed Dry? ___Yes ___No After _____ gallons Recovery Rate _____
Water color _____ Odor _____
Description of sediments or material in sample: _____
Additional Comments: _____

CHEMICAL DATA

Reading No.	1	2	3	4	5	6	7
Time	0950	0955	1000				
Gallons	2.7	5.4	8.1				
Temp. (degree F)	60.4	62.9	63.4				
pH	6.80	6.73	6.71				
EC (umhos/cm)	1574	1425	1466				
Special Conditions							

SAMPLES COLLECTED

Sample ID ml	Bottle/ cap	Filtered (size, u)	Preservative (type)	Refrig. (R, NR)	Lab (Init)	Analysis Requested

Bottles: P = Polyethylene; Pp = Polypropylene; C or B = Clear/Brown Glass; O = Other (describe)
Cap Codes: Py = Polyseal; V = VOA/Teflon septa; M = Metal.

APPENDIX E

ECM STANDARD OPERATING PROCEDURE

ECM STANDARD OPERATING PROCEDURE

GROUND WATER SAMPLING

The following describes sampling procedures used by ECM field personnel to collect and handle ground water samples. Before samples are collected, careful consideration is given to the type of analysis to be performed so that precautions are taken to prevent loss of volatile components or contamination of the sample, and to preserve the sample for subsequent analysis. Wells will be sampled no less than 24 hours after well development. Collection methods specific to ground water sampling are presented below.

Prior to sampling, each well is purged of a minimum of three well casing volumes of water using a steam-cleaned PVC bailer, or a pre-cleaned pump. Temperature, pH and electrical conductivity are measured at least three times during purging. Purging is continued until these parameters have stabilized (i.e., changes in temperature or conductivity do not exceed 10% and changes in pH do not exceed one unit).

Ground water samples are collected from the wells/borings with steam-cleaned or disposable Teflon bailers. The water samples are decanted into the appropriate container for the analysis to be performed. Pre-preserved sample containers may be used or the analytic laboratory may add preservative to the sample upon arrival. Duplicate samples are collected from each well as a back-up sample and/or to provide quality control. The samples are labeled to include the project number, sample ID, date, preservative, and the field person's initials. The samples are placed in polyethylene bags and in an ice chest (maintained at 4˚C with blue ice or ice) for transport under chain-of-custody to the laboratory.

The chain-of-custody form includes the project number, analysis requested, sample ID, date analysis and the ECM field person's name. The form is signed and dated (with the transfer time) by each person who yields or receives the samples beginning with the field personnel and ending with the laboratory personnel.

APPENDIX F

RESPONSIBLE PARTY CERTIFICATION

January 17, 2011

Bob Legallet
Telegraph Business Properties
1401 Griffith Street
San Francisco, CA 94214

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document are true and correct to the best of my knowledge.

Sincerely

Bob Legallet
Telegraph Business Properties