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Alameda County
Environmental Health



ENVIRONMENTAL ENGINEERING, INC.
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January 5, 2010

Ms. Molly Ong
East Bay Municipal Utility District
EDMUD – Mail Slot #702
P. O. Box 24055
Oakland, CA 94623-1055

Re: 3609 International Boulevard, Oakland, California 94601
Wastewater Discharge Permit No. 504-27421

Dear Ms. Ong:

Enclosed is SOMA's "Semi-Annual Technical Report: Treatment System Discharge to EBMUD Sewer for Permit No. 504-27421 from July to December 2009" for the subject site. This report has been uploaded to the State's GeoTracker database.

Thank you for your time in reviewing our report. If you have any questions or comments, please call me at (925) 734-6400.

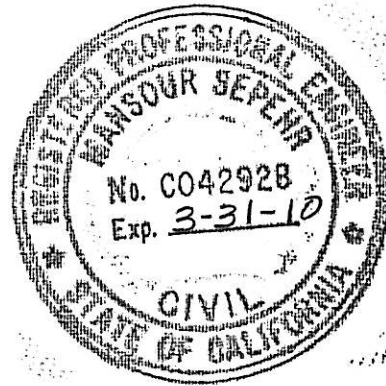
Sincerely,

A handwritten signature in black ink, appearing to read "Mansour Sepehr", written over a horizontal line.

Mansour Sepehr, PhD., PE
Principal Hydrogeologist

Enclosure

cc: Mr. Abolghassem Razi w/enclosure
Mr. Jerry Wickham w/o enclosure
Alameda County Dept. of Env. Health



**Semi-Annual Technical Report:
Treatment System Discharge to EBMUD Sewer
For Permit No. 5042742 1
July through December 2009**

**Tony's Express Auto Service
3609 International Boulevard
Oakland, California**

January 5, 2010

Project 2333

**Prepared for
Tony's Express Auto Service
3609 International Boulevard
Oakland, California**



ENVIRONMENTAL ENGINEERING, INC.

6620 Owens Drive Suite A Pleasanton CA 94588 Ph: 925.734.6400 F: 925.734-6401 www.somaenv.com

Certification Statement

Chief Executive Officer

Abolghassem Razi
Name

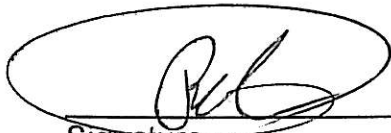
Owner
Title

3609 International Boulevard
Street Address

Oakland
City

94601
Zip

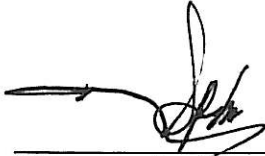
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that the qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.


Signature

1-5-10
Date

CERTIFICATION

SOMA Environmental Engineering, Inc. has prepared this report on behalf of Mr. Abolghassem Razi, property owner of 3609 International Boulevard, Oakland, California, to comply with East Bay Municipal Utility District requirements for discharge of extracted and treated groundwater resulting from cleanup of groundwater polluted by fuel leaks and other related wastes.



Mansour Sepehr, PhD, PE
Principal Hydrogeologist

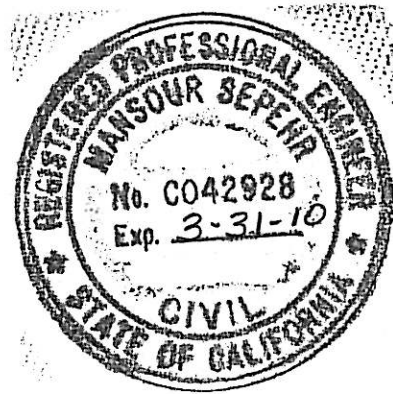


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1. INTRODUCTION

This report presents a record of wastewater discharged from the remediation system located at 3609 International Boulevard, Oakland, California into the East Bay Municipal Utility District (EBMUD) sewer system from July through December 2009. The treatment system is operated by SOMA Environmental Engineering, Inc. (SOMA). SOMA prepared this report on behalf of Mr. Abolghassem Razi, the property owner.

2. TREATMENT SYSTEM OPERATION

The treatment system began operating on December 6, 1999. Approximately 4,336,830 gallons of groundwater have been treated and discharged into the EBMUD sewer system (as of December 30, 2009).

SOMA has conducted regular maintenance and sampling of the treatment system since system startup. Influent samples have been collected from the 200-gallon holding tank. Samples have been collected from effluent of the 2,000-pound granular activated carbon unit (GAC-1) and the treatment system effluent (PSP#1).

Table 1 shows the total volume of effluent discharged into the EBMUD sewer system, laboratory analysis results of samples collected from effluent of the GAC-1 unit and the treatment system, and pertinent maintenance history.

Appendix A includes laboratory reports for treatment system samples collected from July through December 2009.

3. CONCLUSIONS AND RECOMMENDATIONS

From the last reporting date, June 22, 2009 to December 30, 2009, approximately 91,160 gallons of groundwater have been treated and discharged into the on-site sewer main;

1. The permit specifies an allowable discharge rate of approximately 1,900 gallons per day. During this reporting period, approximately 477 gallons/day were discharged to the site sewer main.
2. Therefore, based on the discharge flow rate and non-detectable system effluent concentration levels, the remedial system has remained in compliance with the EBMUD permit conditions.

TABLE 1

Total Volume of Water Treated, Operational Data, and Effluent and GAC-1 Analytical Results

Table 1
Total Volume of Water Treated, Historical Operational Data,
and Laboratory Analytical Results for PSP #1 (Effluent) and GAC-1 Samples
3609 International Boulevard, Oakland, California

Month	Date	Effluent	Lab Results For PSP #1 ¹ and GAC-1 Samples					
		Totalizer Reading (gallons)	MtBE ² (ug/L)	TPH-g (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)
2009								
December	12/14/2009	4,323,550	<0.5 <0.5	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
September	9/4/2009	4,269,770	<0.5 <0.5	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
June	6/8/2009	4,239,570	<0.5 <0.5	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
March	3/17/2009	4,133,498	<0.5 <0.5	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
2008								
December	12/11/2008	4,013,030	<0.5 <0.5	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
September	9/8/2008	3,973,338	<0.5 <0.5	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
June	6/9/2008	3,927,778	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<2.0 <2.0
May	5/21/2008	55-gallon polishing vessel changed						
March	3/4/2008	3,839,508	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<2.0 <2.0
2007								
October	10/31/2007	3,673,410	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<2.0 <2.0
July	7/27/2007	3,643,880	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<2.0 <2.0
May	5/17/2007	3,590,070	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<2.0 <2.0

Table 1
Total Volume of Water Treated, Historical Operational Data,
and Laboratory Analytical Results for PSP #1 (Effluent) and GAC-1 Samples
3609 International Boulevard, Oakland, California

Month	Date	Effluent Totalizer Reading (gallons)	Lab Results For PSP #1 ¹ and GAC-1 Samples					
			MtBE ² (ug/L)	TPH-g (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl- benzene (ug/L)	Total Xylenes (ug/L)
April	4/27/2007	3,561,230	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<2.0 <2.0
	4/20/2007	3,546,800	Startup of groundwater extraction from the new extraction well EX-1. As of this date, groundwater is being extracted from three wells at the site (EX-1, West Riser, and Center Riser).					
March	3/16/2007	3,528,090	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<2.0 <2.0
February	2/22/2007	3,510,560	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<2.0 <2.0
	2/19/2007	3,508,300	Carbon Change-out of 2000 lb vessel and 55 gallon polishing vessel					
January	1/16/2007	3,488,140	<0.5 1.37	<50 <50	<0.5 1.68	<2.0 <2.0	<0.5 1.25	<2.0 <2.0
2006								
December	12/22/2006	3,469,890	<0.5 <0.5	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
November	11/20/2006	3,455,980	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<2.0 <2.0
October	10/18/2006	3,447,850	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
September	9/27/2006	3,441,500	<0.5 <0.5	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
August	8/14/2006	3,425,340	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
July	7/24/2006	3,414,800	<0.5 <0.5	<50 <50	<0.5 0.94	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
June	6/15/2006	3,387,940	Carbon Change-out of 2000 lb vessel and 55 gallon polishing vessel					
	6/7/2006	3,379,880	<0.5 2.89	<50 <50	<0.5 5.3	<2.0 <2.0	<0.5 1.24	<1.0 4.91
May	5/18/2006	3,350,260	replaced existing 200 gallon holding tank with newer 200 gallon tank					
May	5/11/2006	3,337,750	<0.5 0.61	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
April	4/19/2006	3,268,110	<0.5 1.66	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
	4/10/2006	3,236,770	Carbon Change-out of 2000 lb vessel and 55 gallon polishing vessel					

Table 1
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Month	Date	Effluent Totalizer Reading (gallons)	Lab Results For PSP #1 ¹ and GAC-1 Samples					
			MtBE ² (ug/L)	TPH-g (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl- benzene (ug/L)	Total Xylenes (ug/L)
2006								
March	3/10/2006	3,220,570	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
February	2/10/2006	3,186,590	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
January	1/4/2006	3,122,610	<0.5 <0.5	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
2005								
December	12/9/2005	3,081,750	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
November	11/14/2005	3,072,540	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
October	10/17/2005	3,065,260	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
September	9/29/2005	3,060,640	Replaced existing 2000 lb carbon vessel with newer 2000 lb vessel, also replaced 55 gallon polishing vessel					
	9/12/2005	3,055,676	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
August	8/8/2005	3,042,586	<0.5 0.51	<200 <200	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
July	7/7/2005	3,026,010	<0.5 <0.5	<200 <200	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
June	6/9/2005	3,000,386	<0.5 0.61	<200 <200	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
May	5/9/2005	2,971,430	<0.5 <0.5	<200 <200	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<1.0 <1.0
	5/4/2005	2,964,270	Carbon Change-out of 2000 lb vessel and 55 gallon polishing vessel totalizer changed at meter reading of 2,189,270					
April	4/4/2005	2,904,500	<0.5 <0.5	<200 <200	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<1.0 <1.0

Table 1
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3609 International Boulevard, Oakland, California

Month	Date	Effluent Totalizer Reading (gallons)	Lab Results For PSP #1 ¹ and GAC-1 Samples					
			MtBE ² (ug/L)	TPH-g (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl- benzene (ug/L)	Total Xylenes (ug/L)
2005								
March	3/21/2005	2,874,170	<0.5 <0.5	<200 <200	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<1.0 <1.0
February	2/14/2005	2,828,000	55 Gallon Drum Changed Out					
	2/7/2005	2,819,000	<5.0 <5.0	<50 <50	<5.0 <5.0	<5.0 <5.0	<5.0 <5.0	<5.0 <5.0
January	1/19/2005	2,775,000	Carbon Change-out of 2000 lb vessel and 55 gallon polishing vessel					
	1/3/2005	2,730,480	3.6 3.8	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
2004								
December	12/6/2004	2,667,620	<0.5 <0.5	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<1.0 <1.0
November	11/8/2004	2,631,600	<0.5 <0.5	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
October	10/13/2004	2,606,420	< 2.0 <2.0	< 50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
September	9/13/2004	2,594,390	< 2.0 < 2.0	< 50 < 50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
August	8/25/2004	2,586,010	55 Gallon Drum Changed Out					
	8/9/2004	2,581,250	< 2.0 < 2.0	< 50 < 50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
July	7/13/2004	2,568,830	< 2.0 < 2.0	< 50 < 50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
	7/21/2004	2,564,710	55 Gallon Drum Changed Out					
June	6/14/2004	2,549,470	< 2.0 < 2.0	< 50 < 50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
May	5/26/2004	2,530,000	Carbon Change-out of 2000 lb vessel and 55 gallon polishing vessel Semi Annual Treatment System Meeting With Ebmud Replaced 55-gallon polishing vessel and restarted the system Carbon Changed Out and 55 Gallon Drum Changed Out					
	5/10/2004	2,488,760						
	5/17/2004	2,518,910						
	5/5/2004	2,500,650						
	5/3/2004	2,497,350	< 2.0 < 2.0	< 50 < 50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
April	4/15/2004	2,436,190	< 5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0

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Month	Date	Effluent Totalizer Reading (gallons)	Lab Results For PSP #1 ¹ and GAC-1 Samples					
			MtBE ² (ug/L)	TPH-g (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl- benzene (ug/L)	Total Xylenes (ug/L)
2004								
March	3/17/2004	2,376,200	Carbon Change-out of 2000 lb vessel and 55 gallon polishing vessel					
February	2/24/2004	2,276,770	< 5.0 <5.0	< 5.0 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
January	1/27/2004	2,165,220	< 5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
	1/13/2004	2,116,720	< 5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
2003								
December	12/8/2003	2,092,330	< 5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
November	11/17/2003	2,087,670	< 5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
	11/3/2003	2,079,460	< 5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
October	10/13/2003	2,073,060	5.3 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
	10/1/2003	2,072,610	Carbon Change-out of 2000 lb vessel and 55 gallon polishing vessel					
September	9/15/2003	2,056,910	<5.0 6	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
	9/2/2003	2,040,040	<5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
August	8/19/2003	2,021,040	<5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
July	7/21/2003	1,995,240	< 5.0 40	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
	7/9/2003	1,990,260	< 5.0 36	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
June	6/18/2003	1,978,560	Carbon Change-out of 2000 lb vessel and 55 gallon polishing vessel					
	6/10/2003	1,972,780	< 5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
May	5/21/2003	1,951,830	< 5.0 < 5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
	5/1/2003	1,918,270	< 5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
April	4/11/2003	1,882,440	< 5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0

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Month	Date	Effluent Totalizer Reading (gallons)	Lab Results For PSP #1 ¹ and GAC-1 Samples						
			MtBE ² (ug/L)	TPH-g (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl- benzene (ug/L)	Total Xylenes (ug/L)	
2003									
March	3/19/2003	1,846,490	< 5.0 < 5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	
February	2/25/2003 2/19/2003	1,804,960 1,791,720	replaced 55-gallon polishing vessel with new 55 gallon carbon drum						< 5.0 < 5.0
January	1/27/2003	1,733,500	< 5.0 < 5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	
	1/2/2003	1,675,600	< 5.0 < 5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	
2002									
December	12/10/2002	1,672,870	< 5.0 < 5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	
November	11/22/2002	1,668,650	< 5.0 < 5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	
	11/13/2002	1,664,780	replaced gasket on top of 2000 lb GAC vessel, slight leak was detected						
	11/7/2002	1,663,880	Carbon Change-out of 2000 lb vessel and 55 gallon polishing vessel						
October	10/16/02 ³	1,661,590	< 310 < 0.5	2,000 Y Z < 50	< 310 < 0.5	< 310 < 0.5	< 310 < 0.5	< 310 < 0.5	
September	9/19/2002	1,653,600	< 5 < 5	< 50 < 50	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5	
August	8/23/2002	1,641,650	1 < 0.5	< 50 < 50	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	
July	7/23/2002	1,632,834	<5.0 < 5.0	< 50 < 50	<5.0 < 5.0	<5.0 < 5.0	<5.0 < 5.0	<5.0 < 5.0	
June	6/24/2002	1,610,050	1.7 < 0.5	< 50 < 50	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	
May	5/30/2002	1,571,630	< 0.5 < 0.5	< 50 < 50	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	
	5/20/2002	1,548,000	removed newly installed compressor, installed another compressor						
	5/8/2002	1,538,850	installed new compressor						
	5/1/2002	1,529,650	installed new 55 gallon GAC Vessel						
April	4/24/2002	1,528,740	< 0.5 < 0.5	< 50 < 50	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	
	4/1/2002	1,478,500	repaired valve plate assembly on compressor						

Table 1
Total Volume of Water Treated, Historical Operational Data,
and Laboratory Analytical Results for PSP #1 (Effluent) and GAC-1 Samples
3609 International Boulevard, Oakland, California

Month	Date	Effluent	Lab Results For PSP #1 ¹ and GAC-1 Samples					
		Totalizer Reading (gallons)	MtBE ² (ug/L)	TPH-g (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-benzene (ug/L)	Total Xylenes (ug/L)
2002								
March	3/25/2002 3/18/2002 3/14/2002	1,478,420 NR 1,478,330	performed carbon change-out on treatment system replaced piston on compressor compressor not building up pressure					
February	2/27/2002	1,449,830	< 0.5 1.1	< 50 < 50	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5
January	1/22/2002	1,381,370	< 2.0 < 2.0	< 50 < 50	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5
2001								
December	12/12/2001	1,311,340	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
November	11/2/2001	1,272,660	ND 0.6	ND ND	ND ND	ND ND	ND ND	ND ND
September	9/28/2001	NA	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
August	8/22/2001	1,243,100	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
July	7/26/2001 7/11/2001	1,227,270 1,226,730	ND ND NA NA	ND ND NA NA	ND ND NA NA	ND ND NA NA	ND ND NA NA	ND ND NA NA
June	6/29/2001 6/26/2001 6/16/2001 6/7/2001	1,224,600 NR 1,216,580 1,216,580	NA ND NA NA	NA ND NA NA	NA ND NA NA	NA ND NA NA	NA ND NA NA	NA ND NA NA
installed new compressor compressor not working, repaired compressor								
May	5/30/2001 5/23/2001 5/17/2001 5/10/2001 5/5/2001	1,205,198 1,194,390 1,182,360 1,166,850 1,151,600	NA NA ND NA NA	NA NA ND NA NA	NA NA ND NA NA	NA NA ND NA NA	NA NA ND NA NA	NA NA ND NA NA
April	4/28/2001 4/21/2001 4/11/2001 4/6/2001	1,135,690 1,113,570 1,082,700 1,065,540	NA NA NA NA	NA NA ND ND	NA NA ND ND	NA NA ND ND	NA NA ND ND	NA NA ND ND

Table 1
Total Volume of Water Treated, Historical Operational Data,
and Laboratory Analytical Results for PSP #1 (Effluent) and GAC-1 Samples
3609 International Boulevard, Oakland, California

Month	Date	Effluent Totalizer Reading (gallons)	Lab Results For PSP #1 ¹ and GAC-1 Samples						
			MtBE ² (ug/L)	TPH-g (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl- benzene (ug/L)	Total Xylenes (ug/L)	
2001									
March	3/29/2001	1,036,330	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	
	3/21/2001	1,036,070	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	
	system was re-started								
	3/17/2001	1,035,100	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	
	belt replaced on compressor								
	3/13/2001	1,032,500	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA	
	3/2/2001	996,520	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	
	3/1/2001	NR	system re-started after carbon change-out						
February	2/28/2001	NR	Carbon Change-out was performed on GAC-1, washed algae from holding tank, cleaned 2000 lb GAC, re-started system System shut down for maintenance and cleaning.						
	2/10/2001	975,490							
January	1/29/2001	957,880	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	
2000									
December	12/5/2000	883,000	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	
November	11/24/2000	NR	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	
	11/1/2000	842,000	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	
October	10/1/2000	809,000	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	
August	8/27/2000	781,000	ND	ND	ND	ND	ND	ND	
	8/24/2000	778,000							totalizer changed at meter reading of 775,000
July	7/26/2000	726,000	ND	ND	ND	ND	ND	ND	
	7/19/2000	718,000	ND	ND	ND	ND	ND	ND	
	7/13/2000	712,000	ND	ND	ND	ND	ND	ND	
	7/7/2000	706,000	ND	ND	ND	ND	ND	ND	

Table 1
Total Volume of Water Treated, Historical Operational Data,
and Laboratory Analytical Results for PSP #1 (Effluent) and GAC-1 Samples
3609 International Boulevard, Oakland, California

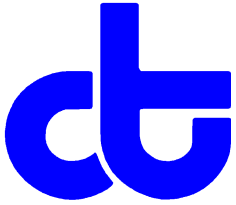
		Effluent	Lab Results For PSP #1 ¹ and GAC-1 Samples						
		Totalizer Reading	MtBE ²	TPH-g	Benzene	Toluene	Ethyl-benzene	Total Xylenes	
Month	Date	(gallons)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	
2000									
June	6/29/2000	700,000	ND	ND	ND	ND	ND	ND	
	6/21/2000	682,220	ND	ND	ND	ND	ND	ND	
May	6/16/2000	669,720	ND	ND	ND	ND	ND	ND	
	6/10/2000	651,200	ND	ND	ND	ND	ND	ND	
	5/31/2000	629,000	ND	ND	ND	ND	ND	ND	
	5/23/2000	603,700	ND	ND	ND	ND	ND	ND	
	5/18/2000	570,000	ND	ND	ND	ND	ND	ND	
	5/10/2000	530,400	ND	ND	ND	ND	ND	ND	
April	4/30/2000	488,300	ND	ND	ND	ND	ND	ND	
	4/18/2000	485,300	ND	ND	ND	ND	ND	0.51	
	compressor stopped, system shut down until April 29, 2000								
	4/10/2000	440,200	ND	ND	ND	ND	ND	ND	
	4/4/2000	390,100	ND	ND	ND	ND	ND	ND	
	4/2/2000	NR	performed a carbon change-out on GAC-1						
March	3/31/2000	NR	replaced GAC-2 with a special GAC designed for removal of MtBE						
	3/24/2000	388,000	ND	ND	ND	ND	ND	ND	
	3/17/2000	357,100	ND	ND	ND	ND	ND	ND	
	3/10/2000	329,000	ND	ND	ND	ND	ND	ND	
	3/3/2000	300,000	transfer overheated, repaired pump, restarted system 3/6/00						
February	2/25/2000	274,000	ND	ND	ND	ND	ND	ND	
	2/18/2000	233,000	ND	ND	ND	ND	ND	ND	
	2/11/2000	190,000	ND	ND	ND	ND	ND	ND	
	2/4/2000	160,800	ND	ND	ND	ND	ND	ND	
January	1/28/2000	130,600	ND	ND	ND	ND	ND	ND	
	1/21/2000	103,435	ND	ND	ND	ND	ND	ND	
	1/17/2000	NR	GAC-1 was replaced with 2,000 lb GAC unit						
	1/14/2000	83,500	second polishing GAC was replaced with 55 gallon GAC unit						
			185	ND	ND	ND	ND	ND	
1999									
December	12/23/1999	51,680	1486	NA	ND	ND	ND	ND	
			ND	NA	ND	ND	ND	ND	
	12/16/1999	30,450	963	NA	ND	ND	ND	ND	
				ND	NA	ND	ND	ND	
	12/9/1999	9,000	230	ND	ND	ND	ND	ND	
Pumping began on December 6, 1999									

Notes:

- The designator "Effluent" used on sampling and laboratory documents refers to samples collected from PSP #1.
 - MTBE was analyzed using EPA Method 8260B, prior to the September 2003. After September 2003, MtBE was only analyzed by EPA Method 8021B.
 - Lab data as shown for Oct. 2002 is erroneous data. During lab analysis a high detection of 2-Butanone was detected in only the effluent sample. The influent sample for 2-Butanone was at only 20 ppb. This caused a high dilution factor causing a high non-detectable value. The high TPH-g value was misrepresentative due to the Y and Z flags.
- ND, < : Not Detected above laboratory reporting limits
 NA: Not Analyzed
 NR: Not recorded. Totalizer reading not recorded.
 Y: Sample exhibits fuel pattern which does not resemble standard
 Z: Sample exhibits unknown single peak or peaks

APPENDIX A

Laboratory Results and Chain of Custody Forms for the Treatment System



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

**Laboratory Job Number 214660
ANALYTICAL REPORT**

SOMA Environmental Engineering Inc.
6620 Owens Dr.
Pleasanton, CA 94588

Project : 2333
Location : 3609 International Blvd
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
PSP-1	214660-001
GAC-1	214660-002
INFLUENT	214660-003

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____

Project Manager

Date: 09/11/2009

NELAP # 01107CA

CASE NARRATIVE

Laboratory number: 214660
Client: SOMA Environmental Engineering Inc.
Project: 2333
Location: 3609 International Blvd
Request Date: 09/04/09
Samples Received: 09/04/09

This data package contains sample and QC results for three water samples, requested for the above referenced project on 09/04/09. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

No analytical problems were encountered.

CHAIN OF CUSTODY

Curtis & Tompkins, Ltd.
 Analytical Laboratory Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 Phone
 (510)486-0532 Fax

214660

C&T LOGIN # _____

Sampler: Jesse Acedillo

Report To: Joyce Bobek

Company : SOMA Environmental

Telephone: 925-734-6400

Fax: 925-734-6401

Project No: 2333

Project Name: 3609 International Blvd. Oakland CA

Turnaround Time: Standard

Analysis

TPHg , BTEX, MtBE 8260B																		
*																		
*																		
*																		

Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative											
			Soil	Water	Waste		HCL	H2SO4	HNO3	ICE								
1	PSP-1	9/4/9 @ 0830		*		4 VOAs	*											
2	GAC-1	↓ 9 @ 0845		*		4 VOAs	*											
3	INFLUENT	↓ 9 @ 0900		*		4 VOAs	*											

Notes: EDF OUTPUT REQUIRED
 Received cob intact
 in ice.

RELINQUISHED BY:
Jesse Acedillo
 9/4/9 @ 1045 DATE/TIME
 _____ DATE/TIME
 _____ DATE/TIME

RECEIVED BY:
Pat Langley 9/4/09 10:45 DATE/TIME
 _____ DATE/TIME
 _____ DATE/TIME

Gasoline by GC/MS			
Lab #:	214660	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	09/04/09
Units:	ug/L	Received:	09/04/09
Batch#:	154748	Analyzed:	09/10/09

Field ID: INFLUENT Lab ID: 214660-003
 Type: SAMPLE Diln Fac: 10.00

Analyte	Result	RL
Gasoline C7-C12	790	500
MTBE	6.8	5.0
Benzene	45	5.0
Toluene	9.9	5.0
Ethylbenzene	23	5.0
m,p-Xylenes	42	5.0
o-Xylene	10	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	112	84-120
1,2-Dichloroethane-d4	123	75-137
Toluene-d8	100	90-111
Bromofluorobenzene	110	83-123

Type: BLANK Diln Fac: 1.000
 Lab ID: QC511413

Analyte	Result	RL
Gasoline C7-C12	ND	50
MTBE	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	106	84-120
1,2-Dichloroethane-d4	120	75-137
Toluene-d8	101	90-111
Bromofluorobenzene	107	83-123

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Gasoline by GC/MS			
Lab #:	214660	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	154748
Units:	ug/L	Analyzed:	09/10/09
Diln Fac:	1.000		

Type: BS Lab ID: QC511414

Analyte	Spiked	Result	%REC	Limits
MTBE	20.00	22.45	112	70-117
Benzene	20.00	21.12	106	83-119
Toluene	20.00	20.85	104	84-120
Ethylbenzene	20.00	21.06	105	87-122
m,p-Xylenes	40.00	43.20	108	84-123
o-Xylene	20.00	21.34	107	84-118

Surrogate	%REC	Limits
Dibromofluoromethane	109	84-120
1,2-Dichloroethane-d4	113	75-137
Toluene-d8	100	90-111
Bromofluorobenzene	109	83-123

Type: BSD Lab ID: QC511415

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	20.00	22.63	113	70-117	1	10
Benzene	20.00	21.66	108	83-119	3	12
Toluene	20.00	21.66	108	84-120	4	12
Ethylbenzene	20.00	22.04	110	87-122	5	12
m,p-Xylenes	40.00	45.48	114	84-123	5	12
o-Xylene	20.00	21.73	109	84-118	2	11

Surrogate	%REC	Limits
Dibromofluoromethane	107	84-120
1,2-Dichloroethane-d4	112	75-137
Toluene-d8	102	90-111
Bromofluorobenzene	106	83-123

RPD= Relative Percent Difference

Batch QC Report

Gasoline by GC/MS			
Lab #:	214660	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	154748
Units:	ug/L	Analyzed:	09/10/09
Diln Fac:	1.000		

Type: BS Lab ID: QC511416

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	964.6	96	86-111

Surrogate	%REC	Limits
Dibromofluoromethane	107	84-120
1,2-Dichloroethane-d4	117	75-137
Toluene-d8	100	90-111
Bromofluorobenzene	110	83-123

Type: BSD Lab ID: QC511417

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	938.3	94	86-111	3	13

Surrogate	%REC	Limits
Dibromofluoromethane	107	84-120
1,2-Dichloroethane-d4	117	75-137
Toluene-d8	100	90-111
Bromofluorobenzene	109	83-123

RPD= Relative Percent Difference

Date : 10-SEP-2009 22:19

Client ID: DYNA P&T

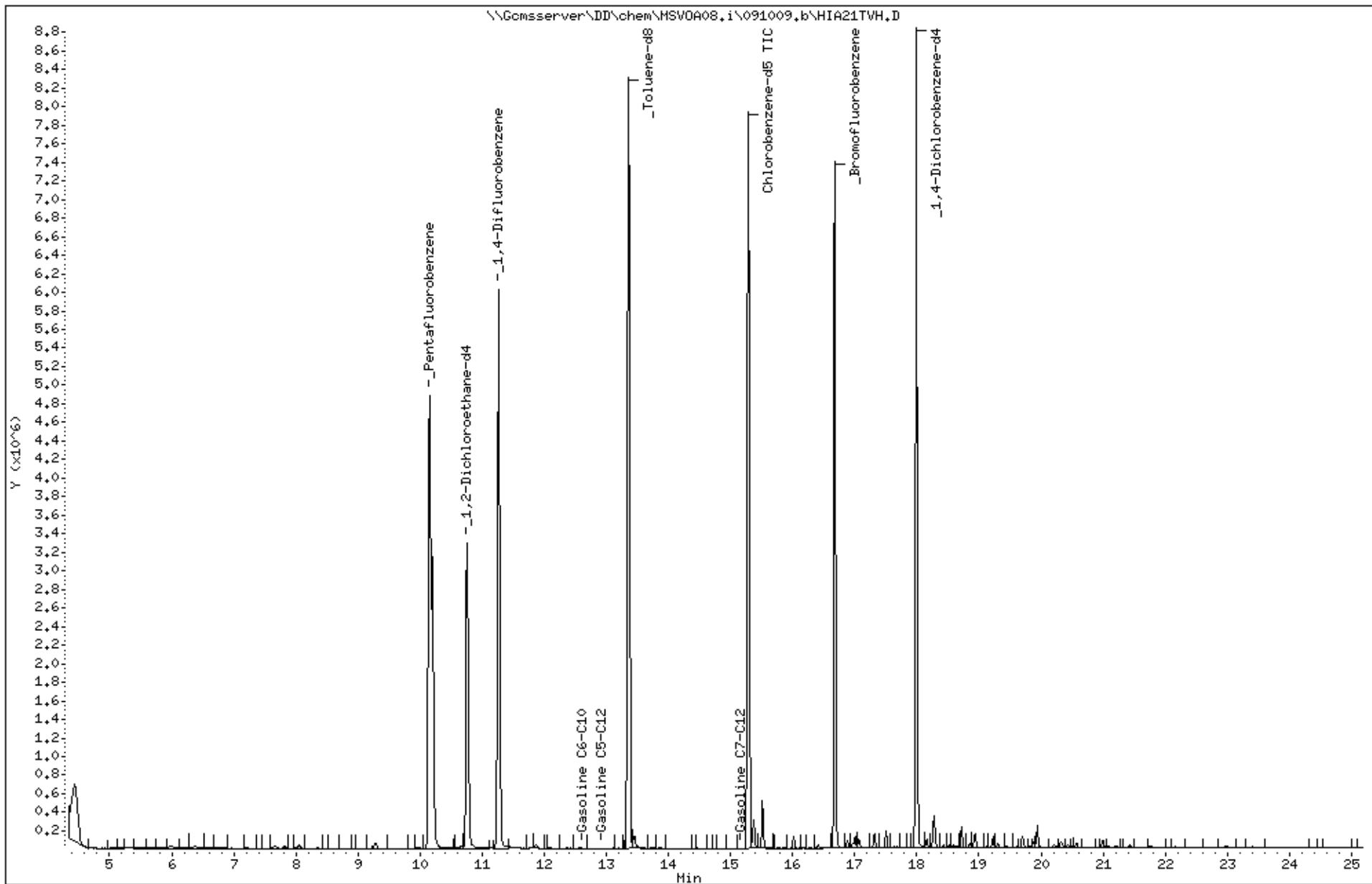
Sample Info: S,214660-003

Instrument: MSV0A08.i

Operator: voc

Column diameter: 2.00

Column phase:



Date : 10-SEP-2009 11:26

Client ID: DYNA P&T

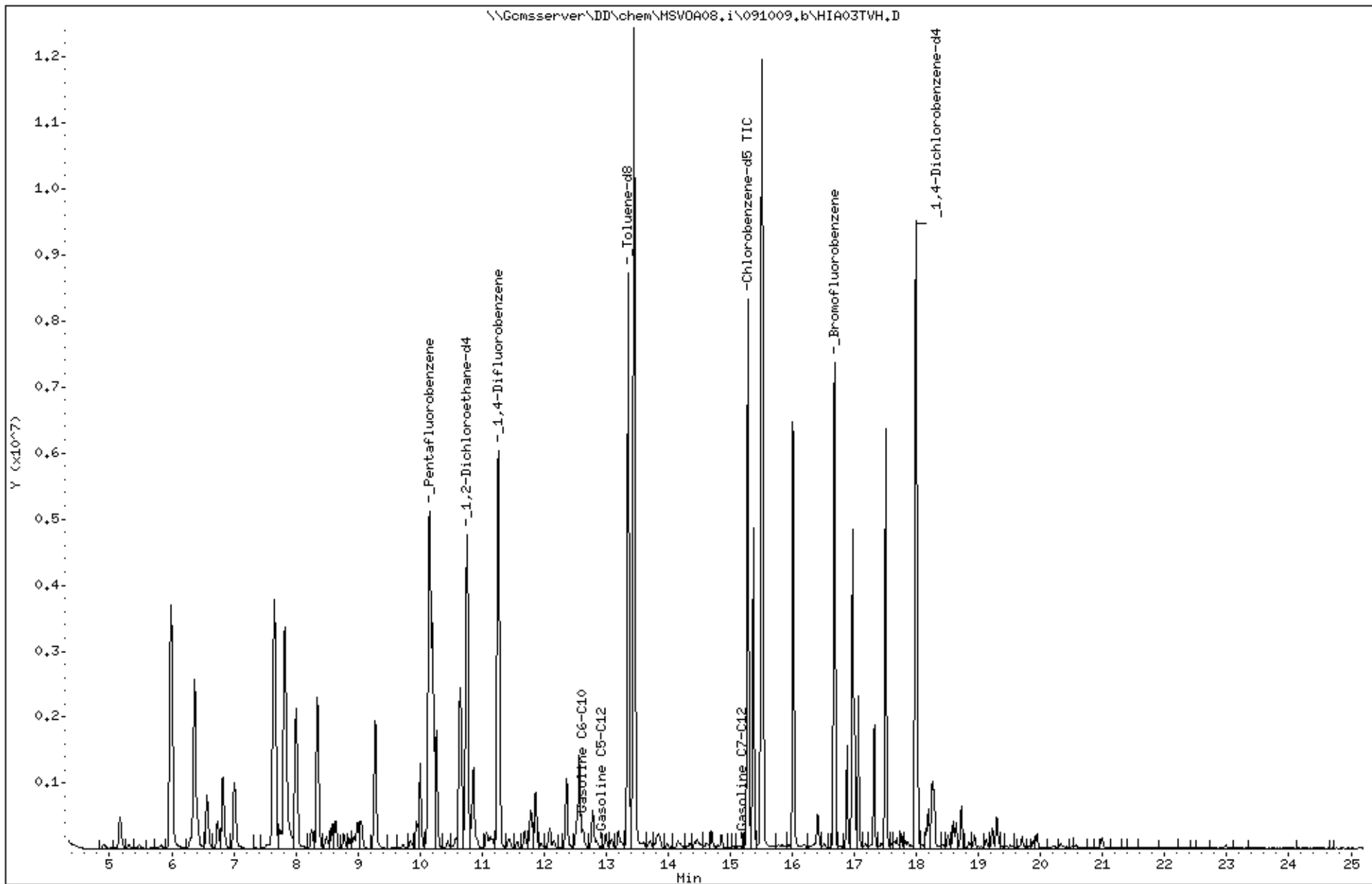
Sample Info: CCV,S12207,0,018/100

Instrument: MSV0A08.i

Operator: voc

Column diameter: 2.00

Column phase:





Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

**Laboratory Job Number 217256
ANALYTICAL REPORT**

SOMA Environmental Engineering Inc.
6620 Owens Dr.
Pleasanton, CA 94588

Project : 2333
Location : 3609 International Blvd
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
PSP-1	217256-001
GAC-1	217256-002
INFLUENT	217256-003

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: 
Project Manager

Date: 12/22/2009

NELAP # 01107CA

CASE NARRATIVE

Laboratory number: 217256
Client: SOMA Environmental Engineering Inc.
Project: 2333
Location: 3609 International Blvd
Request Date: 12/15/09
Samples Received: 12/15/09

This data package contains sample and QC results for three water samples, requested for the above referenced project on 12/15/09. The samples were received cold and intact.

Volatile Organics by GC/MS (EPA 8260B):

High surrogate recovery was observed for 1,2-dichloroethane-d4 in the method blank for batch 158473; no target analytes were detected in the sample. INFLUENT (lab # 217256-003) had pH greater than 2. No other analytical problems were encountered.

CHAIN OF CUSTODY

Curtis & Tompkins, Ltd.
 Analytical Laboratory Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 Phone
 (510)486-0532 Fax

C&T LOGIN # 217256

Analysis

Project No: 2333
Project Name: 3609 International Blvd. Oakland CA
Turnaround Time: Standard

Sampler: Masoud Sepehr
Report To: Joyce Bobek
Company: SOMA Environmental
Telephone: 925-734-6400
Fax: 925-734-6401

* TPHg , BTEX, MtBE 8260B																		

Lab No.	Sample ID.	Sampling Date	Time	Matrix			# of Containers	Preservative				
				Soil	Water	Waste		HCL	H2SO4	HNO3	ICE	
	PSP-1	12/14/09	1200		*		4 VOAs	*			*	
	GAC-1	12/14/09	1220		*		4 VOAs	*			*	
	INFLUENT	12/14/09	1240		*		4 VOAs	*			*	

Notes: EDF OUTPUT REQUIRED

	<p>RELINQUISHED BY:</p> <p><i>[Signature]</i> 12/14/09 DATE/TIME</p> <p><i>Kuchi Mathus</i> 12/15/09 DATE/TIME</p> <p>12/15/09 11:10 DATE/TIME</p>	<p>RECEIVED BY:</p> <p><i>Kuchi Mathus</i> 12/14/09 1430 DATE/TIME</p> <p><i>[Signature]</i> 12/15/09 1110 DATE/TIME</p> <p>DATE/TIME</p>
--	---	--

COOLER RECEIPT CHECKLIST



Login # 217256 Date Received 12-15 Number of coolers 1
Client SOWA Project 3609 International Blvd.

Date Opened 12-15 By (print) Elias Tsodik (sign) Elias Tsodik
Date Logged in By (print) (sign)

1. Did cooler come with a shipping slip (airbill, etc) YES NO
Shipping info

2A. Were custody seals present? ... YES (circle) on cooler on samples NO
How many Name Date

2B. Were custody seals intact upon arrival? YES NO N/A

3. Were custody papers dry and intact when received? YES NO

4. Were custody papers filled out properly (ink, signed, etc)? YES NO

5. Is the project identifiable from custody papers? (If so fill out top of form) YES NO

6. Indicate the packing in cooler: (if other, describe)
Bubble Wrap Foam blocks Bags None
Cloth material Cardboard Styrofoam Paper towels

7. Temperature documentation:
Type of ice used: Wet Blue/Gel None Temp(C)
Samples Received on ice & cold without a temperature blank
Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? YES NO
If YES, what time were they transferred to freezer?

9. Did all bottles arrive unbroken/unopened? YES NO

10. Are samples in the appropriate containers for indicated tests? YES NO

11. Are sample labels present, in good condition and complete? YES NO

12. Do the sample labels agree with custody papers? YES NO

13. Was sufficient amount of sample sent for tests requested? YES NO

14. Are the samples appropriately preserved? YES NO N/A

15. Are bubbles > 6mm absent in VOA samples? YES NO N/A

16. Was the client contacted concerning this sample delivery? YES NO
If YES, Who was called? By Date:

COMMENTS

Multiple horizontal lines for handwritten comments.

Gasoline by GC/MS			
Lab #:	217256	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	12/14/09
Units:	ug/L	Received:	12/15/09
Diln Fac:	1.000		

Field ID: INFLUENT
 Type: SAMPLE
 Lab ID: 217256-003

Batch#: 158473
 Analyzed: 12/21/09

Analyte	Result	RL
Gasoline C7-C12	790	50
MTBE	87	0.50
Benzene	1.4	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	4.8	0.50
o-Xylene	17	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	101	81-124
1,2-Dichloroethane-d4	126	73-140
Toluene-d8	104	88-113
Bromofluorobenzene	103	80-127

Type: BLANK
 Lab ID: QC526448

Batch#: 158454
 Analyzed: 12/20/09

Analyte	Result	RL
Gasoline C7-C12	ND	50
MTBE	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	98	81-124
1,2-Dichloroethane-d4	126	73-140
Toluene-d8	102	88-113
Bromofluorobenzene	107	80-127

*= Value outside of QC limits; see narrative
 NA= Not Analyzed
 ND= Not Detected
 RL= Reporting Limit

Gasoline by GC/MS			
Lab #:	217256	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	12/14/09
Units:	ug/L	Received:	12/15/09
Diln Fac:	1.000		

Type: BLANK Batch#: 158454
 Lab ID: QC526483 Analyzed: 12/20/09

Analyte	Result	RL
Gasoline C7-C12	NA	
MTBE	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	102	81-124
1,2-Dichloroethane-d4	131	73-140
Toluene-d8	104	88-113
Bromofluorobenzene	108	80-127

Type: BLANK Batch#: 158473
 Lab ID: QC526528 Analyzed: 12/21/09

Analyte	Result	RL
Gasoline C7-C12	ND	50
MTBE	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	101	81-124
1,2-Dichloroethane-d4	127	73-140
Toluene-d8	104	88-113
Bromofluorobenzene	108	80-127

*= Value outside of QC limits; see narrative
 NA= Not Analyzed
 ND= Not Detected
 RL= Reporting Limit

Gasoline by GC/MS			
Lab #:	217256	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	12/14/09
Units:	ug/L	Received:	12/15/09
Diln Fac:	1.000		

Type:	BLANK	Batch#:	158473
Lab ID:	QC526529	Analyzed:	12/21/09

Analyte	Result	RL
Gasoline C7-C12	NA	
MTBE	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	106	81-124
1,2-Dichloroethane-d4	142 *	73-140
Toluene-d8	107	88-113
Bromofluorobenzene	113	80-127

*= Value outside of QC limits; see narrative
 NA= Not Analyzed
 ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Gasoline by GC/MS			
Lab #:	217256	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	158454
Units:	ug/L	Analyzed:	12/20/09
Diln Fac:	1.000		

Type: BS Lab ID: QC526449

Analyte	Spiked	Result	%REC	Limits
MTBE	22.50	20.22	90	61-123
Benzene	22.50	23.49	104	81-122
Toluene	22.50	21.94	98	82-122
Ethylbenzene	22.50	23.67	105	86-125
m,p-Xylenes	45.00	47.80	106	83-127
o-Xylene	22.50	22.07	98	81-122

Surrogate	%REC	Limits
Dibromofluoromethane	101	81-124
1,2-Dichloroethane-d4	121	73-140
Toluene-d8	102	88-113
Bromofluorobenzene	101	80-127

Type: BSD Lab ID: QC526450

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	22.50	21.54	96	61-123	6	11
Benzene	22.50	23.58	105	81-122	0	12
Toluene	22.50	22.46	100	82-122	2	12
Ethylbenzene	22.50	24.03	107	86-125	1	12
m,p-Xylenes	45.00	47.93	107	83-127	0	13
o-Xylene	22.50	22.25	99	81-122	1	12

Surrogate	%REC	Limits
Dibromofluoromethane	99	81-124
1,2-Dichloroethane-d4	120	73-140
Toluene-d8	103	88-113
Bromofluorobenzene	102	80-127

RPD= Relative Percent Difference

Batch QC Report

Gasoline by GC/MS			
Lab #:	217256	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	158454
Units:	ug/L	Analyzed:	12/20/09
Diln Fac:	1.000		

Type: BS Lab ID: QC526451

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	850.0	822.2	97	74-124

Surrogate	%REC	Limits
Dibromofluoromethane	98	81-124
1,2-Dichloroethane-d4	124	73-140
Toluene-d8	102	88-113
Bromofluorobenzene	104	80-127

Type: BSD Lab ID: QC526452

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	850.0	810.0	95	74-124	1	13

Surrogate	%REC	Limits
Dibromofluoromethane	96	81-124
1,2-Dichloroethane-d4	118	73-140
Toluene-d8	103	88-113
Bromofluorobenzene	107	80-127

RPD= Relative Percent Difference

Batch QC Report

Gasoline by GC/MS			
Lab #:	217256	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	158473
Units:	ug/L	Analyzed:	12/21/09
Diln Fac:	1.000		

Type: BS Lab ID: QC526530

Analyte	Spiked	Result	%REC	Limits
MTBE	21.25	19.16	90	61-123
Benzene	21.25	24.60	116	81-122
Toluene	21.25	21.78	102	82-122
Ethylbenzene	21.25	23.84	112	86-125
m,p-Xylenes	42.50	45.75	108	83-127
o-Xylene	21.25	21.06	99	81-122

Surrogate	%REC	Limits
Dibromofluoromethane	104	81-124
1,2-Dichloroethane-d4	132	73-140
Toluene-d8	103	88-113
Bromofluorobenzene	102	80-127

Type: BSD Lab ID: QC526531

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	21.25	21.11	99	61-123	10	11
Benzene	21.25	24.62	116	81-122	0	12
Toluene	21.25	22.47	106	82-122	3	12
Ethylbenzene	21.25	24.81	117	86-125	4	12
m,p-Xylenes	42.50	47.92	113	83-127	5	13
o-Xylene	21.25	22.53	106	81-122	7	12

Surrogate	%REC	Limits
Dibromofluoromethane	100	81-124
1,2-Dichloroethane-d4	125	73-140
Toluene-d8	103	88-113
Bromofluorobenzene	102	80-127

RPD= Relative Percent Difference

Batch QC Report

Gasoline by GC/MS			
Lab #:	217256	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	158473
Units:	ug/L	Analyzed:	12/21/09
Diln Fac:	1.000		

Type: BS Lab ID: QC526532

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	900.0	843.4	94	74-124

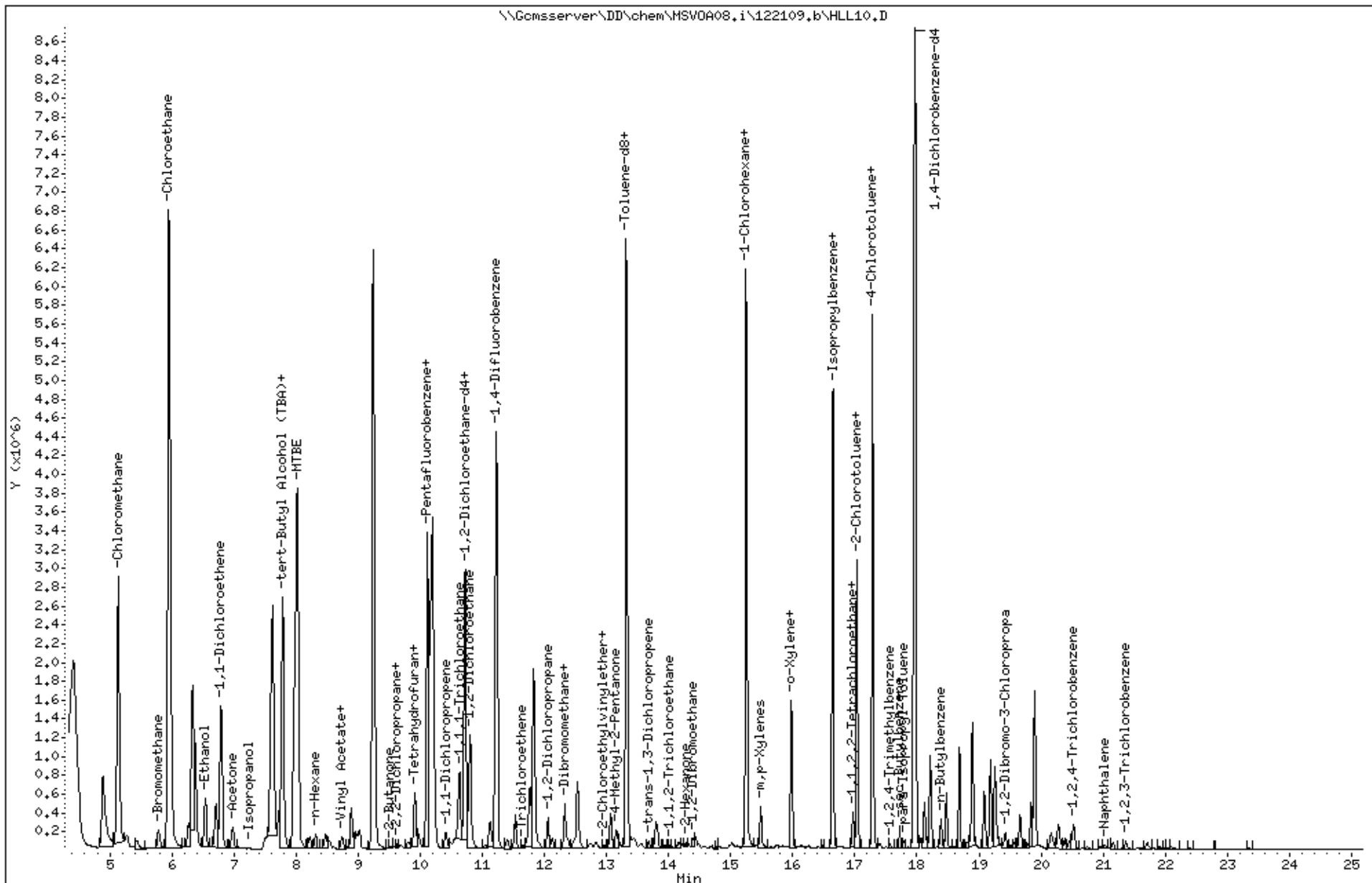
Surrogate	%REC	Limits
Dibromofluoromethane	100	81-124
1,2-Dichloroethane-d4	125	73-140
Toluene-d8	102	88-113
Bromofluorobenzene	106	80-127

Type: BSD Lab ID: QC526533

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	900.0	830.2	92	74-124	2	13

Surrogate	%REC	Limits
Dibromofluoromethane	98	81-124
1,2-Dichloroethane-d4	121	73-140
Toluene-d8	103	88-113
Bromofluorobenzene	107	80-127

RPD= Relative Percent Difference



Date : 20-DEC-2009 12:50

Client ID: DYNA P&T

Sample Info: CCV/BS,QC526451,158454,S13447,,0085/100

Instrument: MSV0A08.i

Operator: voc

Column diameter: 2.00

Column phase:

