ARCADIS

Infrastructure, buildings, environment, communications

ARCADIS U.S, Inc.
1400 N. Harbor Boulevard
Suite 700
Fullerton, California 92835-4127
Tel 714.278.0992
Fax 714.278.0051

ENVIRONMENTAL

Poonam Acharya
California Environmental Protection Agency
Department of Toxic Substances Control
1011 N. Grandview Avenue
Glendale, CA 91201

Subject:
Second Semi-Annual 2006 Groundwater Monitoring Report
Brenntag – South Gate (L.A. Chemical)
4545 Ardine Street.
South Gate, California

Date:
May 24, 2007

Contact:
Greg Fiol

Extension:
3027

Email
greg.fiol@arcadis-us.com

Our Ref:
CA000677.0004.00004

Dear Ms. Acharya:

ARCADIS is pleased to submit this progress report on behalf of Brenntag Pacific, Inc. (Brenntag) presenting the results of groundwater monitoring performed during the second half of 2006 at the Brenntag South Gate Site (Site – Figure 1). The monitoring included the sampling of 14 of 15 groundwater monitoring wells at the Site. One well, MW-3, was inaccessible and could not be sampled. A description of groundwater monitoring procedures and results for the Second Semi-Annual 2006 Monitoring Event is presented in this document. A map of the Site depicting groundwater well locations is presented in the attached Figure 2.

1 Well Redevelopment

On September 11 through 15, 2006, fourteen groundwater monitoring wells (MW-1, MW-2, MW-4, MW-5S, MW-5D, MW-6S, MW-6D, MW-7S, MW-7D, MW-8, MW-9, MW-10, MW-11, and MW-12) were redeveloped by Blaine Tech Services, Inc. under the supervision of ARCADIS. Mr. Steven Friet of the DTSC was present on-site on September 11, 2006 to observe development protocols. The order of development generally proceeded from least contaminated to most contaminated wells starting with MW-12 and ending with MW-6. Development consisted of initially agitating wells with a surge block tool for 10 to 15 minutes followed by pumping with a positive air displacement pump to remove suspended sediments. When water had cleared sufficiently, pumping was continued at a higher rate using an electrical submersible pump until turbidity measurements dropped to a relatively stable level or until the well was dewatered. A total of 825 gallons of development water was pumped during development activities and stored in three plastic tote containers. Logs completed during the well development activities are presented in Appendix A.

On November 3, 2006, 825 gallons of non-hazardous wastewater was transported via vacuum truck from the Site to the DeMenno Kerdoon facility in Compton, California (Appendix C).

2 Groundwater Monitoring

On December 6, 7 and 8, 2006, ARCADIS personnel gauged and sampled wells MW-1, MW-2, MW-4, MW-5S, MW-5D, MW-6S, MW-6D, MW-7S, MW-7D, MW-8, MW-9, MW-10, MW-11 and MW-12. Well MW-3 was inaccessible and could not be gauged or sampled. A description of gauging and sampling procedures follows.

2.1 Groundwater Level Measurements

During the groundwater monitoring event performed December 6, 7 and 8, 2006, all onsite and offsite wells were gauged using a water level meter with the exception of MW-3. Well MW-3 was inaccessible due to the presence of a rail car over the well box. The water level meter was decontaminated between wells with a non-phosphate detergent and deionized water. Results of all gauging activities performed during the reporting period are summarized in Table 1. Field gauging forms are included as Appendix A.

2.2 Groundwater Sampling

On December 6, 7 and 8, 2006, ARCADIS personnel sampled wells MW-1, MW-2, MW-4, MW-5S, MW-5D, MW-6S, MW-6D, MW-7S, MW-7D, MW-8, MW-9, MW-10, MW-11 and MW-12 using low flow sampling methodology. A 2-inch diameter Grundfos pump was placed in the well to be sampled, within the screened interval, and operated at low flow rates (not exceeding one third of a liter per minute). Groundwater was purged until field pH, temperature and specific conductance stabilized to within 10 percent of three consecutive readings. This data is summarized on field logs included in Appendix A.

Upon stabilization of water quality parameters, water samples were collected in laboratory supplied containers. The samples were labeled, recorded on a chain of custody document, and placed in cold storage pending delivery to the laboratory. The pump and sampling equipment were washed in a non-phosphate detergent and triple rinsed prior to sampling and between wells.

Trip blanks and equipment blanks were collected at a frequency of one each per day (total of three each). In addition, two duplicate samples were collected from MW-7S and MW-12. The duplicate samples were analyzed to evaluate the precision of

laboratory analytical procedures and were collected in a separate set of sample containers immediately following the collection of the primary sample. The primary and duplicate samples were analyzed for the same parameters. The collection of field quality control samples was performed according to the monitoring plan.

Groundwater samples were placed in coolers with ice and submitted to Calscience Environmental Laboratories, Inc. (Calscience) a California-certified environmental laboratory in Garden Grove, California. Trip blanks were provided by Calscience and placed inside the coolers containing groundwater samples to be analyzed for volatile organic compounds (VOCs) by USEPA Method 8260B. The primary, duplicate, and equipment blank water samples were analyzed for volatile organics (VOCs) using EPA Method 8260B, for total dissolved metals using EPA Methods 6010/7000, for total petroleum hydrocarbon chain analysis using EPA Method 8015B (M), and for 1,4-dioxane by EPA Method 8270C (M). Chemical results are summarized in Tables 2 and 3. Copies of the laboratory reports and chain-of-custody documents are attached as Appendix B.

Purged groundwater was containerized in labeled 55-gallon drums and will be disposed of as non-hazardous waste at an off-site recycling facility. Disposal documentation for the second semi-annual sampling event of 2006 will be presented in the first semi-annual report for 2007. Disposal documentation for well development activities is provided in Appendix C.

3 Results

3.1 Groundwater Levels

During the reporting period, groundwater levels in some wells have decreased by as much as 0.95 foot (MW-8) and increased in others by as much as 0.26 foot (MW-5S) with an overall average decrease of 0.166 foot compared to the previous event. Water level measurements are summarized in Table 1.

Data from wells MW-1, MW-5S, MW-6S and MW-7S, similarly screened between approximately 50 to 75 feet bgs, were used to evaluate groundwater gradient and flow direction in shallow saturated zone. Elevations of groundwater in the shallow wells indicated a hydraulic gradient of 0.0035 feet per foot to the west-northwest. This flow direction is shifted approximately 90 degrees to the north in comparison to the previous event in May 2006, but several earlier events showed a shallow groundwater flow direction to the west and west-northwest. Shallow groundwater elevation contours and flow direction are depicted in the attached Figure 3.

Data from wells MW-5D, MW-6D, MW-7D, and MW-8 similarly screened between approximately 80 to 96 feet bgs, were used to evaluate groundwater gradient and flow direction in the Gaspur aquifer. Data from the deeper wells indicate groundwater flows at a gradient of approximately 0.0023 feet per foot to the west-southwest. The groundwater elevation contour and flow direction map for the December 2006 measurement is included in the attached Figure 4.

A comparison of groundwater elevations in the shallow and deep wells suggests a downward vertical gradient.

3.2 Chemical Results

Chemical results for groundwater samples collected this monitoring event are summarized in Tables 2 and 3, attached, and are shown on Figures 5 through 7.

Seventeen VOC constituents were detected in the wells (total of 14 including duplicates) sampled during this monitoring event. Chemicals detected, their frequency, and concentration range are summarized below.

Chemical	Frequency	Minimum Concentration (µg/L)	Maximum Concentration (µg/L)	Well ID with Maximum Concentration
Benzene	6/14	0.72	17	MW-6S
Chlorobenzene	1/14	3.5	3.5	MW-10
Chloroform	3/14	3.9	60	MW-7S
1,2 Dichlorobenzene	7/14	1.8	220	MW-7D
1,4 Dichlorobenzene	6/14	1	30	MW-7D
1,1 Dichloroethane	10/14	1.2	36	MW-7D
1,2 Dichloroethane	8/14	0.53	170	MW-7D
1,1 Dichloroethene	9/15	1.2	20	MW-12 Dup
c-1,2 Dichloroethene	13/14	1.2	2,300	MW-6S
t-1,2 Dichloroethene	4/14	3.1	5.6	MW-4
1,2 Dichloropropane	4/14	2	22	MW-7D
Tetrachloroethene	10/14	3.2	150	MW-7S Dup
Trichloroethene	13/14	1.6	1,200	MW-7D
Vinyl Chloride	4/14	0.62	1.2	MW-12
Tert-Butyl Alcohol	1/14	10	10	MW-2

Chemical	Frequency	Minimum Concentration (µg/L)	Maximum Concentration (µg/L)	Well ID with Maximum Concentration
Diisopropyl Alcohol	1/14	2.7	2.7	MW-1
1,4 Dioxane	13/14	2.3	120	MW-2
Notes: µg/L – microgram per liter (or parts per billion by volume)				

Total metals detected in groundwater beneath the Site include:

Chemical	Frequency	Minimum Concentration (mg/L)	Maximum Concentration (mg/L)	Well ID with Maximum Concentration
Arsenic	9/14	0.0118	6.59	MW-6S
Barium	13/14	0.0127	0.965	MW-3
Cadmium	2/14	0.0179	0.0206	MW-11
Total Chromium	9/14	0.00575	0.165	MW-6S
Cobalt	8/14	0.00708	0.0995	MW-11
Copper	12/14	0.00747	0.801	MW-11
Lead	10/14	0.00474	0.0351	MW-6S
Molybdenum	14/14	0.00732	0.0719	MW-12
Nickel	12/14	0.00815	1.51	MW-6S
Selenium	10/14	0.0192	0.0875	MW-6S
Vanadium	9/14	0.0055	0.0575	MW-6S
Zinc	14/14	0.0105	0.37	MW-6S
Notes: mg/L – milligram per liter (or parts per million by volume)				

Concentrations of petroleum hydrocarbons were detected in 12 of the 14 wells at the Site. Petroleum Hydrocarbon concentrations ranged from 960 to 5,400 mg/L. Specific petroleum hydrocarbon chains detected ranged from C7 to C36, with the highest concentrations in the C23 to C36 range. The highest petroleum hydrocarbon concentrations were detected in wells MW-8 and MW-6S. Maximum concentrations of VOCs, TPH, and metals are lower or consistent with concentrations detected during the May 2006 sampling event.

4 Planned Activities Next Quarter

Planned activities for first half of 2007 include submittal of a Draft Remedial Investigation Work Plan for additional assessment at the Site. Groundwater will continue to be monitored and sampled on a semi-annual basis.

5 Closing

If you have any questions or comments regarding this report, please contact Greg Fiol at (714) 278-0992, Extension 3027.

Sincerely,

ARCADIS U.S., Inc.

Grayson Carlton
Senior Scientist, PG 7547

PROFESSIONAL GEOLOGIST
EDMOND GRAYSON CARLTON
NO. 7547
EXP. 04/'08
STATE OF CALIFORNIA

Greg Fiol
Project Manager

Copies:
Peter Ramaley - Brenntag, Inc.
Project File

Attachments:

Figure 1 - Site Location Map
Figure 2 - Current Site Map
Figure 3 - Groundwater Contour Map – Shallow Wells, December 2006
Figure 4 - Groundwater Contour Map – Deep Wells, December 2006
Figure 5 - Distribution of VOCs, December 2006
Figure 6 - Distribution of Dissolved Metals, December 2006
Figure 7 - Distribution of Petroleum Hydrocarbons, December 2006

Table 1 - Summary of Groundwater Gauging Data
Table 2 - Summary of Second 2006 Semi-Annual Groundwater Analytical Results (VOCs and Field Parameters)
Table 3 - Summary of Second 2006 Semi-Annual Groundwater Analytical Results (Total Metals and Petroleum Hydrocarons)

Appendix A - Field Monitoring Forms
Appendix B - Laboratory Analytical Results and Chain-of-Custody Documentation
Appendix C - IDW Disposal Documentation

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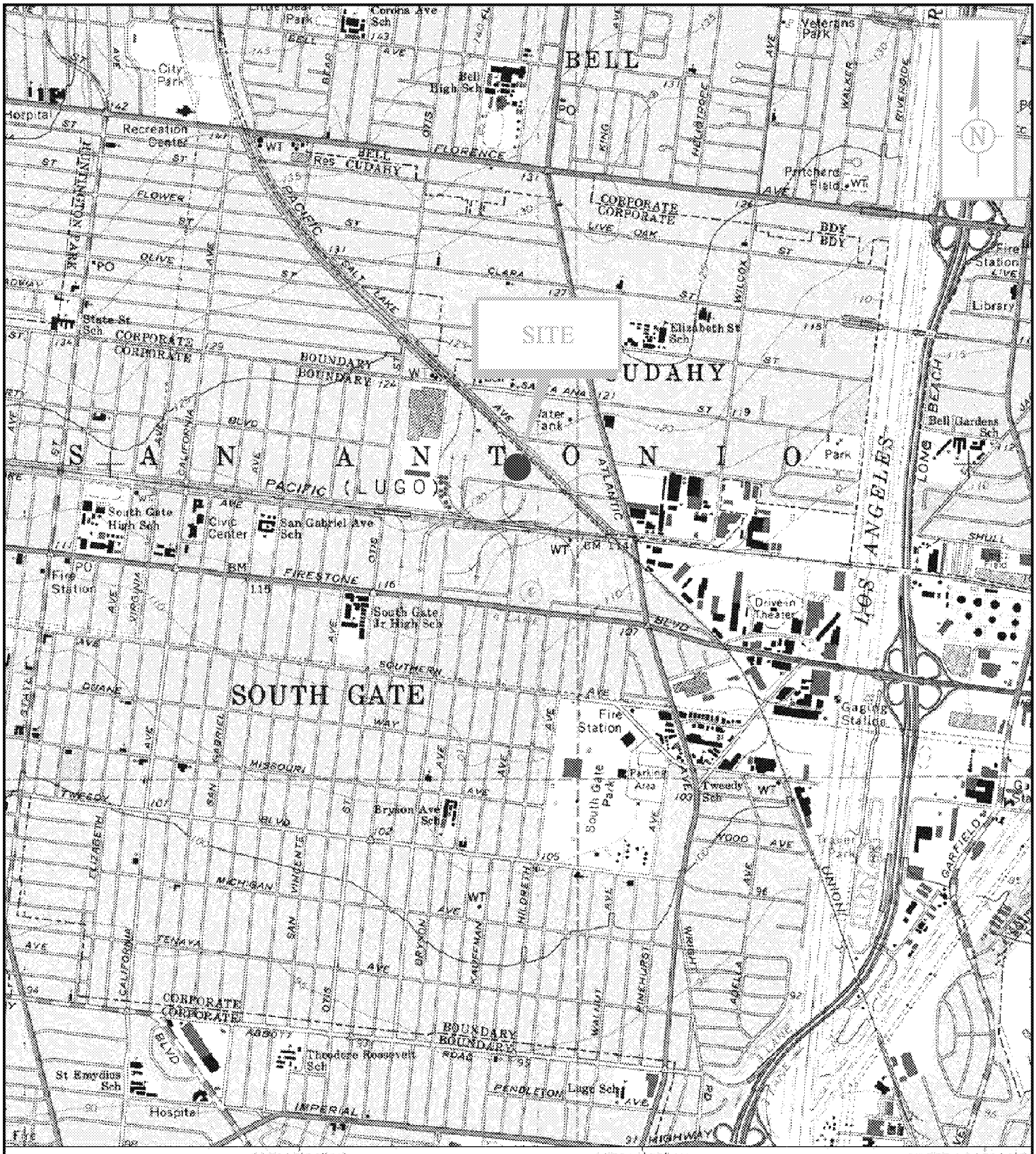
Figures



Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)

District Manager	ARCADIS	SITE LOCATION MAP	Project Number
J. PETERS			CA000677.0004.00004
Project Manager	ARCADIS of Los Angeles 1400 N. Harbor Boulevard Fullerton, California 92835-4127 Tel: 714.278.0992 Fax: 714.278.0051 www.arcadis-us.com	BRENNTAG PACIFIC, INC. 4545 ARDINE STREET SOUTH GATE, CALIFORNIA	Drawing Date
G. FIOL			1/30/07
Task Manager			Figure
G. CARLTON			1
Technical Review			
R. HALPERN			

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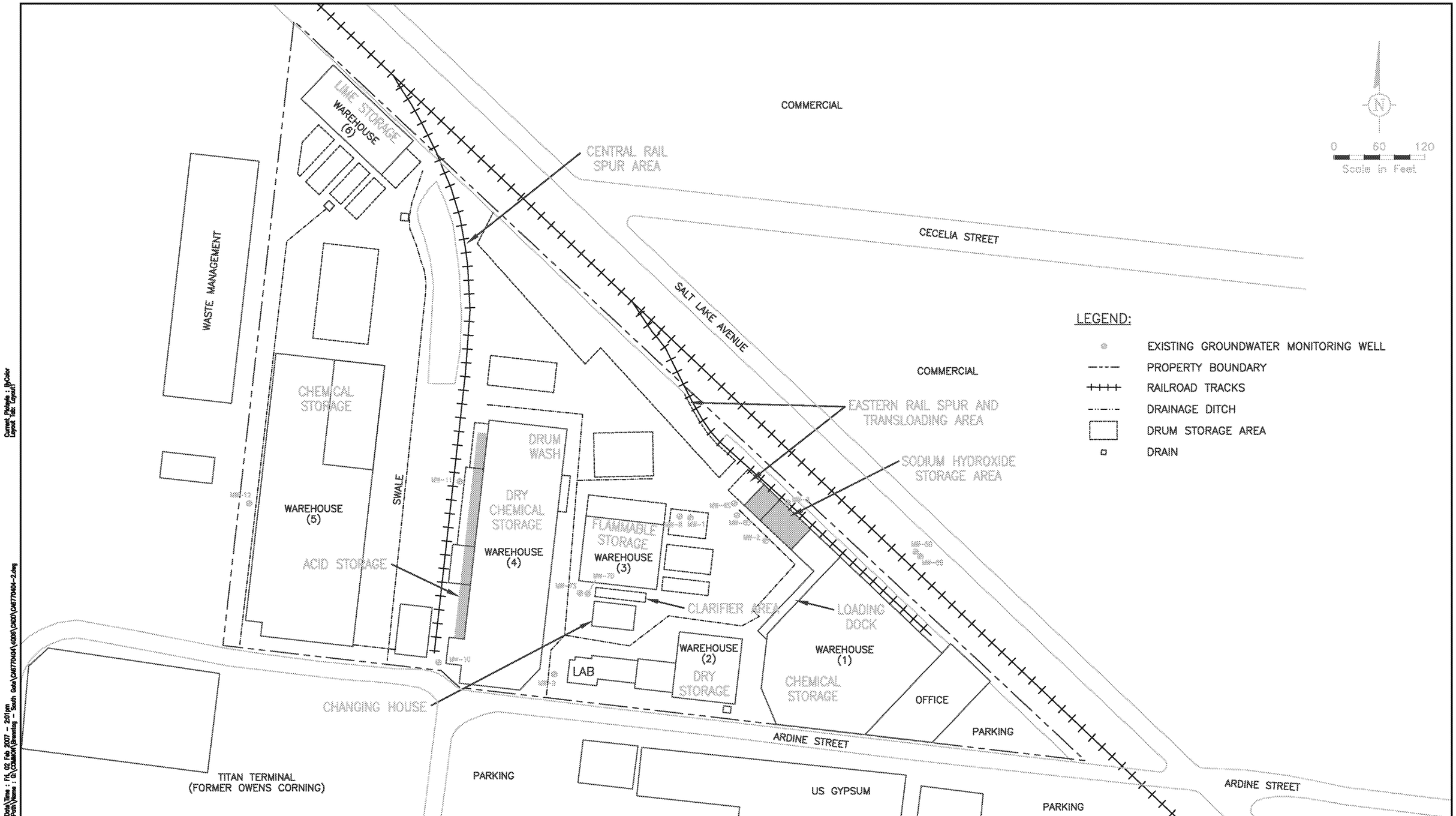

District Manager	J. PETERS
Project Manager	G. FIOL
Task Manager	G. CARLTON
Technical Review	R. HALPERN

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ARCADIS

ARCADIS of Los Angeles
1400 N. Harbor Boulevard
Fullerton, California 92835-4127
Tel: 714.278.0992 Fax: 714.278.0051
www.arcadis-us.com

CURRENT SITE MAP

BRENNTAG PACIFIC, INC.
4545 ARDINE STREET
SOUTH GATE, CALIFORNIA

Project Number	CA000677.0004.00004
Drawing Date	1/30/07
Figure	2

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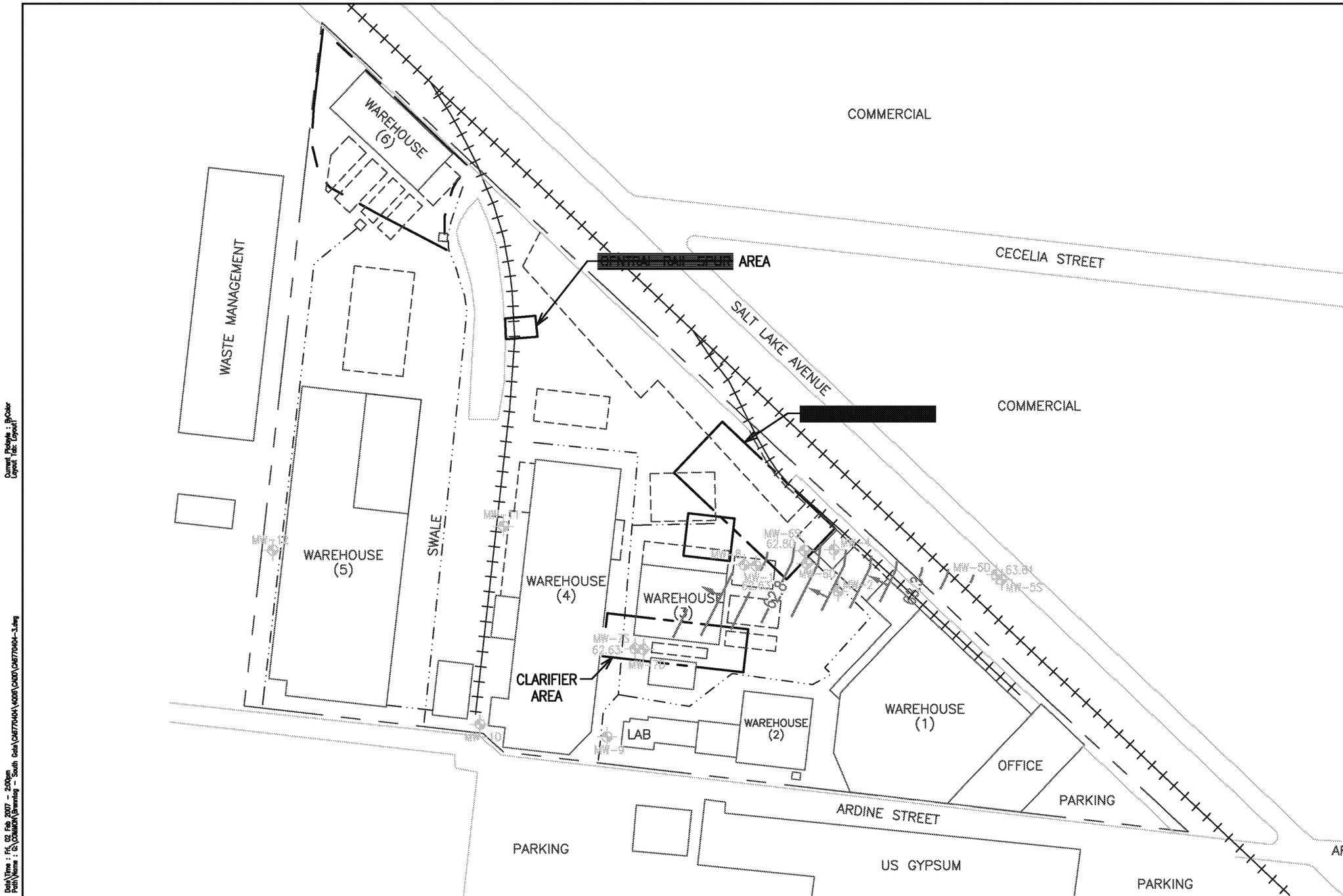
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WASTE MANAGEMENT
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CECELIA STREET
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COMMERCIAL
WAREHOUSE (5)
SWALE
WAREHOUSE (4)
WAREHOUSE (3)
CLARIFIER AREA
LAB
WAREHOUSE (2)
WAREHOUSE (1)
OFFICE
PARKING
ARDINE STREET
PARKING
US GYPSUM
PARKING
MW-1
62.63
MW-2
62.81
MW-3
62.83
MW-4
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MW-5
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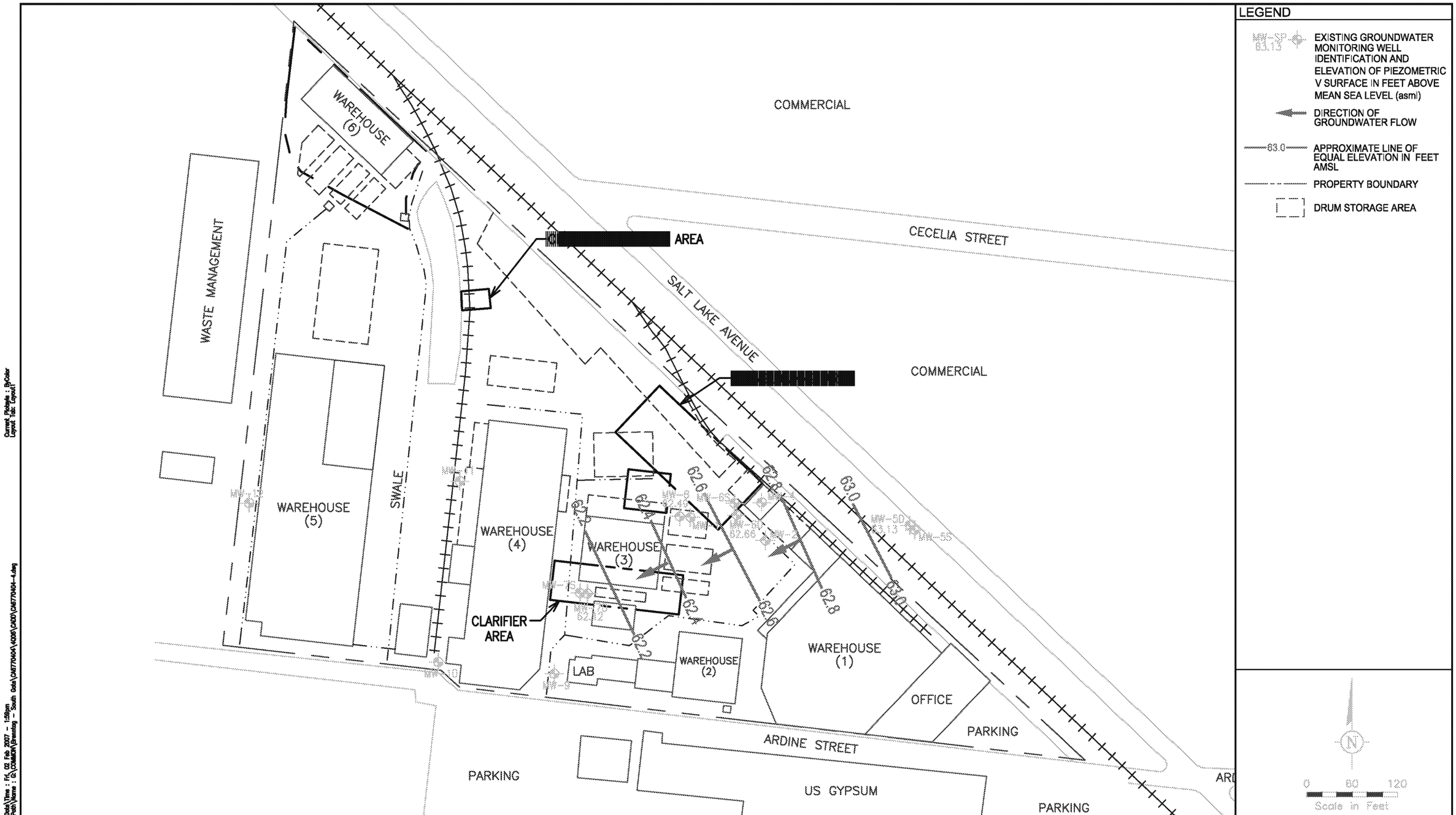

District Manager: J. PETERS	ARCADIS	GROUNDWATER CONTOUR MAP - DEEP WELLS - DECEMBER 2006	Project Number: CA000677.0004.00004
Project Manager: G. FIOL	ARCADIS of Los Angeles 1400 N. Harbor Boulevard Fullerton, California 92835-4127 Tel: 714.278.0992 Fax: 714.278.0051 www.arcadis-us.com	BRENNTAG PACIFIC, INC. 4545 ARDINE STREET SOUTH GATE, CALIFORNIA	Drawing Date: 1/30/07
Task Manager: R. HALPERN			Figure: 4
Technical Review: K. STEVENS			

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MW-11	Result
Benzene	ND <0.5
Chlorobenzene	ND <1.0
Chloroform	ND <1.0
1,2 Dichlorobenzene	ND <1.0
1,4 Dichlorobenzene	ND <1.0
1,1 Dichloroethane	1.8
1,2 Dichloroethane	2
1,1 Dichloroethene	5
c-1,2 Dichloroethene	ND <1.0
t-1,2 Dichloroethene	ND <1.0
1,2 Dichloropropane	ND <1.0
Tetrachloroethene	3.2
Trichloroethene	60.0
Vinyl Chloride	ND <0.5
Tri-butyl Alcohol	ND <10
Di-isopropyl Ether	ND < 2
1,4 Dioxane	2.3

MW-7S	Result
Benzene	ND <2.5
Chlorobenzene	ND <5.0
Chloroform	60
1,2 Dichlorobenzene	110
1,4 Dichlorobenzene	12
1,1 Dichloroethane	11
1,2 Dichloroethane	15
1,1 Dichloroethene	11
c-1,2 Dichloroethene	9.8
t-1,2 Dichloroethene	ND <5.0
1,2 Dichloropropane	ND <5.0
Tetrachloroethene	140
Trichloroethene	490
Vinyl Chloride	ND <2.5
Tri-butyl Alcohol	ND <50
Di-isopropyl Ether	ND <10
1,4 Dioxane	15

MW-7D	Result
Benzene	ND <10
Chlorobenzene	ND <20
Chloroform	ND <20
1,2 Dichlorobenzene	220
1,4 Dichlorobenzene	30
1,1 Dichloroethane	36
1,2 Dichloroethane	170
1,1 Dichloroethene	ND <20
c-1,2 Dichloroethene	200
t-1,2 Dichloroethene	ND <20
1,2 Dichloropropane	22
Tetrachloroethene	110
Trichloroethene	2,300
Vinyl Chloride	ND <2.5
Tri-butyl Alcohol	ND <50
Di-isopropyl Ether	ND <10
1,4 Dioxane	16

MW-8	Result
Benzene	ND <0.5
Chlorobenzene	ND <1.0
Chloroform	ND <1.0
1,2 Dichlorobenzene	ND <1.0
1,4 Dichlorobenzene	ND <1.0
1,1 Dichloroethane	ND <1.0
1,2 Dichloroethane	ND <0.5
1,1 Dichloroethene	ND <1.0
c-1,2 Dichloroethene	1.2
t-1,2 Dichloroethene	ND <1.0
1,2 Dichloropropane	ND <1.0
Tetrachloroethene	4.9
Trichloroethene	19
Vinyl Chloride	ND <0.5
Tri-butyl Alcohol	ND <10
Di-isopropyl Ether	ND <2
1,4 Dioxane	ND <2

MW-6S	Result
Benzene	17
Chlorobenzene	ND <2.0
Chloroform	30
1,2 Dichlorobenzene	ND <20
1,4 Dichlorobenzene	ND <20
1,1 Dichloroethane	ND <20
1,2 Dichloroethane	ND <10
1,1 Dichloroethene	ND <20
c-1,2 Dichloroethene	2,300
t-1,2 Dichloroethene	ND <20
1,2 Dichloropropane	ND <20
Tetrachloroethene	120
Trichloroethene	460
Vinyl Chloride	ND <10
Tri-butyl Alcohol	ND <200
Di-isopropyl Ether	ND <40
1,4 Dioxane	14

MW-6D	Result
Benzene	ND <0.5
Chlorobenzene	ND <1.0
Chloroform	ND <1.0
1,2 Dichlorobenzene	ND <1.0
1,4 Dichlorobenzene	
1,1 Dichloroethane	ND <1.0
1,2 Dichloroethane	ND <0.5
1,1 Dichloroethene	ND <1.0
c-1,2 Dichloroethene	6.4
t-1,2 Dichloroethene	ND <1.0
1,2 Dichloropropane	ND <1.0
Tetrachloroethene	ND <1.0
Trichloroethene	3.3
Vinyl Chloride	ND <0.5
Tri-butyl Alcohol	ND <10
Di-isopropyl Ether	ND <2.0
1,4 Dioxane	ND <2

MW-4	Result
Benzene	0.97
Chlorobenzene	ND <1.0
Chloroform	ND <1.0
1,2 Dichlorobenzene	4.2
1,4 Dichlorobenzene	3.2
1,1 Dichloroethane	1.2
1,2 Dichloroethane	1.4
1,1 Dichloroethene	2.6
c-1,2 Dichloroethene	72
t-1,2 Dichloroethene	5.6
1,2 Dichloropropane	2.0
Tetrachloroethene	7.8
Trichloroethene	110
Vinyl Chloride	ND <0.5
Tri-butyl Alcohol	ND <10
Di-isopropyl Ether	ND <2
1,4 Dioxane	46

MW-3	Result
Benzene	NS
Chlorobenzene	NS
Chloroform	NS
1,2 Dichlorobenzene	NS
1,4 Dichlorobenzene	NS
1,1 Dichloroethane	NS
1,2 Dichloroethane	NS
1,1 Dichloroethene	NS
c-1,2 Dichloroethene	NS
t-1,2 Dichloroethene	NS
1,2 Dichloropropane	NS
Tetrachloroethene	NS
Trichloroethene	NS
Vinyl Chloride	NS
Tri-butyl Alcohol	NS
Di-isopropyl Ether	NS
1,4 Dioxane	NS

MW-5D	Result
Benzene	0.72
Chlorobenzene	ND <1.0
Chloroform	ND <1.0
1,2 Dichlorobenzene	ND <1.0
1,4 Dichlorobenzene	ND <1.0
1,1 Dichloroethane	ND <1.0
1,2 Dichloroethane	0.99
1,1 Dichloroethene	ND <1.0
c-1,2 Dichloroethene	38
t-1,2 Dichloroethene	ND <1.0
1,2 Dichloropropane	ND <1.0
Tetrachloroethene	ND <1.0
Trichloroethene	3.1
Vinyl Chloride	ND <0.5
Tri-butyl Alcohol	ND <10
Di-isopropyl Ether	ND <2.0
1,4 Dioxane	3.7

MW-12	Result
Benzene	ND <0.5
Chlorobenzene	ND <1.0
Chloroform	ND <1.0
1,2 Dichlorobenzene	ND <1.0
1,4 Dichlorobenzene	ND <1.0
1,1 Dichloroethane	20
1,2 Dichloroethane	0.53
1,1 Dichloroethene	20
c-1,2 Dichloroethene	6.9
t-1,2 Dichloroethene	ND <1.0
1,2 Dichloropropane	ND <1.0
Tetrachloroethene	ND <1
Trichloroethene	1.6
Vinyl Chloride	1.2
Tri-butyl Alcohol	ND <10
Di-isopropyl Ether	ND < 2
1,4 Dioxane	82

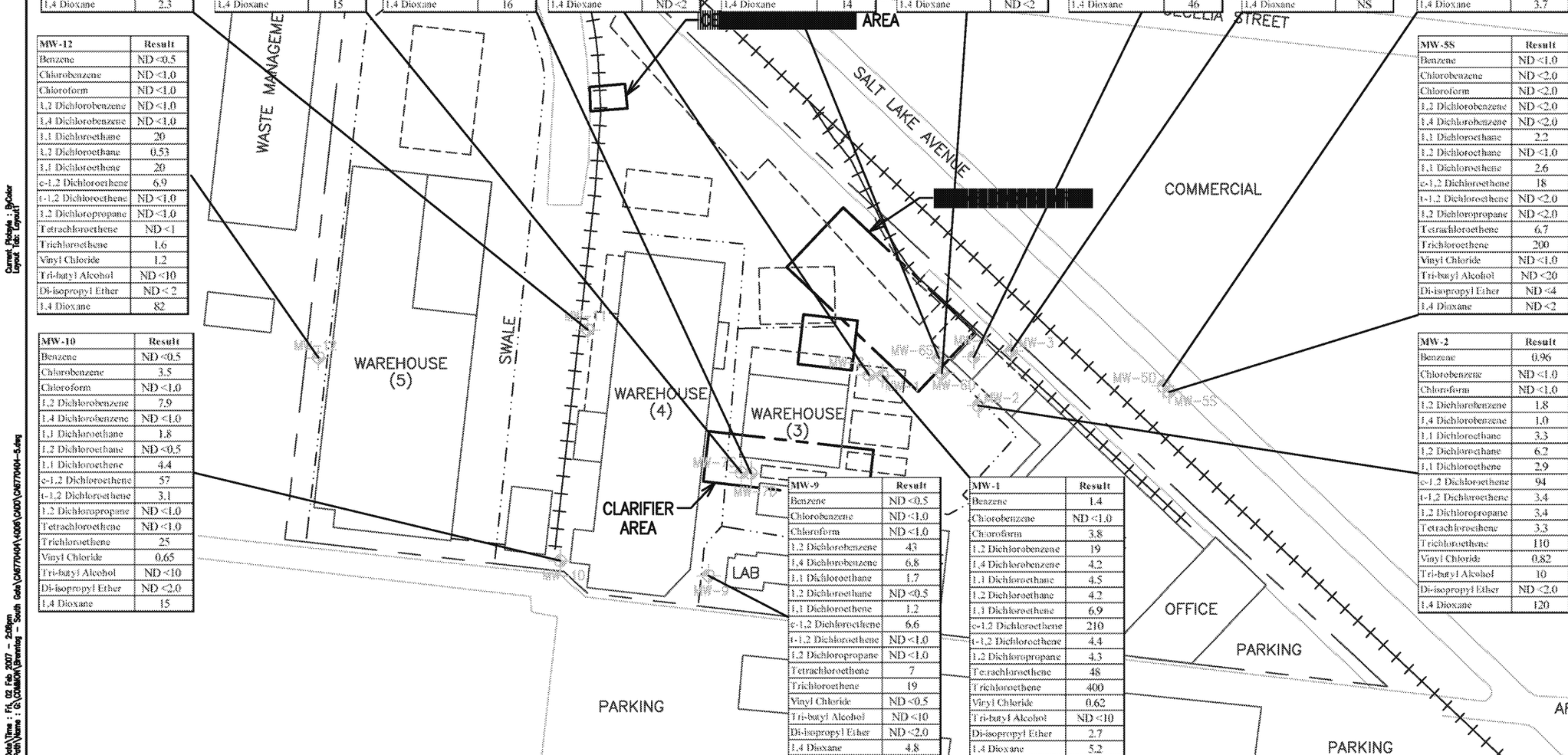
MW-10	Result
Benzene	ND <0.5
Chlorobenzene	3.5
Chloroform	ND <1.0
1,2 Dichlorobenzene	7.9
1,4 Dichlorobenzene	ND <1.0
1,1 Dichloroethane	1.8
1,2 Dichloroethane	ND <0.5
1,1 Dichloroethene	4.4
c-1,2 Dichloroethene	57
t-1,2 Dichloroethene	3.1
1,2 Dichloropropane	ND <1.0
Tetrachloroethene	ND <1.0
Trichloroethene	25
Vinyl Chloride	0.65
Tri-butyl Alcohol	ND <10
Di-isopropyl Ether	ND <2.0
1,4 Dioxane	15

MW-9	Result
Benzene	ND <0.5
Chlorobenzene	ND <1.0
Chloroform	ND <1.0
1,2 Dichlorobenzene	43
1,4 Dichlorobenzene	6.8
1,1 Dichloroethane	1.7
1,2 Dichloroethane	ND <0.5
1,1 Dichloroethene	1.2
c-1,2 Dichloroethene	6.6
t-1,2 Dichloroethene	ND <1.0
1,2 Dichloropropane	ND <1.0
Tetrachloroethene	7
Trichloroethene	19
Vinyl Chloride	ND <0.5
Tri-butyl Alcohol	ND <10
Di-isopropyl Ether	ND <2.0
1,4 Dioxane	4.8

MW-1	Result
Benzene	1.4
Chlorobenzene	ND <1.0
Chloroform	3.8
1,2 Dichlorobenzene	19
1,4 Dichlorobenzene	4.2
1,1 Dichloroethane	4.5
1,2 Dichloroethane	4.2
1,1 Dichloroethene	6.9
c-1,2 Dichloroethene	210
t-1,2 Dichloroethene	4.4
1,2 Dichloropropane	4.3
Tetrachloroethene	48
Trichloroethene	400
Vinyl Chloride	0.62
Tri-butyl Alcohol	ND <10
Di-isopropyl Ether	2.7
1,4 Dioxane	5.2

MW-5S	Result
Benzene	ND <1.0
Chlorobenzene	ND <2.0
Chloroform	ND <2.0
1,2 Dichlorobenzene	ND <2.0
1,4 Dichlorobenzene	ND <2.0
1,1 Dichloroethane	2.2
1,2 Dichloroethane	ND <1.0
1,1 Dichloroethene	2.6
c-1,2 Dichloroethene	18
t-1,2 Dichloroethene	ND <2.0
1,2 Dichloropropane	ND <2.0
Tetrachloroethene	6.7
Trichloroethene	200
Vinyl Chloride	ND <1.0
Tri-butyl Alcohol	ND <20
Di-isopropyl Ether	ND <4
1,4 Dioxane	ND <2

MW-2	Result
Benzene	0.96
Chlorobenzene	ND <1.0
Chloroform	ND <1.0
1,2 Dichlorobenzene	1.8
1,4 Dichlorobenzene	1.0
1,1 Dichloroethane	3.3
1,2 Dichloroethane	6.2
1,1 Dichloroethene	2.9
c-1,2 Dichloroethene	94
t-1,2 Dichloroethene	3.4
1,2 Dichloropropane	3.4
Tetrachloroethene	3.3
Trichloroethene	110
Vinyl Chloride	0.82
Tri-butyl Alcohol	10
Di-isopropyl Ether	ND <2.0
1,4 Dioxane	120



LEGEND

MW-SP — EXISTING GROUNDWATER MONITORING WELL

PROPERTY BOUNDARY

DRUM STORAGE AREA

NOTES:

ALL RESULTS LISTED IN MICROGRAMS PER LITER (UG/L)

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Scale In Feet

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Acad Version : R18.2s (LMS Tech)
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ARCADIS of Los Angeles
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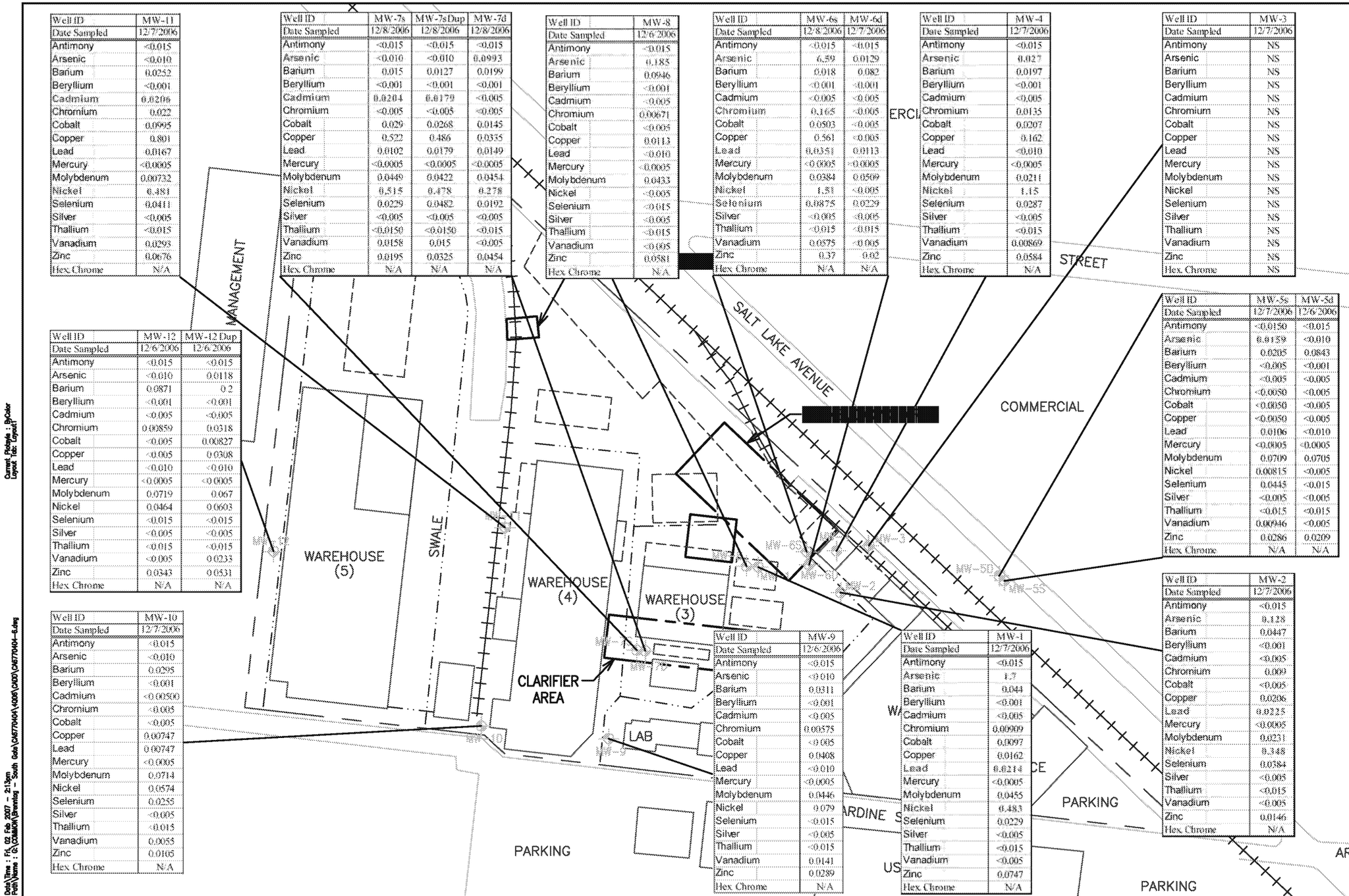
DISTRIBUTION OF VOCs - DECEMBER 2006

BRENNTAG - SOUTH GATE
4545 ARDINE STREET
SOUTH GATE, CALIFORNIA

Project Number: CA000677.0004.00004
Drawing Date: 1/30/07
Figure: 5

ALL RESULTS EXPRESSED IN



Well ID	MW-11
Date Sampled	12/7/2006
Antimony	<0.015
Arsenic	<0.010
Barium	0.0252
Beryllium	<0.001
Cadmium	0.0206
Chromium	0.022
Cobalt	0.0995
Copper	0.801
Lead	0.0167
Mercury	<0.0005
Molybdenum	0.00732
Nickel	0.481
Selenium	0.0411
Silver	<0.005
Thallium	<0.015
Vanadium	0.0293
Zinc	0.0676
Hex Chrome	N/A

Well ID	MW-7s	MW-7sDup	MW-7d
Date Sampled	12/8/2006	12/8/2006	12/8/2006
Antimony	<0.015	<0.015	<0.015
Arsenic	<0.010	<0.010	0.0993
Barium	0.015	0.0127	0.0199
Beryllium	<0.001	<0.001	<0.001
Cadmium	0.0284	0.0179	<0.005
Chromium	<0.005	<0.005	<0.005
Cobalt	0.029	0.0268	0.0145
Copper	0.522	0.486	0.0335
Lead	0.0102	0.0179	0.0149
Mercury	<0.0005	<0.0005	<0.0005
Molybdenum	0.0449	0.0422	0.0454
Nickel	0.515	0.478	0.278
Selenium	0.0229	0.0482	0.0192
Silver	<0.005	<0.005	<0.005
Thallium	<0.0150	<0.0150	<0.015
Vanadium	0.0158	0.015	<0.005
Zinc	0.0195	0.0325	0.0454
Hex Chrome	N/A	N/A	N/A

Well ID	MW-8
Date Sampled	12/6/2006
Antimony	<0.015
Arsenic	0.185
Barium	0.0946
Beryllium	<0.001
Cadmium	<0.005
Chromium	0.00671
Cobalt	<0.005
Copper	0.0113
Lead	<0.010
Mercury	<0.0005
Molybdenum	0.0433
Nickel	<0.005
Selenium	<0.015
Silver	<0.005
Thallium	<0.015
Vanadium	<0.005
Zinc	0.0581
Hex Chrome	N/A

Well ID	MW-6s	MW-6d
Date Sampled	12/8/2006	12/7/2006
Antimony	<0.015	<0.015
Arsenic	6.59	0.0129
Barium	0.018	0.082
Beryllium	<0.001	<0.001
Cadmium	<0.005	<0.005
Chromium	0.165	<0.005
Cobalt	0.0503	<0.005
Copper	0.561	<0.005
Lead	0.0351	0.0113
Mercury	<0.0005	<0.0005
Molybdenum	0.0384	0.0509
Nickel	1.51	<0.005
Selenium	0.0875	0.0229
Silver	<0.005	<0.005
Thallium	<0.015	<0.015
Vanadium	0.0575	<0.005
Zinc	0.37	0.02
Hex Chrome	N/A	N/A

Well ID	MW-4
Date Sampled	12/7/2006
Antimony	<0.015
Arsenic	0.827
Barium	0.0197
Beryllium	<0.001
Cadmium	<0.005
Chromium	0.0135
Cobalt	0.0207
Copper	0.162
Lead	<0.010
Mercury	<0.0005
Molybdenum	0.0211
Nickel	1.15
Selenium	0.0287
Silver	<0.005
Thallium	<0.015
Vanadium	0.00869
Zinc	0.0584
Hex Chrome	N/A

Well ID	MW-3
Date Sampled	12/7/2006
Antimony	NS
Arsenic	NS
Barium	NS
Beryllium	NS
Cadmium	NS
Chromium	NS
Cobalt	NS
Copper	NS
Lead	NS
Mercury	NS
Molybdenum	NS
Nickel	NS
Selenium	NS
Silver	NS
Thallium	NS
Vanadium	NS
Zinc	NS
Hex Chrome	NS

Well ID	MW-12	MW-12 Dup
Date Sampled	12/6/2006	12/6/2006
Antimony	<0.015	<0.015
Arsenic	<0.010	0.0118
Barium	0.0871	0.2
Beryllium	<0.001	<0.001
Cadmium	<0.005	<0.005
Chromium	0.00859	0.0318
Cobalt	<0.005	0.00827
Copper	<0.005	0.0308
Lead	<0.010	<0.010
Mercury	<0.0005	<0.0005
Molybdenum	0.0719	0.067
Nickel	0.0464	0.0603
Selenium	<0.015	<0.015
Silver	<0.005	<0.005
Thallium	<0.015	<0.015
Vanadium	<0.005	0.0233
Zinc	0.0343	0.0531
Hex Chrome	N/A	N/A

Well ID	MW-5s	MW-5d
Date Sampled	12/7/2006	12/6/2006
Antimony	<0.0150	<0.015
Arsenic	0.0159	<0.010
Barium	0.0205	0.0843
Beryllium	<0.005	<0.001
Cadmium	<0.005	<0.005
Chromium	<0.0050	<0.005
Cobalt	<0.0050	<0.005
Copper	<0.0050	<0.005
Lead	0.0106	<0.010
Mercury	<0.0005	<0.0005
Molybdenum	0.0709	0.0705
Nickel	0.00815	<0.005
Selenium	0.0445	<0.015
Silver	<0.005	<0.005
Thallium	<0.015	<0.015
Vanadium	0.00946	<0.005
Zinc	0.0286	0.0209
Hex Chrome	N/A	N/A

Well ID	MW-10
Date Sampled	12/7/2006
Antimony	<0.015
Arsenic	<0.010
Barium	0.0295
Beryllium	<0.001
Cadmium	<0.00500
Chromium	<0.005
Cobalt	<0.005
Copper	0.00747
Lead	0.00747
Mercury	<0.0005
Molybdenum	0.0714
Nickel	0.0574
Selenium	0.0255
Silver	<0.005
Thallium	<0.015
Vanadium	0.0055
Zinc	0.0105
Hex Chrome	N/A

Well ID	MW-9
Date Sampled	12/6/2006
Antimony	<0.015
Arsenic	<0.010
Barium	0.0311
Beryllium	<0.001
Cadmium	<0.005
Chromium	0.00575
Cobalt	<0.005
Copper	0.0408
Lead	<0.010
Mercury	<0.0005
Molybdenum	0.0446
Nickel	0.079
Selenium	<0.015
Silver	<0.005
Thallium	<0.015
Vanadium	0.0141
Zinc	0.0289
Hex Chrome	N/A

Well ID	MW-1
Date Sampled	12/7/2006
Antimony	<0.015
Arsenic	1.7
Barium	0.044
Beryllium	<0.001
Cadmium	<0.005
Chromium	0.00909
Cobalt	0.0097
Copper	0.0162
Lead	0.0214
Mercury	<0.0005
Molybdenum	0.0455
Nickel	0.483
Selenium	0.0229
Silver	<0.005
Thallium	<0.015
Vanadium	<0.005
Zinc	0.0747
Hex Chrome	N/A

Well ID	MW-2
Date Sampled	12/7/2006
Antimony	<0.015
Arsenic	0.128
Barium	0.0447
Beryllium	<0.001
Cadmium	<0.005
Chromium	0.009
Cobalt	<0.005
Copper	0.0206
Lead	0.0225
Mercury	<0.0005
Molybdenum	0.0231
Nickel	0.348
Selenium	0.0384
Silver	<0.005
Thallium	<0.015
Vanadium	<0.005
Zinc	0.0146
Hex Chrome	N/A

LEGEND

MW-SP — EXISTING GROUNDWATER MONITORING WELL

HIGHLIGHTED METALS EXCEED REGULATORY LIMITS

PROPERTY BOUNDARY

DRUM STORAGE AREA

NOTES:

ALL RESULTS EXPRESSED IN MILLIGRAMS PER LITER (MG/L)

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Acad Version : R16.2s (LMS Tech)
User Name : gcarlton

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1400 N. Harbor Boulevard
Fullerton, California 92835-4127
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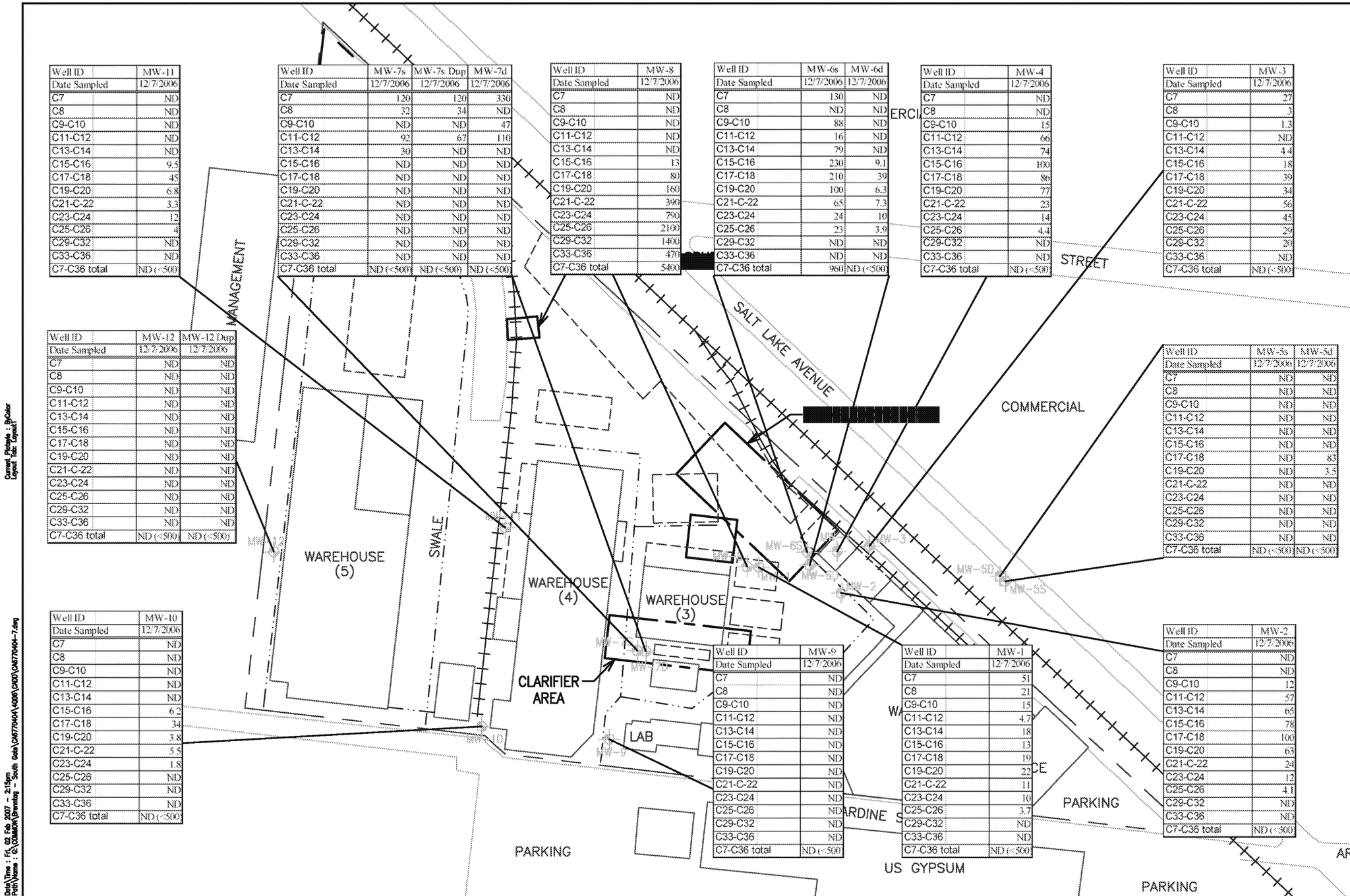
DISTRIBUTION OF DISSOLVED METALS - DECEMBER 2006

BRENNTAG PACIFIC, INC.
4545 ARDINE STREET
SOUTH GATE, CALIFORNIA

Project Number: CA000677.0004.00004
Drawing Date: 1/30/07
Figure: 6



Well ID	MW-11
Date Sampled	12/7/2006
C7	ND
C8	ND
C9-C10	ND
C11-C12	ND
C13-C14	ND
C15-C16	9.5
C17-C18	45
C19-C20	6.8
C21-C-22	3.3
C23-C24	12
C25-C26	4
C29-C32	ND
C33-C36	ND
C7-C36 total	ND (<500)

Well ID	MW-7s	MW-7s Dup	MW-7d
Date Sampled	12/7/2006	12/7/2006	12/7/2006
C7	120	120	330
C8	32	34	ND
C9-C10	ND	ND	47
C11-C12	92	67	110
C13-C14	30	ND	ND
C15-C16	ND	ND	ND
C17-C18	ND	ND	ND
C19-C20	ND	ND	ND
C21-C-22	ND	ND	ND
C23-C24	ND	ND	ND
C25-C26	ND	ND	ND
C29-C32	ND	ND	ND
C33-C36	ND	ND	ND
C7-C36 total	ND (<500)	ND (<500)	ND (<500)

Well ID	MW-8
Date Sampled	12/7/2006
C7	ND
C8	ND
C9-C10	ND
C11-C12	ND
C13-C14	ND
C15-C16	13
C17-C18	80
C19-C20	160
C21-C-22	390
C23-C24	790
C25-C26	2100
C29-C32	1400
C33-C36	470
C7-C36 total	5400

Well ID	MW-6s	MW-6d
Date Sampled	12/7/2006	12/7/2006
C7	130	ND
C8	ND	ND
C9-C10	88	ND
C11-C12	16	ND
C13-C14	79	ND
C15-C16	230	9.1
C17-C18	210	39
C19-C20	100	6.3
C21-C-22	65	7.3
C23-C24	24	10
C25-C26	23	3.9
C29-C32	ND	ND
C33-C36	ND	ND
C7-C36 total	960	ND (<500)

Well ID	MW-4
Date Sampled	12/7/2006
C7	ND
C8	ND
C9-C10	15
C11-C12	66
C13-C14	74
C15-C16	100
C17-C18	86
C19-C20	77
C21-C-22	23
C23-C24	14
C25-C26	4.4
C29-C32	ND
C33-C36	ND
C7-C36 total	ND (<500)

Well ID	MW-3
Date Sampled	12/7/2006
C7	27
C8	3
C9-C10	1.3
C11-C12	ND
C13-C14	4.4
C15-C16	18
C17-C18	39
C19-C20	34
C21-C-22	56
C23-C24	45
C25-C26	29
C29-C32	20
C33-C36	ND
C7-C36 total	ND (<500)

Well ID	MW-12	MW-12 Dup
Date Sampled	12/7/2006	12/7/2006
C7	ND	ND
C8	ND	ND
C9-C10	ND	ND
C11-C12	ND	ND
C13-C14	ND	ND
C15-C16	ND	ND
C17-C18	ND	ND
C19-C20	ND	ND
C21-C-22	ND	ND
C23-C24	ND	ND
C25-C26	ND	ND
C29-C32	ND	ND
C33-C36	ND	ND
C7-C36 total	ND (<500)	ND (<500)

Well ID	MW-5s	MW-5d
Date Sampled	12/7/2006	12/7/2006
C7	ND	ND
C8	ND	ND
C9-C10	ND	ND
C11-C12	ND	ND
C13-C14	ND	ND
C15-C16	ND	ND
C17-C18	ND	83
C19-C20	ND	3.5
C21-C-22	ND	ND
C23-C24	ND	ND
C25-C26	ND	ND
C29-C32	ND	ND
C33-C36	ND	ND
C7-C36 total	ND (<500)	ND (<500)

Well ID	MW-10
Date Sampled	12/7/2006
C7	ND
C8	ND
C9-C10	ND
C11-C12	ND
C13-C14	ND
C15-C16	6.2
C17-C18	34
C19-C20	3.8
C21-C-22	5.5
C23-C24	1.8
C25-C26	ND
C29-C32	ND
C33-C36	ND
C7-C36 total	ND (<500)

Well ID	MW-9
Date Sampled	12/7/2006
C7	ND
C8	ND
C9-C10	ND
C11-C12	ND
C13-C14	ND
C15-C16	ND
C17-C18	ND
C19-C20	ND
C21-C-22	ND
C23-C24	ND
C25-C26	ND
C29-C32	ND
C33-C36	ND
C7-C36 total	ND (<500)

Well ID	MW-1
Date Sampled	12/7/2006
C7	51
C8	21
C9-C10	15
C11-C12	4.7
C13-C14	18
C15-C16	13
C17-C18	19
C19-C20	22
C21-C-22	11
C23-C24	10
C25-C26	3.7
C29-C32	ND
C33-C36	ND
C7-C36 total	ND (<500)

Well ID	MW-2
Date Sampled	12/7/2006
C7	ND
C8	ND
C9-C10	12
C11-C12	57
C13-C14	65
C15-C16	78
C17-C18	100
C19-C20	63
C21-C-22	24
C23-C24	12
C25-C26	4.1
C29-C32	ND
C33-C36	ND
C7-C36 total	ND (<500)

LEGEND

MW-SP EXISTING GROUNDWATER MONITORING WELL

PROPERTY BOUNDARY

DRUM STORAGE AREA

NOTES:

ALL RESULTS EXPRESSED IN MILLIGRAMS PER LITER (MG/L)

N

0 60 120

Scale In Feet

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Acad Version : R16.2s (LMS Tech)
User Name : gcarlton

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J. PETERS

Project Manager
G. FIOL

Task Manager
R. HALPERN

Technical Review
K. STEVENS

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ARCADIS of Los Angeles
1400 N. Harbor Boulevard
Fullerton, California 92835-4127
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DISTRIBUTION OF PETROLEUM HYDROCARBONS - DECEMBER 2006

BRENNTAG PACIFIC, INC.
4545 ARDINE STREET
SOUTH GATE, CALIFORNIA

Project Number
CA000677.0004.00004

Drawing Date
1/30/07

Figure
7

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Tables

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Table 1. Summary of Groundwater Gauging Data
Brenntag South Gate, South Gate, California

Well Identification	Screen Interval (feet)	Date	Top of Casing Elev. (famsl)	Depth to Groundwater (feet)	Groundwater Elevation (famsl)
MW-1	65 to 75	12/18/05	119.12	59.80	59.32
		5/22/06	119.12	55.88	63.24
		12/6/06	119.12	56.49	62.63
MW-2	50 to 85	12/18/05	118.50	58.85	59.65
		5/22/06	118.50	55.77	62.73
		12/6/06	118.50	55.65	62.85
MW-3	50 to 85	12/18/05	117.88	58.28	59.60
		5/22/06	117.88	55.02	62.86
		12/6/06	117.88	NM	NM
MW-4	50 to 85	12/18/05	119.21	NM	NM
		5/22/06	119.21	55.93	63.28
		12/6/06	119.21	55.70	63.51
MW-5S	53 to 73	12/18/05	118.54	NM	NM
		5/22/06	118.54	55.19	63.35
		12/6/06	118.54	54.93	63.61
MW-5D	83 to 93	12/18/05	118.63	NM	NM
		5/22/06	118.63	55.51	63.12
		12/6/06	118.63	55.50	63.13
MW-6S	51 to 71	12/18/05	119.04	59.40	59.64
		5/22/06	119.04	55.86	63.18
		12/6/06	119.04	56.24	62.80
MW-6D	81 to 91	12/18/05	119.09	59.70	59.39
		5/22/06	119.09	56.45	62.64
		12/6/06	119.09	56.43	62.66
MW-7S	53 to 73	12/18/05	119.65	60.08	59.57
		5/22/06	119.65	57.04	62.61
		12/6/06	119.65	57.27	62.38

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Table 1. Summary of Groundwater Gauging Data
Brenntag South Gate, South Gate, California

Well Identification	Screen Interval (feet)	Date	Top of Casing Elev. (famsl)	Depth to Groundwater (feet)	Groundwater Elevation (famsl)
MW-7D	86 to 96	12/18/05	119.62	60.66	58.96
		5/22/06	119.62	57.21	62.41
		12/6/06	119.62	57.50	62.12
MW-8	86 to 96	12/18/05	119.09	59.85	59.24
		5/22/06	119.09	55.65	63.44
		12/6/06	119.09	56.60	62.49
MW-9	52 to 97	12/18/05	119.35	59.90	59.45
		5/22/06	119.35	56.57	62.78
		12/6/06	119.35	56.86	62.49
MW-10	52 to 97	12/18/05	119.93	60.66	59.27
		5/22/06	119.93	57.38	62.55
		12/6/06	119.93	57.39	62.54
MW-11	50 to 95	12/18/05	120.43	58.75	61.68
		5/22/06	120.43	51.29	69.14
		12/6/06	120.43	51.33	69.10
MW-12	40 to 75	12/18/05	NS	61.30	NA
		5/22/06	NS	57.92	NA
		12/6/06	NS	58.19	NA

famsl feet above mean sea level
NM not measured
NS not surveyed
NA not applicable

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Table 2. Summary of Second 2006 Semi-Annual Groundwater Analytical Results (VOCs and Field Parameters)
Brenntag South Gate, South Gate, California

Well ID	MW-1	MW-2	MW-3	MW-4	MW-5s	MW-5d	MW-6s	MW-6d	MW-7s	MW-7sDup	MW-7d	MW-8	MW-9	MW-10	MW-11	MW-12	MW-12 Dup	EB 12-6-06	EQB 12/7/06	EQ 12/7/06	TB	TB	TB
Date Sampled	12/7/2006	12/7/2006	12/7/2006	12/7/2006	12/7/2006	12/6/2006	12/8/2006	12/7/2006	12/8/2006	12/8/2006	12/8/2006	12/6/2006	12/6/2006	12/7/2006	12/7/2006	12/6/2006	12/6/2006	12/6/2006	12/7/06	12/7/06	12/6/2006	12/7/06	12/8/2006
VOCs by EPA Method 8260 (µg/L)																							
Acetone	ND<50	ND<50	NS	ND<50	ND<100	ND<50	ND<1000	ND<50	ND<250	ND<250	ND<2000	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50	ND<50
Benzene	**1.4**	**0.96**	NS	**0.97**	ND<1.0	**0.72**	**17**	ND<0.50	ND<2.5	**2.8**	ND<10	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Bromobenzene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Bromochloromethane	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Bromodichloromethane	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Bromoform	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Bromomethane	ND<10	ND<10	NS	ND<10	ND<20	ND<10	ND<200	ND<10	ND<50	ND<50	ND<200	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
2-Butanonoe (MEK)	ND<10	ND<10	NS	ND<10	ND<20	ND<10	ND<200	ND<10	ND<50	ND<50	ND<200	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
n-Butylbenzene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
sec-Butylbenzene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
tert-Butylbenzene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Carbon Disulfide	ND<10	ND<10	NS	ND<10	ND<20	ND<10	ND<200	ND<10	ND<50	ND<50	ND<200	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
Carbon Tetrachloride	ND<0.50	ND<0.50	NS	ND<0.50	ND<1.0	ND<0.50	ND<10	ND<0.50	ND<2.5	ND<2.5	ND<10	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Chlorobenzene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	**3.5**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Chloroethane	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Chloroform	**3.9**	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	**30**	ND<1.0	**60**	**29**	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Chlormethne	ND<10	ND<10	NS	ND<10	ND<20	ND<10	ND<200	ND<10	ND<50	ND<50	ND<200	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
2-Chlorotoluene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
4-Chlorotoluene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Dibromochloromethane	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5	ND<5	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,2-Dibromo-3-Chloropropane	ND<5.0	ND<5.0	NS	ND<5.0	ND<10	ND<5.0	ND<100.0	ND<5.0	ND<25	ND<25	ND<100	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
1,2-Dibromoethane	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Dibromomethane	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,2-Dichlorobenzene	**19**	**1.8**	NS	**4.2**	ND<2.0	ND<1.0	ND<20	ND<1.0	**110**	**120**	**220**	ND<1.0	**43**	**7.9**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,3-Dichlorobenzene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,4-Dichlorobenzene	**4.2**	**1**	NS	**3.2**	ND<2.0	ND<1.0	ND<20	ND<1.0	**12**	**13**	**30**	ND<1.0	**6.8**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Dichlorodifluoromethane	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,1-Dichloroethane	**4.5**	**3.3**	NS	**1.2**	**2.2**	ND<1.0	ND<20	ND<1.0	**11**	**12**	**36**	ND<1.0	**1.7**	**1.8**	**1.8**	**19**	**20**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,2-Dichloroethane	**4.2**	**6.2**	NS	**1.4**	ND<1.0	**0.99**	ND<10	ND<0.50	**15**	**18**	**170**	ND<0.50	ND<0.50	ND<0.50	**2**	**0.54**	**0.53**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
1,1-Dichloroethene	**6.9**	**2.9**	NS	**2.6**	**2.6**	ND<1.0	ND<20	ND<1.0	**11**	**12**	ND<20	ND<1.0	**1.2**	**4.4**	**5**	**19**	**20**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
c-1,2-Dichloroethene	**210**	**94**	NS	**72**	**18**	**38**	**2,300**	**6.4**	**9.8**	**12**	**200**	**1.2**	**6.6**	**57**	ND<1.0	**6.6**	**6.9**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
t-1,2-Dichloroethene	**4.4**	**3.4**	NS	**5.6**	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	**3.1**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,2-Dichloropropane	**4.3**	**3.4**	NS	**2**	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	**22**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,3-Dichloropropane	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
2,2-Dichloropropane	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,1-Dichloropropene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
c-1,3-Dichloropropene	ND<0.50	ND<0.50	NS	ND<0.50	ND<1.0	ND<0.50	ND<10	ND<0.50	ND<2.5	ND<2.5	ND<10	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
t-1,3-Dichloropropene	ND<0.50	ND<0.50	NS	ND<0.50	ND<1.0	ND<0.50	ND<10	ND<0.50	ND<2.5	ND<2.5	ND<10	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
Ethylbenzene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
2-Hexanone	ND<10	ND<10	NS	ND<10	ND<20	ND<10	ND<200	ND<10	ND<50	ND<50	ND<200	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
Isopropylbenzene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
p-Isopropyltoluene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Methylene Chlorode	ND<10	ND<10	NS	ND<10	ND<20	ND<10	ND<200	ND<10	ND<50	ND<50	ND<200	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
4-Methyl-2-Pentanone	ND<10	ND<10	NS	ND<10	ND<20	ND<10	ND<200	ND<10	ND<50	ND<50	ND<200	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
Naphthalene	ND<10	ND<10	NS	ND<10	ND<20	ND<10	ND<200	ND<10	ND<50	ND<50	ND<200	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
n-Propylbenzene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Styrene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,1,1,2-Tetrachloroethane	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,1,2,2-Tetrachloroethane	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Tetrachloroethene (PCE)	**48**	**3.3**	NS	**7.8**	**6.7**	ND<1.0	**120**	ND<1.0	**140**	**150**	**110**	**4.9**	**7**	ND<1.0	**3.2**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Toluene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,2,3-Trichlorobenzene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,2,4-Trichlorobenzene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,1,1-Trichloroethane	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND<10	ND<10	NS	ND<10	ND<20	ND<10	ND<200	ND<10	ND<50	ND<50	ND<200	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
1,1,2-Trichloroethane	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Trichloroethene (TCE)	**400**	**110**	NS	**110**	**200**	**3.1**	**460**	**3.3**	**490**	**540**	**1,200**	**9.8**	**19**	**25**	**60**	**1.6**	**1.6**	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Trichlorofluoromethane	ND<10	ND<10	NS	ND<10	ND<20	ND<10	ND<200	ND<10	ND<50	ND<50	ND<200	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
1,2,3-Trichloropropane	ND<5.0	ND<5.0	NS	ND<5.0	ND<10	ND<5.0	ND<100.0	ND<5.0	ND<25	ND<25	ND<100	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0

ARCADIS

Table 2. Summary of Second 2006 Semi-Annual Groundwater Analytical Results (VOCs and Field Parameters)
Brenntag South Gate, South Gate, California

Well ID	MW-1	MW-2	MW-3	MW-4	MW-5s	MW-5d	MW-6s	MW-6d	MW-7s	MW-7sDup	MW-7d	MW-8	MW-9	MW-10	MW-11	MW-12	MW-12 Dup	EB 12-6-06	EQB 12/7/06	EQ 12/7/06	TB	TB	TB
Date Sampled	12/7/2006	12/7/2006	12/7/2006	12/7/2006	12/7/2006	12/6/2006	12/8/2006	12/7/2006	12/8/2006	12/8/2006	12/8/2006	12/6/2006	12/6/2006	12/7/2006	12/7/2006	12/6/2006	12/6/2006	12/6/2006	12/7/06	12/7/06	12/6/2006	12/7/06	12/8/2006
1,2,4-Trimethylbenzene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1,3,5-Trimethylbenzene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Vinyl Acetate	ND<10	ND<10	NS	ND<10	ND<20	ND<10	ND<200	ND<10	ND<50	ND<50	ND<200	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
Vinyl Chloride	**0.62**	**0.82**	NS	ND<0.50	ND<1.0	ND<0.50	ND<10	ND<0.50	ND<2.5	ND<2.5	ND<10	ND<0.50	ND<0.50	**0.65**	ND<0.50	**1.2**	**1.2**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
p/m-Xylene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
o-Xylene	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Methyl-t-Butyl Ether (MTBE)	ND<1.0	ND<1.0	NS	ND<1.0	ND<2.0	ND<1.0	ND<20	ND<1.0	ND<5.0	ND<5.0	ND<20	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
Tert-Butyl Alcohol (TBA)	ND<10	**10**	NS	ND<10	ND<20	ND<10	ND<200	ND<10	ND<50	ND<50	ND<200	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
Diisopropyl Ether (DIPE)	**2.7**	ND<2.0	NS	ND<2.0	ND<4.0	ND<2.0	ND<40	ND<2.0	ND<10	ND<10	ND<40	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Ethyl-t-Butyl Ether (ETBE)	ND<2.0	ND<2.0	NS	ND<2.0	ND<4.0	ND<2.0	ND<40	ND<2.0	ND<10	ND<10	ND<40	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Tert-Amyl-Methyl Ether (TAME)	ND<2.0	ND<2.0	NS	ND<2.0	ND<4.0	ND<2.0	ND<40	ND<2.0	ND<10	ND<10	ND<40	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
Ethanol	ND<100	ND<100	NS	ND<100	ND<200	ND<100	ND<2000	ND<100	ND<500	ND<500	ND<2000	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100	ND<100
Other Parameters																							
1,4-Dioxane (ug/L)	**5.2**	**120**		**46**	<2	**3.7**	**14**	<2.0	**15**	**16**	**64**	<2.0	**4.8**	**15**	**2.3**	**82**	**79**	<2.0	<2.0	<2.0			
TPH C7-C36 (ug/L)																							
pH (Standard units)	7.09	7.06		6.89	7.25	7.52	7.1	7.29	7.4		7.04	7.34	7.43	7.27	7.07	7.27							
Specific Conductivity (micromhos per centimeter)	0.768	0.621		0.924	0.186	0.104	1.27	0.113	0.528		0.501	0.105	0.273	0.305	0.84	0.295							
Oxidation Reduction Potential (ORP) (millivolts)	-91	-127		-62	44	-162	-45	-95	13		-55	-89	-101	-52	155	-109							
Dissolved Oxygen (DO) (mg/L)	1.43	0.92		0.84	3.14	6.99	0.94	2.67	1.7		1.62	1.54	6.25	1.32	2.72	1.07							
Temperature (Degrees Celsius)	24.1	25.3		23.4	24.5	24.7	27.3	22.2	22.5		20.5	22.6	23.9	21.1	18.8	23							

Notes:

VOCs	Volatile Organic Compounds
mg/L	Milligrams per liter
µg/L	Micrograms per liter
Dup	Duplicate Sample
<1.0	Not detected above indicated reporting limit indicated
MCL	Maximum Cantaminant Levles in µg/L.
--	Not Available
NS	Not Sampled
EB	Equipment blank
TB	Trip blank

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Table 3. Summary of Second 2006 Semi-Annual Groundwater Analytical Results (Dissolved Metals and Petroleum Hydrocarons)
Brenntag South Gate, South Gate, California

Well ID	MW-1	MW-2	MW-3	MW-4	MW-5s	MW-5d	MW-6s	MW-6d	MW-7s	MW-7sDup	MW-7d	MW-8	MW-9	MW-10	MW-11	MW-12	MW-12 Dup	EB 12-6-06	EQB 12/7/06	EQ 12/7/06	TB	TB	TB
Date Sampled	12/7/2006	12/7/2006	12/7/2006	12/7/2006	12/7/2006	12/6/2006	12/8/2006	12/7/2006	12/8/2006	12/8/2006	12/8/2006	12/6/2006	12/6/2006	12/7/2006	12/7/2006	12/6/2006	12/6/2006	12/6/2006	12/7/06	12/7/06	12/6/2006	12/7/06	12/8/2006
Metals by EPA 6010/7000 (mg/L)																							
Antimony	<0.015	<0.015	NS	<0.015	<0.0150	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	N/A	N/A	N/A
Arsenic	1.7	0.128	NS	0.027	0.0159	<0.010	6.59	0.0129	<0.010	<0.010	0.0993	0.185	<0.010	<0.010	<0.010	<0.010	0.0118	<0.010	<0.010	<0.010	N/A	N/A	N/A
Barium	0.044	0.0447	NS	0.0197	0.0205	0.0843	0.018	0.082	0.015	0.0127	0.0199	0.0946	0.0311	0.0295	0.0252	0.0871	0.2	<0.010	<0.010	<0.010	N/A	N/A	N/A
Beryllium	<0.001	<0.001	NS	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	N/A	N/A	N/A
Cadmium	<0.005	<0.005	NS	<0.005	<0.005	<0.005	<0.005	<0.005	0.0204	0.0179	<0.005	<0.005	<0.005	<0.00500	0.0206	<0.005	<0.005	<0.005	<0.005	<0.005	N/A	N/A	N/A
Chromium	0.00909	0.009	NS	0.0135	<0.0050	<0.005	0.165	<0.005	<0.005	<0.005	<0.005	0.00671	0.00575	<0.005	0.022	0.00859	0.0318	<0.005	<0.005	<0.005	N/A	N/A	N/A
Cobalt	0.0097	<0.005	NS	0.0207	<0.0050	<0.005	0.0503	<0.005	0.029	0.0268	0.0145	<0.005	<0.005	<0.005	0.0995	<0.005	0.00827	<0.005	<0.005	<0.005	N/A	N/A	N/A
Copper	0.0162	0.0206	NS	0.162	<0.0050	<0.005	0.561	<0.005	0.522	0.486	0.0335	0.0113	0.0408	0.00747	0.801	<0.005	0.0308	<0.005	<0.005	<0.005	N/A	N/A	N/A
Lead	0.0214	0.0225	NS	<0.010	0.0106	<0.010	0.0351	0.0113	0.0102	0.0179	0.0149	<0.010	<0.010	0.00747	0.0167	<0.010	<0.010	<0.010	<0.010	<0.010	N/A	N/A	N/A
Mercury	<0.0005	<0.0005	NS	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	N/A	N/A	N/A
Molybdenum	0.0455	0.0231	NS	0.0211	0.0709	0.0705	0.0384	0.0509	0.0449	0.0422	0.0454	0.0433	0.0446	0.0714	0.00732	0.0719	0.067	<0.005	<0.005	<0.005	N/A	N/A	N/A
Nickel	0.483	0.348	NS	1.15	0.00815	<0.005	1.51	<0.005	0.515	0.478	0.278	<0.005	0.079	0.0574	0.481	0.0464	0.0603	<0.005	<0.005	<0.005	N/A	N/A	N/A
Selenium	0.0229	0.0384	NS	0.0287	0.0445	<0.015	0.0875	0.0229	0.0229	0.0482	0.0192	<0.015	<0.015	0.0255	0.0411	<0.015	<0.015	<0.015	<0.015	<0.015	N/A	N/A	N/A
Silver	<0.005	<0.005	NS	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	N/A	N/A	N/A
Thallium	<0.015	<0.015	NS	<0.015	<0.015	<0.015	<0.015	<0.015	<0.0150	<0.0150	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	N/A	N/A	N/A
Vanadium	<0.005	<0.005	NS	0.00869	0.00946	<0.005	0.0575	<0.005	0.0158	0.015	<0.005	<0.005	0.0141	0.0055	0.0293	<0.005	0.0233	<0.005	<0.005	<0.005	N/A	N/A	N/A
Zinc	0.0747	0.0146	NS	0.0584	0.0286	0.0209	0.37	0.02	0.0195	0.0325	0.0454	0.0581	0.0289	0.0105	0.0676	0.0343	0.0531	0.0217	ND<0.010	ND<0.010	N/A	N/A	N/A
Hex. Chrome	N/A	N/A	NS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TPH C7-C36 by EPA Method 8015M (mg/L)																							
C7	53	ND	NS	ND	ND	ND	130	ND	120	120	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	N/A
C8	21	ND	NS	ND	ND	ND	ND	ND	32	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	N/A
C9-C10	15	12	NS	15	ND	ND	88	ND	ND	ND	47	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	N/A
C11-C12	4.7	57	NS	66	ND	ND	16	ND	92	67	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	N/A
C13-C14	18	65	NS	74	ND	ND	79	ND	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	N/A
C15-C16	13	78	NS	100	ND	ND	230	9.1	ND	ND	ND	13	ND	6.2	9.5	ND	ND	ND	ND	ND	N/A	N/A	N/A
C17-C18	19	100	NS	86	ND	83	210	39	ND	ND	ND	80	ND	34	45	ND	ND	ND	ND	ND	N/A	N/A	N/A
C19-C20	22	63	NS	77	ND	3.5	100	6.3	ND	ND	ND	160	ND	3.8	6.8	ND	ND	ND	ND	ND	N/A	N/A	N/A
C21-C22	11	24	NS	23	ND	ND	65	7.3	ND	ND	ND	390	ND	5.5	3.3	ND	ND	ND	ND	ND	N/A	N/A	N/A
C23-C24	10	12	NS	14	ND	ND	24	10	ND	ND	ND	790	ND	1.8	12	ND	ND	ND	ND	ND	N/A	N/A	N/A
C25-C28	3.7	4.1	NS	4.4	ND	ND	23	3.9	ND	ND	ND	2100	ND	ND	4	ND	ND	ND	ND	ND	N/A	N/A	N/A
C29-C32	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	1400	**ND**	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	N/A
C33-C36	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	470	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A	N/A
C7-C36 total	ND (<500)	ND (<500)	NS	ND (<500)	ND (<500)	ND (<500)	960	ND (<500)	ND (<500)	ND (<500)	ND (<500)	5400	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	ND (<500)	N/A	N/A	N/A

Notes:

mg/L	Milligrams per liter
Dup	Duplicate Sample
<1.0	Not detected above indicated reporting limit indicated
--	Not Available
NS	Not Sampled
EB	Equipment Blank
TB	Trip Blank

ARCADIS

Appendix A

Field Monitoring Forms

WELL DEVELOPMENT DATA SHEET

Project #: 060911-S41	Client: Arcadis
Developer: SA	Date Developed: 9/11/06
Well I.D. MW-12	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 78.35 After 81.40	Depth to Water: Before 57.73 After 58.90
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
$\{12 \times (d^2/4) \times \pi\} / 231$
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

13.4	X	—		—
1 Case Volume		Specified Volumes	=	gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or (µS))	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
0857	— surged well for 15 min —					
0925	— begin purge w/ PAD pump —					
1109	71.8	7.2	2766	>1000	23	DTW = 58.30
1127	72.2	7.2	2777	328	30	
1133	— switch to ES pump —					flow Rate ~ 2 GPM
1141	73.5	7.3	2705	>1000	40	DTW = 59.48
1147	73.4	7.3	2676	>1000	50	DTW = 59.40
1154	73.4	7.3	2757	>1000	60	DTW = 59.42
1200	73.4	7.3	2807	>1000	70	DTW = 59.43
1206	73.4	7.3	2823	304	80	
1209	73.5	7.2	2818	245	85	

Did Well Dewater? No	If yes, note above.	Gallons Actually Evacuated:	85

WELL DEVELOPMENT DATA SHEET

Project #: 060911-St1	Client: Arcadis
Developer: St	Date Developed: 9/11/06
Well I.D. MW-8	Well Diameter: (circle one) 2 3 4 6
Total Well Depth: Before 93.80 After 94.58	Depth to Water: Before 56.50 After 57.68
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
$\{12 \times (d^2/4) \times \pi\} / 231$
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

24.2	X		=	
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1326	— swabbed well for 10 min —					
1346	- Begin purge w/ PAD pump —					Agitate bottom of well w/ pump
1503	75.3	7.5	977.6	272	20	DTW = 56.45 Hard Bottom
— switch to ES pump —						
1510	resume purge					
1514	74.1	7.4	942.7	69	30	59.30 = DTW
1519	73.5	7.4	941.6	17	40	59.40 = DTW
1523	73.4	7.4	940.6	7	50	

Did Well Dewater? No	If yes, note above.	Gallons Actually Evacuated:	50

WELL DEVELOPMENT DATA SHEET

Project #: 060911-SA1	Client: Arcadis
Developer: SA	Date Developed: 9/11/06
Well I.D. MW-1	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 68.42 After 69.23	Depth to Water: Before 56.32 After 57.02
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
$(12 \times (d^2/4) \times \pi) / 231$
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

~1 Case Volume	X	Specified Volumes	=	gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1544	- surged well for 12 min					
1600	- Begin purge w/ PAD pump					Aggitated bottom of well w/PAD pump
1725	- switch to ES pump @ 13 gal					
1734	76.1	7.1	6773	246	23	
1746	76.3	7.2	6535	150	33	slight sheen/odor
1751	75.8	7.1	6564	20	40	
1757	75.9	7.1	6471	10	50	
Did Well Dewater? NO		If yes, note above.		Gallons Actually Evacuated:		50

WELL DEVELOPMENT DATA SHEET

Project #: 060911-S1	Client: Arcadis
Developer: SA	Date Developed: 9/12/06
Well I.D. mw-9	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 93.02 After 93.85	Depth to Water: Before 56.50 After 57.90
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
$\{12 \times (d^2/4) \times \pi\} / 231$
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

_____	X	_____	=	_____
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☒ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or (µS))	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
0820	— Surged well for 15 min —					
0845	— Begin purge w/PAD pump —					Agitated well bottom w/PAD pump
0930	71.6	7.3	2606	216	15	Dtw = 57.20 Hard Bottom
1014	72.6	7.4	2452	190	30	
1051	73.5	7.5	2469	19	40	Dtw = 57.20
1057	— switch to ES pump —					
1059	72.7	7.4	2456	4	50	
1102	72.6	7.4	2495	4	60	
1104	72.7	7.3	2601	6	70	

Did Well Dewater? NO	If yes, note above.	Gallons Actually Evacuated:	70

WELL DEVELOPMENT DATA SHEET

Project #: 060911-841	Client: Arcadis
Developer: SA	Date Developed: 9/12/06
Well I.D. MW-5d	Well Diameter: (circle one) 2 3 (4) 6 __
Total Well Depth: Before 91.19 After 91.35	Depth to Water: Before 55.90 After 87.21
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
$\{12 \times (d^2/4) \times \pi\} / 231$
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

1 Case Volume	X	Specified Volumes	=	gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☒ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1245	— well surged for 10 min —					
1305	— Begin purge w/PAD pump —					
1333	73.9	7.9	996.7	107	10	Hard Bottom
—	switch to ES pump —					
1340	— Begin w/ ES —					
1343	72.4	7.8	9328	10	20	
1346	72.3	7.7	929.8	8	30	
—	well dewatered @ 31 gal —					

Did Well Dewater? yes | If yes, note above. | Gallons Actually Evacuated: 31

WELL DEVELOPMENT DATA SHEET

Project #: 060911-341	Client: Arcadis
Developer: JA	Date Developed: 9/12/06
Well I.D. MW-53	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 69.75 After 70.15	Depth to Water: Before 54.83 After 61.35
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
$\{12 \times (d^2/4) \times \pi\} / 231$
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

_____	X	_____	=	_____
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☒ Electric Submersible
- ☐ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1350	- Surged well		for 15 min		—	
1405	— Begin Purge w/ PAD pump				—	
1444	73.5	7.5	1804	40	15	Hard Bottom DTW = 57.20
1453	72.8	7.4	1801	31	20	
1501	73.7	7.4	1803	16	25	DTW = 57.10
—	switch to ES pump				—	
1511	73.3	7.4	1790	28	30	
1512	72.4	7.3	1770	25	35	DTW = 63.05
1514	71.9	7.3	1788	8	45	
1516	71.6	7.3	1816	7	55	

Did Well Dewater? NO	If yes, note above.	Gallons Actually Evacuated:	55

WELL DEVELOPMENT DATA SHEET

Project #: 060911-941	Client: Arcadis
Developer: QA	Date Developed: 9/13/06
Well I.D. mw-10	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 93.07 After 94.78	Depth to Water: Before 57.20 After 58.90
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
$\{12 \times (d^2/4) \times \pi\} / 231$
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

_____	X	_____	=	_____
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
735 ~~0710~~	— surged well for 15 min —					
0755	— Begin purge w/PAD pump —					
0850	70.4	7.1	2943	142	20	Hard Bottom DTW=58.00
0914	71.0	7.3	2920	>1000	30	DTW = 58.00
0941	70.2	7.4	2897	130	40	
—	Switch to ES pump					
0950	71.3	7.3	2881	30	50	DTW 62.10
0953	71.8	7.2	2864	13	60	
0955	71.9	7.2	2882	24	70	

Did Well Dewater? NO	If yes, note above.	Gallons Actually Evacuated:	70

WELL DEVELOPMENT DATA SHEET

Project #: 060911-ST1	Client: Arcadis
Developer: ST	Date Developed: 9/13/06
Well I.D. MW-2	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 78.40 After 80.55	Depth to Water: Before 55.70 After 75.03
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

1 Case Volume	X	Specified Volumes	=	gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☒ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1030	— surged well for 15 min —					
1055	— Begin purge w/ PAD pump —					
1120	— purge stopped to clear pump					
1235	— purge resumed @ 13 gal —					
1305	— purge stopped to clear pump —					
1330	— purge resumed w/ ES pump @ 25 gal —					
1333	76.8	7.2	9738	42	35	
1336	75.0	7.0	5683	279	45	
—	well dewatered @ 46 gal —					
1351	— purge resumed w/ ES pump					DTW = 63.10
1354	75.1	7.0	4976	42	55	
—	well dewatered @ 55 gal —					

Did Well Dewater? yes If yes, note above. Gallons Actually Evacuated: 55

WELL DEVELOPMENT DATA SHEET

Project #: 060911-9A1	Client: Arcadis
Developer: SA	Date Developed: 9/13/06
Well I.D. mw-7d	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 94.26 After 95.23	Depth to Water: Before 57.45 After 58.00
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
{12 x (d^2/4) x π} /231
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

1 Case Volume	X	Specified Volumes	= gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☑ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1415	— surged well for 10 min —					
1430	— Begin purge w/ PAD pump —					
1457	72.5	7.2	5007	118	10	Hard Bottom DTW = 57.85
1549	72.2	7.2	4820	158	30	DTW = 57.80
—	stop purge switch to ES pump —					
1557	73.1	7.2	4823	13	40	
1559	72.4	7.1	4809	10	50	
1602	72.2	7.1	4771	8	60	
Did Well Dewater? no		If yes, note above.		Gallons Actually Evacuated:		60

WELL DEVELOPMENT DATA SHEET

Project #: 060911-ST1	Client: Arcadis
Developer: SA	Date Developed: 9/14/00
Well I.D. MW-11	Well Diameter: (circle one) 2 3 (4) 6 ___
Total Well Depth: Before 91.08 After	Depth to Water: Before 51.48 After
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
$\{12 \times (d^2/4) \times \pi\} / 231$
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

___	X	___	=	___
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☒ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump ___
Other equipment used ___

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
0803	— surged well for 15 min —					
0825	— Begin purge w/ PAD pump —					
0842	70.6	7.0	7740	>1000	10	Agitated well bottom w/PAD pump
0859	70.0	7.2	7666	>1000	20	DTW = 59.40
0916	69.9	7.2	7587	>1000	30	DTW = 59.03 Firm Bottom
0937	69.9	7.	7337	>1000	40	Agitate well bottom w/pump DTW = 58.8[illegible]
0950	— purge stopped to clear pump —					
0959	— purge resumed —					
1010	70.2	7.2	7337	>1000	50	Agitate bottom w/pump
1037	70.1	7.3	7232	>1000	60	DTW = 59.00 Hard Bottom
1055	69.8	7.3	6980	136	70	
1105	— switch to ES pump @ 75 gal —					
1110	— purge resumed					
Did Well Dewater? ~~no~~	If yes, note above.			Gallons Actually Evacuated:		110

WELL DEVELOPMENT DATA SHEET

Well I.D. mw-11	PAGE 2 OF 2
Project #: 060911-S71	Client: Arcadis

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1112	70.9	7.3	7382	275	80	
1113	71.2	7.3	7120	131	90	
1115	70.8	7.3	7122	58	100	DTW -- 64.00
1117	71.3	7.2	6479	36	110	DTW ~ 65.25

WELL DEVELOPMENT DATA SHEET

Project #: 060911-841	Client: ARCADIS
Developer: SA	Date Developed: 9/14/06
Well I.D. MW-7S	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 71.90 After 72.18	Depth to Water: Before 57.24 After 61.89
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
$\{12 \times (d^2/4) \times \pi\} / 231$
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

1 Case Volume	X	Specified Volumes	=	gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☒ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (°C)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
~~1137~~	~~— Surged well for 10 min —~~					
1210	— Begin purge w/PAD pump —					
1230	—	—	—	51	10	DTW = 58.50
1250	23.1	7.0	3699	12	20	DTW = 58.50
1250	— switch to ES pump					
1259	24.3	7.3	3987	23	30	
1301	24.4	7.2	3900	43	34	
—	well dewatered @ 34 gal					
—	purge resumed DTW = 57.30					
1311	28.4	6.9	3390	8	40	
1313	29.4	6.9	3250	11	46	
—	well dewatered @ 46					

Did Well Dewater? YES If yes, note above. Gallons Actually Evacuated: 46

WELL DEVELOPMENT DATA SHEET

Project #: 060911-371	Client: Arcadis
Developer: SA	Date Developed: 9/14/06
Well I.D. MW-6d	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 90.85 After 91.05	Depth to Water: Before 56.40 After 57.03
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
$\{12 \times (d^2/4) \times \pi\} / 231$
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

_____	X	_____	=	_____
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☒ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1400	-Surged well for 5 min					
1409	- Begin purge w/PAD pump					slight sheen / ODOR
1430	72.9	7.0	1160	190	10	Dtw = 56.40 / Firm Bottom
1451	72.3	7.0	1085	38	20	Dtw = 56.40 Hard Bottom
	switch to ES pump					
1458	73.0	7.0	1105	18	30	Dtw = 59.70
1500	72.8	7.0	1065	18	40	Dtw = 59.80
1502	73.0	7.0	1048	7	50	

Did Well Dewater? NO	If yes, note above.	Gallons Actually Evacuated:	50

WELL DEVELOPMENT DATA SHEET

Project #: 060911-341	Client: Arcadis
Developer: ST	Date Developed: 9/14/06
Well I.D. MW-4	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 78.15 After 81.45	Depth to Water: Before 54.32 After 78.50
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
$\{12 \times (d^2/4) \times \pi\} / 231$
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

_____	X	_____	=	_____
1 Case Volume		Specified Volumes		gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1520	— Surged well for 10 min					
1535	— Begin purge w/ PAD pump					Agaitated well w/ PAD pump
1556	71.9	8.6	8600	>1000	10	Dtw = 64.06 Hard Bottom
1605	— purge stopped to clear pump					
1620	— purge resumed					
1641	71.1	6.9	7956	>1000	20	Dtw = 70.90
1712	71.0	6.9	8022	437	28	DTW = 75.50
1716	70.9	6.9	7948	305	30	Dtw = 77.10
1719	70.9	6.9	8014	290	33	Dtw = 78.20
— well dewatered @ 33 gal						
1730	purge resumed					
1733	70.6	7.0	8380	145	34	
1736	70.7	7.1	8467	159	35	Dtw = 78.10
Did Well Dewater? Yes	If yes, note above.			Gallons Actually Evacuated:		37

WELL DEVELOPMENT DATA SHEET

Well I.D. MW-4	PAGE 2 OF 2
Project #: 060911-941	Client: Arcadis

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
1739	70.6	7.1	8362	102	36	
1742	70.7	7.2	8263	102	37	

WELL DEVELOPMENT DATA SHEET

Project #: 060911-871	Client: Arcadis
Developer: QA	Date Developed: 9/15/06
Well I.D. mw-6S	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 67.85 After 70.14	Depth to Water: Before 56.10 After 64.50
Reason not developed:	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):
$\{12 \times (d^2/4) \times \pi\} / 231$
where
12 = in / foot
d = diameter (in.)
π = 3.1416
231 = in 3/gal

Well dia.		VCF
2"	=	0.16
3"	=	0.37
4"	=	0.65
6"	=	1.47
10"	=	4.08
12"	=	6.87

1 Case Volume	X	Specified Volumes	=	gallons

Purging Device:
- ☐ Bailer
- ☐ Suction Pump
- ☐ Electric Submersible
- ☒ Positive Air Displacement

Type of Installed Pump _____
Other equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
0820	— Surged well for 10 min —					
0835	— Begin purge w/PAD pump —					water is Black
0911	70.1	7.6	7788	>1000	10	DTW = 58.30
0925	71.9	7.2	9067	462	20	DTW = 61.05
0951	73.10	7.2	8763	259	30	DTW = 60.85 Hard Bottom
1010	75.2	7.2	8254	307	40	
1030	75.1	7.1	7757	175	50	DTW = 61.05
1100	73.1	7.1	7346	26	65	
—	Switch to ES pump —					
1108	79.1	7.1	6927	68	70	
1110	77.7	7.2	7212	28	75	

Did Well Dewater? Yes	If yes, note above.	Gallons Actually Evacuated:	75

ARCADIS

Groundwater/Floating Product Gauging Log

Project Name: South Gate
Project Number: 677 03.01
Field Personnel: H. Teets / J. ESTRADA

Date: 12/6/06
Day of Week: Wed.
Page 1 of 1

ALL SPACES MUST BE FILLED IN

Well ID	Well Diameter (inches)	Surface Seal (yes/no)	Lid Secure (yes/no)	Gasket (yes/no)	Lock (yes/no)	Expanding Cap (yes/no)	Total Depth of Well (feet bgs)	Depth to Floating Product (feet bgs)	First Depth to Water (feet bgs)	Second Depth to Water (feet bgs)	Floating Product Thickness (feet)	Comments
MW-8	4	Y	Y	N	N	PVC cover	—	—	56.60	56.60	—	
MW-5D	4	Y	Y	Y	N	Y	—	—	55.50	55.50	—	TOC cracked well gauged on highest point of casing
MW-12	4	Y	Y	Y	N	Y	—	—	58.13	58.13	—	
MW-9	4	Y	Y	N	N	PVC COVER	—	—	56.86	56.86	—	
MW-6D	4	Y	Y	N	N	PVC COVER	—	—	56.43	56.43	—	
MW-11	4	Y	N	N	N	Y	—	—	51.33	51.33	—	Expanding cap prevents lid from lying flush
MW-10	4	Y	Y	N	N	Y	—	—	57.39	57.39	—	
MW-4	4	Y	Y	N	N	Y	—	—	55.70	55.70	—	
MW-3												TRAIN WHEEL CARRIAGE OVER WELL
MW-1	4	Y	Y	N	N	PVC SCREW PLUG	—	—	56.49	56.49	—	
MW-5S	4	N	N	N	N	Y	—	—	54.93	54.93	—	PVC cut off 6" BGS
MW-2	4	~~N~~ Y	Y	N	~~N~~	Y	—	—	55.65	55.65	—	
MW-7S	4	Y	Y	Y	N	PVC COVER	—	—	57.27	57.27	—	
MW-7D	4	Y	Y	Y	N	PVC COVER	—	—	57.50	57.50	—	
MW-6S	4	Y	Y	N	N	Y	—	—	56.24	56.24	—	

NOTES:

ARCADIS GERAGHTY & MILLER

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5/19/2006

ARCADIS

Low Flow Groundwater Sampling Form

Project Name South Gate
Project Numbe 677.03.01
Field Personnel J.Estrada

WELL ID# MW-8
Date 12/6/06

Screened Interval 86-96

Casing Type: PVC St. Steel Other

Pumping inlet depth 91

Diameter (inches) 4

Static Water Level 56.5

Volumes Purged 40L

Time	Minutes Elapsed	DTW	Rate (gpm)(ML)	Volume Purged	pH	Cond. (mS/cm) (umhos/cm)	ORP (mV)	DO (%)	DO (mg/l)	TEMP. (°F / °C)	REMARKS
1115	0	56.69	250	1000	7.30	0.106	-83		1.68	22.4	
1118	3	56.70	250	1750	7.32	0.106	-87		1.63	22.5	
1121	6	56.70	250	2500	7.33	0.106	-85		1.54	22.5	
1124	9	56.71	250	3250	7.34	0.105	-88		1.60	22.6	
1127	12	56.71	250	4000	7.34	0.105	-89		1.54	22.6	

PURGING EQUIPMENT	
	2" BLADDER PUMP
	CENTRIFUGAL PUMP
✓	SUBMERSIBLE PUMP
	PERISTALTIC PUMP
	DEDICATED PUMP
	OTHER (SPECIFY)

SAMPLING EQUIPMENT	
✓	PUMP
	TEFLON BAILER
	SS BAILER
	DISPOS. BAILER
	DDL SAMPLER
	OTHER (SPECIFY):

FIELD TEST KITS		
Test	Concentration (mg/L)	Time
DO		
FE^{2+}		
H_2S		

REMARKS/COMMENTS 1128 (6)

COMPLETED BY J.Estrada

SIGNATURE

REVIEWED BY

DATE 1-8-07

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ARCADIS

Low Flow Groundwater Sampling Form

Project Name South Gate
Project Numbe 677.03.01
Field Personnel J.Estrada

WELL ID# MW-5d
Date 12/6/06

Screened Interval 83-93

Casing Type: (PVC) St. Steel Other

Pumping inlet depth 88

Diameter (inches) 4

Static Water Level 55.30

Volumes Purged 4.02

Time	Minutes Elapsed	DTW	Rate (gpm)(ML)	Volume Purged	pH	Cond. (mS/cm) (umhos/cm)	ORP (mV)	DO (%)	DO (mg/l)	TEMP. (°F / °C)	REMARKS
1249	0	56.70	250	1000	7.66	0.102	-158		8.10	24.2	
12 52	3	56.85	250	1750	7.59	0.103	-160		7.66	23.9	
12 55	6	57.10	250	2500	7.55	0.104	-161		7.37	24.1	
12 58	9	57.19	250	3250	7.53	0.104	-161		7.19	24.4	
13 01	12	57.20	250	4000	7.52	0.104	-162		6.99	24.7	

PURGING EQUIPMENT	
	2" BLADDER PUMP
	CENTRIFUGAL PUMP
✓	SUBMERSIBLE PUMP
	PERISTALTIC PUMP
	DEDICATED PUMP
	OTHER (SPECIFY)

SAMPLING EQUIPMENT	
✓	PUMP
	TEFLON BAILER
	SS BAILER
	DISPOS. BAILER
	DDL SAMPLER
	OTHER (SPECIFY):

FIELD TEST KITS		
Test	Concentration (mg/L)	Time
DO		
FE^{2+}		
H_2S		

REMARKS/COMMENTS 1302 (6)

COMPLETED BY J.Estrada

SIGNATURE

REVIEWED BY

DATE 1-8-07

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ARCADIS

Low Flow Groundwater Sampling Form

Project Name_ South Gate
Project Numbe 677.03.01
Field Personnel J.Estrada

WELL ID# MW-12
Date 12/6/06

Screened Interval 40 - 75

Casing Type: (PVC) St. Steel Other

Pumping inlet depth 67

Diameter (inches) 4

Static Water Level 58.0

Volumes Purged 4.0 L

Time	Minutes Elapsed	DTW	Rate (gpm)(ML)	Volume Purged	pH	Cond. (mS/cm) (umhos/cm)	ORP (mV)	DO (%)	DO (mg/l)	TEMP. (°F / °C)	REMARKS
1355	0	58.19	250	1000	7.36	0.289	-116		1.90	23.6	
1358	3	58.19	250	1750	7.31	0.293	-113		1.49	23.3	
1401	6	58.20	250	2500	7.29	0.294	-109		1.23	23.1	
1404	9	58.20	250	3250	7.28	0.294	-109		1.11	23.0	
1407	12	58.21	250	4000	7.27	0.295	-109		1.07	23.0	

PURGING EQUIPMENT	
	2" BLADDER PUMP
	CENTRIFUGAL PUMP
✓	SUBMERSIBLE PUMP
	PERISTALTIC PUMP
	DEDICATED PUMP
	OTHER (SPECIFY)

SAMPLING EQUIPMENT	
✓	PUMP
	TEFLON BAILER
	SS BAILER
	DISPOS. BAILER
	DDL SAMPLER
	OTHER (SPECIFY):

FIELD TEST KITS		
Test	Concentration (mg/L)	Time
DO		
FE^{2+}		
H_2S		

REMARKS/COMMENTS 1408 (6) 1409 (6) Dup

COMPLETED BY J.Estrada

SIGNATURE

REVIEWED BY

DATE 1-8-07

g:\common\FORMS\PURGE LOG - LOWFLOW

52-97

ARCADIS

Low Flow Groundwater Sampling Form

Project Name_ South Gate_

Project Numbe 677.03.01

Field Personnel_ J.Estrada

WELL ID# MW-9

Date 12/6/06

Screened Interval 52-97

Casing Type: PVC St. Steel Other _____

Pumping inlet depth 77

Diameter (inches) 4

Static Water Level 56.75

Volumes Purged 4.0 L

Time	Minutes Elapsed	DTW	Rate (gpm)(ML)	Volume Purged	pH	Cond. (mS/cm) (umhos/cm)	ORP (mV)	DO (%)	DO (mg/l)	TEMP. (°F / °C)	REMARKS
1513	0	56.91	250	1000	7.42	0.275	-76		7.63	24.1	
1516	3	56.91	250	1750	7.38	0.273	-89		7.22	23.6	
1519	6	56.91	250	2500	7.38	0.273	-97		6.94	23.6	
1522	9	56.92	250	3250	7.40	0.273	-102		6.66	23.6	
1525	12	56.93	250	4000	7.43	0.273	-101		6.25	23.9	

PURGING EQUIPMENT	
	2" BLADDER PUMP
	CENTRIFUGAL PUMP
✓	SUBMERSIBLE PUMP
	PERISTALTIC PUMP
	DEDICATED PUMP
	OTHER (SPECIFY)

SAMPLING EQUIPMENT	
✓	PUMP
	TEFLON BAILER
	SS BAILER
	DISPOS. BAILER
	DDL SAMPLER
	OTHER (SPECIFY):

FIELD TEST KITS		
Test	Concentration (mg/L)	Time
DO		
FE^{2+}		
H_2S		

REMARKS/COMMENTS 1526 (3)

COMPLETED BY J.Estrada

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DATE 1-8-07

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ARCADIS

Low Flow Groundwater Sampling Form

Project Name_ South Gate
Project Numbe 677.03.01
Field Personnel J.Estrada

WELL ID# MW-7S
Date 12/8/06

Screened Interval 53-73

Casing Type: PVC St. Steel Other

Pumping inlet depth 70 (3FT)

Diameter (inches) 4

Static Water Level 57.20

Volumes Purged 4.0 L

Time	Minutes Elapsed	DTW	Rate (gpm)(ML)	Volume Purged	pH	Cond. (mS/cm) (umhos/cm)	ORP (mV)	DO (%)	DO (mg/l)	TEMP. (°F / °C)	REMARKS
0719	0	57.65	250	1000	7.29	0.539	40		1.76	17.4	
07 22	3	57.77	250	1750	7.35	0.528	18		1.64	19.8	
07 25	6	57.81	250	2500	7.38	0.531	13		1.68	20.6	
07 28	9	57.82	250	3250	7.39	0.531	12		1.72	21.6	
07 31	12	57.82	250	4000	7.40	0.528	-13		1.70	22.5	

PURGING EQUIPMENT	
	2" BLADDER PUMP
	CENTRIFUGAL PUMP
✓	SUBMERSIBLE PUMP
	PERISTALTIC PUMP
	DEDICATED PUMP
	OTHER (SPECIFY)

SAMPLING EQUIPMENT	
✓	PUMP
	TEFLON BAILER
	SS BAILER
	DISPOS. BAILER
	DDL SAMPLER
	OTHER (SPECIFY):

FIELD TEST KITS		
Test	Concentration (mg/L)	Time
DO		
FE^{2+}		
H_2S		

REMARKS/COMMENTS 0732 (6) 0733 (6) Dup

COMPLETED BY J.Estrada

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DATE 1-8-07

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ARCADIS

Low Flow Groundwater Sampling Form

Project Name South Gate

Project Numbe 677.03.01

Field Personnel J.Estrada

WELL ID# MW-7d

Date 12/8/06

Screened Interval 86-96

Casing Type: PVC St. Steel Other

Pumping inlet depth 91 (5ft)

Diameter (inches) 4

Static Water Level 57.37

Volumes Purged

Time	Minutes Elapsed	DTW	Rate (gpm)(ML)	Volume Purged	pH	Cond. (mS/cm) (umhos/cm)	ORP (mV)	DO (%)	DO (mg/l)	TEMP. (°F / °C)	REMARKS
0820	0	57.44	250	1000	6.96	0.495	-69		1.54	19.2	
0823	3	57.44	250	1750	7.01	0.502	-64		1.55	19.6	
0826	6	57.44	250	2500	7.02	0.501	-61		1.58	20.0	
0829	9	57.45	250	3250	7.03	0.502	-55		1.62	20.2	
0832	12	57.45	250	4000	7.04	0.501	-55		1.62	20.5	

PURGING EQUIPMENT	
	2" BLADDER PUMP
	CENTRIFUGAL PUMP
✓	SUBMERSIBLE PUMP
	PERISTALTIC PUMP
	DEDICATED PUMP
	OTHER (SPECIFY)

SAMPLING EQUIPMENT	
✓	PUMP
	TEFLON BAILER
	SS BAILER
	DISPOS. BAILER
	DDL SAMPLER
	OTHER (SPECIFY):

FIELD TEST KITS		
Test	Concentration (mg/L)	Time
DO		
FE^{2+}		
H_2S		

REMARKS/COMMENTS 0833 (6)

COMPLETED BY J.Estrada

SIGNATURE

REVIEWED BY

DATE 1-8-07

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ARCADIS

Low Flow Groundwater Sampling Form

Project Name South Gate
Project Numbe 677.03.01
Field Personnel J.Estrada

WELL ID# MW-63
Date 12/8/06

Screened Interval 51-71

Casing Type: PVC St. Steel Other

Pumping inlet depth 65 (?) (8FT)

Diameter (inches) 4

Static Water Level 56.30

Volumes Purged 4.75 L

Time	Minutes Elapsed	DTW	Rate (gpm)(ML)	Volume Purged	pH	Cond. (mS/cm) (umhos/cm)	ORP (mV)	DO (%)	DO (mg/l)	TEMP. (°F / °C)	REMARKS
0931	0	56.75	250	1000	7.07	1.18	-13		0.89	21.9	
0934	3	56.85	250	1750	7.06	1.15	-2		0.86	23.6	
0937	6	57.00	250	2500	7.08	1.21	-17		0.88	24.6	
0940	9	57.14	250	3250	7.09	1.23	-33		0.89	26.2	
0943	12	57.25	250	4000	7.10	1.25	-43		0.91	27.0	
0946	15	57.39	250	4750	7.10	1.27	-45		0.94	27.3	

PURGING EQUIPMENT	
	2" BLADDER PUMP
	CENTRIFUGAL PUMP
✓	SUBMERSIBLE PUMP
	PERISTALTIC PUMP
	DEDICATED PUMP
	OTHER (SPECIFY)

SAMPLING EQUIPMENT	
✓	PUMP
	TEFLON BAILER
	SS BAILER
	DISPOS. BAILER
	DDL SAMPLER
	OTHER (SPECIFY):

FIELD TEST KITS		
Test	Concentration (mg/L)	Time
DO		
FE^{2+}		
H_2S		

REMARKS/COMMENTS 0947 (6)

COMPLETED BY J.Estrada

SIGNATURE

REVIEWED BY

DATE 1-8-07

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ARCADIS

Low Flow Groundwater Sampling Form

Project Name_ South Gate
Project Numbe 677.03.01
Field Personnel J.Estrada

WELL ID# MW-6d
Date 12/7/06

Screened Interval 82-92

Casing Type: PVC St. Steel Other

Pumping inlet depth 87

Diameter (inches) 4

Static Water Level 56.36

Volumes Purged 4.0 L

Time	Minutes Elapsed	DTW	Rate (gpm)(ML)	Volume Purged	pH	Cond. (mS/cm) (umhos/cm)	ORP (mV)	DO (%)	DO (mg/l)	TEMP. (°F / °C)	REMARKS
0752	0	56.43	250	1000	7.60	0.115	-95		2.89	20.5	
0755	3	56.44	250	1750	7.37	0.116	-92		3.05	20.9	
0758	6	56.44	250	2500	7.32	0.115	-94		2.88	21.8	
0801	9	56.45	250	3250	7.30	0.114	-94		2.73	22.1	
0804	12	56.45	250	4000	7.29	0.113	-95		2.67	22.2	

PURGING EQUIPMENT	
	2" BLADDER PUMP
	CENTRIFUGAL PUMP
✓	SUBMERSIBLE PUMP
	PERISTALTIC PUMP
	DEDICATED PUMP
	OTHER (SPECIFY)

SAMPLING EQUIPMENT	
✓	PUMP
	TEFLON BAILER
	SS BAILER
	DISPOS. BAILER
	DDL SAMPLER
	OTHER (SPECIFY):

FIELD TEST KITS		
Test	Concentration (mg/L)	Time
DO		
FE^{2+}		
H_2S		

REMARKS/COMMENTS 0805 (6)

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DATE 1-8-07

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ARCADIS

Low Flow Groundwater Sampling Form

Project Name South Gate
Project Numbe 677.03.01
Field Personnel J.Estrada

WELL ID# MW-11
Date 12/7/06

Screened Interval 50-95

Casing Type: PVC St. Steel Other

Pumping inlet depth 73 (22.5 FT)

Diameter (inches) 4

Static Water Level 51.6

Volumes Purged 4.0 L

Time	Minutes Elapsed	DTW	Rate (gpm)(ML)	Volume Purged	pH	Cond. (mS/cm) (umhos/cm)	ORP (mV)	DO (%)	DO (mg/l)	TEMP. (°F / °C)	REMARKS
0904	0	52.60	250	1000	7.11	0.847	154		3.82	17.3	
09 07	3	52.79	250	1750	7.09	0.838	156		3.17	17.7	
09 10	6	52.97	250	2500	7.07	0.837	158		2.98	18.0	
09 13	9	53.17	250	3250	7.07	0.842	158		2.88	18.3	
09 16	12	53.35	250	4000	7.07	0.840	155		2.72	18.8	

PURGING EQUIPMENT	
	2" BLADDER PUMP
	CENTRIFUGAL PUMP
✓	SUBMERSIBLE PUMP
	PERISTALTIC PUMP
	DEDICATED PUMP
	OTHER (SPECIFY)

SAMPLING EQUIPMENT	
✓	PUMP
	TEFLON BAILER
	SS BAILER
	DISPOS. BAILER
	DDL SAMPLER
	OTHER (SPECIFY):

FIELD TEST KITS		
Test	Concentration (mg/L)	Time
DO		
FE^{2+}		
H_2S		

REMARKS/COMMENTS 0917 (6)

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DATE 1-8-07

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ARCADIS

Low Flow Groundwater Sampling Form

Project Name South Gate
Project Numbe 677.03.01
Field Personnel J.Estrada

WELL ID# MW-10
Date 12/7/06

Screened Interval 52-97

Casing Type: (PVC) St. Steel Other

Pumping inlet depth 77 (20ft)

Diameter (inches) 4

Static Water Level 57.42

Volumes Purged

Time	Minutes Elapsed	DTW	Rate (gpm)(ML)	Volume Purged	pH	Cond. (mS/cm) (umhos/cm)	ORP (mV)	DO (%)	DO (mg/l)	TEMP. (°F / °C)	REMARKS
1017	0	57.45	250	1000	7.29	0.307	-52		200	18.9	
1020	3	57.50	250	1750	7.29	0.305	-50		172	20.0	
1023	6	57.50	250	2500	7.28	0.307	-50		1.51	20.1	
1026	9	57.50	250	3250	7.27	0.306	-51		1.39	20.5	
1029	12	57.50	250	4000	7.27	0.305	-52		1.32	21.1	

PURGING EQUIPMENT	
	2" BLADDER PUMP
	CENTRIFUGAL PUMP
✓	SUBMERSIBLE PUMP
	PERISTALTIC PUMP
	DEDICATED PUMP
	OTHER (SPECIFY)

SAMPLING EQUIPMENT	
✓	PUMP
	TEFLON BAILER
	SS BAILER
	DISPOS. BAILER
	DDL SAMPLER
	OTHER (SPECIFY):

FIELD TEST KITS		
Test	Concentration (mg/L)	Time
DO		
FE^{2+}		
H_2S		

REMARKS/COMMENTS 1030 (6)

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DATE 1-8-07

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ARCADIS

Low Flow Groundwater Sampling Form

Project Name South Gate
Project Numbe 677.03.01
Field Personnel J.Estrada

WELL ID# MW-1
Date 12/7/06

Screened Interval 65-75

Casing Type: (PVC) St. Steel Other

Pumping inlet depth 70

Diameter (inches) 4

Static Water Level 56.39

Volumes Purged 4.0 L

Time	Minutes Elapsed	DTW	Rate (gpm)(ML)	Volume Purged	pH	Cond. (mS/cm) (umhos/cm)	ORP (mV)	DO (%)	DO (mg/l)	TEMP. (°F / °C)	REMARKS
1123	0	56.42	250	1000	7.03	0.718	-88		1.60	23.0	
1126	3	56.45	250	1750	7.07	0.760	-95		1.56	23.4	
1129	6	56.45	250	2500	7.09	0.761	-94		1.50	23.6	
1132	9	56.45	250	3250	7.09	0.768	-93		1.46	23.8	
1135	12	54.45	250	4000	7.09	0.768	-91		1.43	24.1	

PURGING EQUIPMENT	
	2" BLADDER PUMP
	CENTRIFUGAL PUMP
✓	SUBMERSIBLE PUMP
	PERISTALTIC PUMP
	DEDICATED PUMP
	OTHER (SPECIFY)

SAMPLING EQUIPMENT	
✓	PUMP
	TEFLON BAILER
	SS BAILER
	DISPOS. BAILER
	DDL SAMPLER
	OTHER (SPECIFY):

FIELD TEST KITS		
Test	Concentration (mg/L)	Time
DO		
FE^{2+}		
H_2S		

REMARKS/COMMENTS 1136 (6)

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ARCADIS

Low Flow Groundwater Sampling Form

Project Name South Gate
Project Numbe 677.03.01
Field Personnel J.Estrada

WELL ID# MW-5s
Date 12/7/06

Screened Interval 51-71

Casing Type: PVC St. Steel Other

Pumping inlet depth 63 (8FT)

Diameter (inches) 4

Static Water Level 54.83

Volumes Purged 4.0L

Time	Minutes Elapsed	DTW	Rate (gpm)(ML)	Volume Purged	pH	Cond. (mS/cm) (umhos/cm)	ORP (mV)	DO (%)	DO (mg/l)	TEMP. (°F / °C)	REMARKS
1309	0	55.12	250	1000	7.29	0.184	44		3.71	24.3	
1312	3	55.20	250	1750	7.27	0.185	24		3.48	23.3	
1315	6	55.23	250	2500	7.27	0.187	27		3.28	23.5	
1318	9	55.25	250	3250	7.26	0.187	38		3.25	24.1	
1321	12	55.27	250	4000	7.25	0.186	44		3.14	24.5	

PURGING EQUIPMENT	
	2" BLADDER PUMP
	CENTRIFUGAL PUMP
✓	SUBMERSIBLE PUMP
	PERISTALTIC PUMP
	DEDICATED PUMP
	OTHER (SPECIFY)

SAMPLING EQUIPMENT	
✓	PUMP
	TEFLON BAILER
	SS BAILER
	DISPOS. BAILER
	DDL SAMPLER
	OTHER (SPECIFY):

FIELD TEST KITS		
Test	Concentration (mg/L)	Time
DO		
FE^{2+}		
H_2S		

REMARKS/COMMENTS 1322 (6)

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ARCADIS

Low Flow Groundwater Sampling Form

Project Name_ South Gate_
Project Numbe 677.03.01
Field Personnel J.Estrada

WELL ID# MW-2
Date 12/7/06

Screened Interval 50-85

Casing Type: PVC St. Steel Other _____

Pumping inlet depth 70 (15 FT)

Diameter (inches) _____

Static Water Level 55.63

Volumes Purged _____

Time	Minutes Elapsed	DTW	Rate (gpm)(ML)	Volume Purged	pH	Cond. (mS/cm) (umhos/cm)	ORP (mV)	DO (%)	DO (mg/l)	TEMP. (°F / °C)	REMARKS
1427	0	56.05	250	1000	7.09	0.616	-127		1.24	24.5	
1430	3	56.20	250	1750	7.07	0.618	-127		1.05	24.2	
1433	6	56.25	250	2500	7.06	0.620	-127		1.00	24.4	
1436	9	56.26	250	3250	7.06	0.622	-127		0.94	25.0	
1439	12	56.30	250	4000	7.06	0.621	-127		0.92	25.3	

PURGING EQUIPMENT	
	2" BLADDER PUMP
	CENTRIFUGAL PUMP
✓	SUBMERSIBLE PUMP
	PERISTALTIC PUMP
	DEDICATED PUMP
	OTHER (SPECIFY)

SAMPLING EQUIPMENT	
✓	PUMP
	TEFLON BAILER
	SS BAILER
	DISPOS. BAILER
	DDL SAMPLER
	OTHER (SPECIFY):

FIELD TEST KITS		
Test	Concentration (mg/L)	Time
DO		
FE^{2+}		
H_2S		

REMARKS/COMMENTS 1440 (6)

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DATE 1-8-07

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ARCADIS

Low Flow Groundwater Sampling Form

Project Name South Gate
Project Numbe 677.03.01
Field Personnel J.Estrada

WELL ID# MW-4
Date 12/7/06

Screened Interval 53-73

Casing Type: PVC St. Steel Other

Pumping inlet depth 65 (9 Ft)

Diameter (inches) 4

Static Water Level 55.85

Volumes Purged 4.0 L

Time	Minutes Elapsed	DTW	Rate (gpm)(ML)	Volume Purged	pH	Cond. (mS/cm) (umhos/cm)	ORP (mV)	DO (%)	DO (mg/l)	TEMP. (°F / °C)	REMARKS
1533	0	56.63	250	1000	6.93	0.927	-80		1.11	23.0	
15 36	3	56.88	250	1750	6.91	0.926	-74		1.00	22.9	
15 39	6	57.12	250	2500	6.90	0.925	-75		0.89	23.0	
15 42	9	57.30	250	3250	6.90	0.923	-77		0.84	23.2	
15 45	12	57.51	250	4000	6.89	0.924	-62		0.84	23.4	

PURGING EQUIPMENT	
	2" BLADDER PUMP
	CENTRIFUGAL PUMP
✓	SUBMERSIBLE PUMP
	PERISTALTIC PUMP
	DEDICATED PUMP
	OTHER (SPECIFY)

SAMPLING EQUIPMENT	
✓	PUMP
	TEFLON BAILER
	SS BAILER
	DISPOS. BAILER
	DDL SAMPLER
	OTHER (SPECIFY):

FIELD TEST KITS		
Test	Concentration (mg/L)	Time
DO		
FE^{2+}		
H_2S		

REMARKS/COMMENTS 1546 (6)

COMPLETED BY J.Estrada

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DATE 1-8-07

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ARCADIS

Appendix B

Laboratory Analytical Results and Chain-of-Custody Documentation

Calscience Environmental Laboratories, Inc.

December 20, 2006

Greg Fiol
ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Subject: **Calscience Work Order No.: 06-12-0380**
Client Reference: Brenntag South Gate / 677.03.01

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/6/2006 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Virendra R Patel

Calscience Environmental
Laboratories, Inc.
Virendra Patel
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/06/06
Work Order No: 06-12-0380
Preparation: EPA 3010A Total / EPA 7470A Total
Method: EPA 6010B / EPA 7470A
Units: mg/L

Project: Brenntag South Gate / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-8	**06-12-0380-1**	**12/06/06**	**Aqueous**	**12/07/06**	**12/08/06**	**061207L06**

Comment(s): -Mercury was analyzed on 12/7/2006 3:41:23 PM with batch 061207L02A

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Mercury	ND	0.000500	1	
Arsenic	0.185	0.010	1		Molybdenum	0.0433	0.0050	1	
Barium	0.0946	0.0100	1		Nickel	ND	0.00500	1	
Beryllium	ND	0.00100	1		Selenium	ND	0.0150	1	
Cadmium	ND	0.00500	1		Silver	ND	0.00500	1	
Chromium	0.00671	0.00500	1		Thallium	ND	0.0150	1	
Cobalt	ND	0.00500	1		Vanadium	ND	0.00500	1	
Copper	0.0113	0.0050	1		Zinc	0.0581	0.0100	1	
Lead	ND	0.0100	1						

EB12/6/06	**06-12-0380-2**	**12/06/06**	**Aqueous**	**12/07/06**	**12/08/06**	**061207L06**

Comment(s): -Mercury was analyzed on 12/7/2006 3:43:37 PM with batch 061207L02A

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Mercury	ND	0.000500	1	
Arsenic	ND	0.0100	1		Molybdenum	ND	0.00500	1	
Barium	ND	0.0100	1		Nickel	ND	0.00500	1	
Beryllium	ND	0.00100	1		Selenium	ND	0.0150	1	
Cadmium	ND	0.00500	1		Silver	ND	0.00500	1	
Chromium	ND	0.00500	1		Thallium	ND	0.0150	1	
Cobalt	ND	0.00500	1		Vanadium	ND	0.00500	1	
Copper	ND	0.00500	1		Zinc	0.0217	0.0100	1	
Lead	ND	0.0100	1						

MW-5d	**06-12-0380-3**	**12/06/06**	**Aqueous**	**12/07/06**	**12/08/06**	**061207L06**

Comment(s): -Mercury was analyzed on 12/7/2006 3:45:47 PM with batch 061207L02A

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Mercury	ND	0.000500	1	
Arsenic	ND	0.0100	1		Molybdenum	0.0705	0.0050	1	
Barium	0.0843	0.0100	1		Nickel	ND	0.00500	1	
Beryllium	ND	0.00100	1		Selenium	ND	0.0150	1	
Cadmium	ND	0.00500	1		Silver	ND	0.00500	1	
Chromium	ND	0.00500	1		Thallium	ND	0.0150	1	
Cobalt	ND	0.00500	1		Vanadium	ND	0.00500	1	
Copper	ND	0.00500	1		Zinc	0.0209	0.0100	1	
Lead	ND	0.0100	1						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/06/06
Work Order No: 06-12-0380
Preparation: EPA 3010A Total / EPA 7470A Total
Method: EPA 6010B / EPA 7470A
Units: mg/L

Project: Brenntag South Gate / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-12	**06-12-0380-4**	**12/06/06**	**Aqueous**	**12/07/06**	**12/08/06**	**061207L06**

Comment(s): -Mercury was analyzed on 12/7/2006 3:47:57 PM with batch 061207L02A

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Mercury	ND	0.000500	1	
Arsenic	ND	0.0100	1		Molybdenum	0.0719	0.0050	1	
Barium	0.0871	0.0100	1		Nickel	0.0464	0.0050	1	
Beryllium	ND	0.00100	1		Selenium	ND	0.0150	1	
Cadmium	ND	0.00500	1		Silver	ND	0.00500	1	
Chromium	0.00859	0.00500	1		Thallium	ND	0.0150	1	
Cobalt	ND	0.00500	1		Vanadium	ND	0.00500	1	
Copper	ND	0.00500	1		Zinc	0.0343	0.0100	1	
Lead	ND	0.0100	1						

MW-12 DUP	**06-12-0380-5**	**12/06/06**	**Aqueous**	**12/07/06**	**12/08/06**	**061207L06**

Comment(s): -Mercury was analyzed on 12/7/2006 3:50:08 PM with batch 061207L02A

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Mercury	ND	0.000500	1	
Arsenic	0.0118	0.0100	1		Molybdenum	0.0670	0.0050	1	
Barium	0.200	0.010	1		Nickel	0.0603	0.0050	1	
Beryllium	ND	0.00100	1		Selenium	ND	0.0150	1	
Cadmium	ND	0.00500	1		Silver	ND	0.00500	1	
Chromium	0.0318	0.0050	1		Thallium	ND	0.0150	1	
Cobalt	0.00827	0.00500	1		Vanadium	0.0233	0.0050	1	
Copper	0.0308	0.0050	1		Zinc	0.0531	0.0100	1	
Lead	ND	0.0100	1						

MW-9	**06-12-0380-6**	**12/06/06**	**Aqueous**	**12/07/06**	**12/08/06**	**061207L06**

Comment(s): -Mercury was analyzed on 12/7/2006 3:52:20 PM with batch 061207L02A

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Mercury	ND	0.000500	1	
Arsenic	ND	0.0100	1		Molybdenum	0.0446	0.0050	1	
Barium	0.0311	0.0100	1		Nickel	0.0790	0.0050	1	
Beryllium	ND	0.00100	1		Selenium	ND	0.0150	1	
Cadmium	ND	0.00500	1		Silver	ND	0.00500	1	
Chromium	0.00575	0.00500	1		Thallium	ND	0.0150	1	
Cobalt	ND	0.00500	1		Vanadium	0.0141	0.0050	1	
Copper	0.0408	0.0050	1		Zinc	0.0289	0.0100	1	
Lead	ND	0.0100	1						

Method Blank	**099-04-008-2,759**	**N/A**	**Aqueous**	**12/07/06**	**12/07/06**	**061207L02A**

Parameter	Result	RL	DF	Qual
Mercury	ND	0.000500	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/06/06
Work Order No: 06-12-0380
Preparation: EPA 3010A Total / EPA 7470A Total
Method: EPA 6010B / EPA 7470A
Units: mg/L

Project: Brenntag South Gate / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**097-01-003-6,702**	**N/A**	**Aqueous**	**12/07/06**	**12/08/06**	**061207L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Lead	ND	0.0100	1	
Arsenic	ND	0.0100	1		Molybdenum	ND	0.00500	1	
Barium	ND	0.0100	1		Nickel	ND	0.00500	1	
Beryllium	ND	0.00100	1		Selenium	ND	0.0150	1	
Cadmium	ND	0.00500	1		Silver	ND	0.00500	1	
Chromium	ND	0.00500	1		Thallium	ND	0.0150	1	
Cobalt	ND	0.00500	1		Vanadium	ND	0.00500	1	
Copper	ND	0.00500	1		Zinc	ND	0.0100	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/06/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0380
Fullerton, CA 92835-4127		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L

Project: Brenntag South Gate / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-8	**06-12-0380-1**	**12/06/06**	**Aqueous**	**12/07/06**	**12/08/06**	**061207B05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C19-C20	160		1	
C8	ND		1		C21-C22	390		1	
C9-C10	ND		1		C23-C24	790		1	
C11-C12	ND		1		C25-C28	2100		1	
C13-C14	ND		1		C29-C32	1400		1	
C15-C16	13		1		C33-C36	470		1	
C17-C18	80		1		C7-C36 Total	5400	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	98	68-140	

EB12/6/06	**06-12-0380-2**	**12/06/06**	**Aqueous**	**12/07/06**	**12/08/06**	**061207B05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C19-C20	ND		1	
C8	ND		1		C21-C22	ND		1	
C9-C10	ND		1		C23-C24	ND		1	
C11-C12	ND		1		C25-C28	ND		1	
C13-C14	ND		1		C29-C32	ND		1	
C15-C16	ND		1		C33-C36	ND		1	
C17-C18	ND		1		C7-C36 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	83	68-140	

MW-5d	**06-12-0380-3**	**12/06/06**	**Aqueous**	**12/07/06**	**12/08/06**	**061207B05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C19-C20	3.5		1	
C8	ND		1		C21-C22	ND		1	
C9-C10	ND		1		C23-C24	ND		1	
C11-C12	ND		1		C25-C28	ND		1	
C13-C14	ND		1		C29-C32	ND		1	
C15-C16	ND		1		C33-C36	ND		1	
C17-C18	83		1		C7-C36 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	92	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/06/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0380
Fullerton, CA 92835-4127		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L

Project: Brenntag South Gate / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-12	**06-12-0380-4**	**12/06/06**	**Aqueous**	**12/07/06**	**12/08/06**	**061207B05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C19-C20	ND		1	
C8	ND		1		C21-C22	ND		1	
C9-C10	ND		1		C23-C24	ND		1	
C11-C12	ND		1		C25-C28	ND		1	
C13-C14	ND		1		C29-C32	ND		1	
C15-C16	ND		1		C33-C36	ND		1	
C17-C18	ND		1		C7-C36 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	82	68-140	

MW-12 DUP	**06-12-0380-5**	**12/06/06**	**Aqueous**	**12/07/06**	**12/08/06**	**061207B05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C19-C20	ND		1	
C8	ND		1		C21-C22	ND		1	
C9-C10	ND		1		C23-C24	ND		1	
C11-C12	ND		1		C25-C28	ND		1	
C13-C14	ND		1		C29-C32	ND		1	
C15-C16	ND		1		C33-C36	ND		1	
C17-C18	ND		1		C7-C36 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	84	68-140	

MW-9	**06-12-0380-6**	**12/06/06**	**Aqueous**	**12/07/06**	**12/08/06**	**061207B05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C19-C20	ND		1	
C8	ND		1		C21-C22	ND		1	
C9-C10	ND		1		C23-C24	ND		1	
C11-C12	ND		1		C25-C28	ND		1	
C13-C14	ND		1		C29-C32	ND		1	
C15-C16	ND		1		C33-C36	ND		1	
C17-C18	ND		1		C7-C36 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	92	68-140	

Method Blank	**099-12-308-103**	**N/A**	**Aqueous**	**12/07/06**	**12/08/06**	**061207B05**

Parameter	Result	RL	DF	Qual
TPH as Diesel	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	90	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/06/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0380
Fullerton, CA 92835-4127		Preparation:	EPA 3520B
		Method:	EPA 8270C(M) Isotope Dilution

Project: Brenntag South Gate / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-8	**06-12-0380-1**	**12/06/06**	**Aqueous**	**12/08/06**	**12/14/06**	**061208L07**

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	ND	2.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	85	56-123	

EB12/6/06	**06-12-0380-2**	**12/06/06**	**Aqueous**	**12/08/06**	**12/15/06**	**061208L07**

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	ND	2.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	86	56-123	

MW-5d	**06-12-0380-3**	**12/06/06**	**Aqueous**	**12/08/06**	**12/14/06**	**061208L07**

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	3.7	2.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	84	56-123	

MW-12	**06-12-0380-4**	**12/06/06**	**Aqueous**	**12/08/06**	**12/19/06**	**061208L07**

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	82	2	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	87	56-123	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/06/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0380
Fullerton, CA 92835-4127		Preparation:	EPA 3520B
		Method:	EPA 8270C(M) Isotope Dilution

Project: Brenntag South Gate / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-12 DUP	**06-12-0380-5**	**12/06/06**	**Aqueous**	**12/08/06**	**12/14/06**	**061208L07**

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	79	2	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	88	56-123	

MW-9	**06-12-0380-6**	**12/06/06**	**Aqueous**	**12/08/06**	**12/14/06**	**061208L07**

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	4.8	2.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	90	56-123	

Method Blank	**099-09-004-700**	**N/A**	**Aqueous**	**12/08/06**	**12/19/06**	**061208L07**

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	ND	2.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	89	56-123	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/06/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0380
Fullerton, CA 92835-4127		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Brenntag South Gate / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-8	**06-12-0380-1**	**12/06/06**	**Aqueous**	**12/07/06**	**12/08/06**	**061207L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	4.9	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	9.8	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	1.2	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	118	74-140		1,2-Dichloroethane-d4	117	74-146	
Toluene-d8	96	88-112		1,4-Bromofluorobenzene	84	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/06/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0380
Fullerton, CA 92835-4127		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Brenntag South Gate / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EB12/6/06	**06-12-0380-2**	**12/06/06**	**Aqueous**	**12/07/06**	**12/07/06**	**061207L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	116	74-140		1,2-Dichloroethane-d4	117	74-146	
Toluene-d8	97	88-112		1,4-Bromofluorobenzene	86	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/06/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0380
Fullerton, CA 92835-4127		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Brenntag South Gate / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-5d	**06-12-0380-3**	**12/06/06**	**Aqueous**	**12/07/06**	**12/07/06**	**061207L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	0.72	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	3.1	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	0.99	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	38	1	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	115	74-140		1,2-Dichloroethane-d4	114	74-146	
Toluene-d8	96	88-112		1,4-Bromofluorobenzene	86	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received:	12/06/06
Work Order No:	06-12-0380
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/L

Project: Brenntag South Gate / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-12	**06-12-0380-4**	**12/06/06**	**Aqueous**	**12/07/06**	**12/07/06**	**061207L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	1.6	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	1.2	0.5	1	
1,1-Dichloroethane	19	1	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	0.54	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	19	1	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	6.6	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	117	74-140		1,2-Dichloroethane-d4	117	74-146	
Toluene-d8	97	88-112		1,4-Bromofluorobenzene	84	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/06/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0380
Fullerton, CA 92835-4127		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Brenntag South Gate / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-12 DUP	**06-12-0380-5**	**12/06/06**	**Aqueous**	**12/07/06**	**12/07/06**	**061207L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	1.6	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	1.2	0.5	1	
1,1-Dichloroethane	20	1	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	0.53	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	20	1	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	6.9	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	118	74-140		1,2-Dichloroethane-d4	118	74-146	
Toluene-d8	97	88-112		1,4-Bromofluorobenzene	86	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received:	12/06/06
Work Order No:	06-12-0380
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/L

Project: Brenntag South Gate / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-9	**06-12-0380-6**	**12/06/06**	**Aqueous**	**12/08/06**	**12/08/06**	**061208L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	7.0	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	19	1	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	43	1	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	6.8	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	1.7	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	1.2	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	6.6	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	113	74-140		1,2-Dichloroethane-d4	112	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	85	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/06/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0380
Fullerton, CA 92835-4127		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Brenntag South Gate / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TRIP BLANK	**06-12-0380-7**	**12/06/06**	**Aqueous**	**12/07/06**	**12/08/06**	**061207L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	114	74-140		1,2-Dichloroethane-d4	110	74-146	
Toluene-d8	94	88-112		1,4-Bromofluorobenzene	85	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/06/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0380
Fullerton, CA 92835-4127		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Brenntag South Gate / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-19,836**	**N/A**	**Aqueous**	**12/07/06**	**12/07/06**	**061207L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	74-140		1,2-Dichloroethane-d4	105	74-146	
Toluene-d8	96	88-112		1,4-Bromofluorobenzene	88	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/06/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0380
Fullerton, CA 92835-4127		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Brenntag South Gate / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-19,838**	**N/A**	**Aqueous**	**12/07/06**	**12/08/06**	**061207L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	115	74-140		1,2-Dichloroethane-d4	114	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	86	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/06/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0380
Fullerton, CA 92835-4127		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Brenntag South Gate / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-19,842**	**N/A**	**Aqueous**	**12/08/06**	**12/08/06**	**061208L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	74-140		1,2-Dichloroethane-d4	104	74-146	
Toluene-d8	96	88-112		1,4-Bromofluorobenzene	88	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/06/06
Work Order No: 06-12-0380
Preparation: EPA 3005A Filt.
Method: EPA 6010B

Project Brenntag South Gate / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-12-0366-4	**Aqueous**	**ICP 3300**	**12/07/06**	**12/08/06**	**061207S06**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	109	112	72-132	3	0-10	
Arsenic	111	115	80-140	4	0-11	
Barium	108	112	87-123	3	0-6	
Beryllium	108	112	89-119	4	0-8	
Cadmium	108	112	82-124	4	0-7	
Chromium	107	110	86-122	3	0-8	
Cobalt	106	110	83-125	4	0-7	
Copper	93	97	78-126	4	0-7	
Lead	108	111	84-120	3	0-7	
Molybdenum	108	113	78-126	4	0-7	
Nickel	104	108	84-120	3	0-7	
Selenium	112	117	79-127	4	0-9	
Silver	106	108	86-128	2	0-7	
Thallium	96	102	79-121	6	0-8	
Vanadium	109	111	88-118	2	0-7	
Zinc	107	112	89-131	4	0-8	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/06/06
Work Order No: 06-12-0380
Preparation: EPA 7470A Filt.
Method: EPA 7470A

Project Brenntag South Gate / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-12-0366-4	**Aqueous**	**Mercury**	**12/07/06**	**12/07/06**	**061207S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	103	104	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received:	12/06/06
Work Order No:	06-12-0380
Preparation:	EPA 5030B
Method:	EPA 8260B

Project Brenntag South Gate / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-12-0272-3	**Aqueous**	**GC/MS T**	**12/07/06**	**12/07/06**	**061207S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	105	88-118	1	0-7	
Carbon Tetrachloride	99	98	67-145	0	0-11	
Chlorobenzene	104	104	88-118	0	0-7	
1,2-Dichlorobenzene	103	104	86-116	1	0-8	
1,1-Dichloroethene	102	103	70-130	1	0-25	
Toluene	100	100	87-123	0	0-8	
Trichloroethene	100	101	79-127	1	0-10	
Vinyl Chloride	84	88	69-129	4	0-13	
Methyl-t-Butyl Ether (MTBE)	95	95	71-131	0	0-13	
Tert-Butyl Alcohol (TBA)	92	91	36-168	1	0-45	
Diisopropyl Ether (DIPE)	112	111	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	90	91	72-126	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	88	88	72-126	1	0-12	
Ethanol	97	110	53-149	13	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/06/06
Work Order No: 06-12-0380
Preparation: EPA 5030B
Method: EPA 8260B

Project Brenntag South Gate / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-8	**Aqueous**	**GC/MS T**	**12/07/06**	**12/08/06**	**061207S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	111	110	88-118	1	0-7	
Carbon Tetrachloride	108	105	67-145	3	0-11	
Chlorobenzene	107	107	88-118	1	0-7	
1,2-Dichlorobenzene	109	108	86-116	1	0-8	
1,1-Dichloroethene	113	110	70-130	3	0-25	
Toluene	104	103	87-123	1	0-8	
Trichloroethene	102	100	79-127	1	0-10	
Vinyl Chloride	93	91	69-129	2	0-13	
Methyl-t-Butyl Ether (MTBE)	104	102	71-131	2	0-13	
Tert-Butyl Alcohol (TBA)	79	81	36-168	3	0-45	
Diisopropyl Ether (DIPE)	126	122	81-123	3	0-9	3
Ethyl-t-Butyl Ether (ETBE)	99	98	72-126	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	91	91	72-126	0	0-12	
Ethanol	104	98	53-149	6	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/06/06
Work Order No: 06-12-0380
Preparation: EPA 5030B
Method: EPA 8260B

Project Brenntag South Gate / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-12-0469-1	**Aqueous**	**GC/MS T**	**12/08/06**	**12/08/06**	**061208S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	108	108	88-118	0	0-7	
Carbon Tetrachloride	99	101	67-145	2	0-11	
Chlorobenzene	108	108	88-118	0	0-7	
1,2-Dichlorobenzene	107	106	86-116	1	0-8	
1,1-Dichloroethene	105	106	70-130	0	0-25	
Toluene	104	103	87-123	1	0-8	
Trichloroethene	104	104	79-127	0	0-10	
Vinyl Chloride	85	87	69-129	3	0-13	
Methyl-t-Butyl Ether (MTBE)	94	95	71-131	1	0-13	
Tert-Butyl Alcohol (TBA)	72	79	36-168	9	0-45	
Diisopropyl Ether (DIPE)	113	113	81-123	1	0-9	
Ethyl-t-Butyl Ether (ETBE)	90	92	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	88	89	72-126	0	0-12	
Ethanol	93	98	53-149	6	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ARCADIS G&M, Inc		Date Received:	N/A
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0380
Fullerton, CA 92835-4127		Preparation:	EPA 3010A Total
		Method:	EPA 6010B

Project: Brenntag South Gate / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-003-6,702	**Aqueous**	**ICP 3300**	**12/08/06**	**061207-I-06**	**061207L06**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Antimony	0.500	0.511	102	80-120	
Arsenic	0.500	0.526	105	80-120	
Barium	0.500	0.551	110	80-120	
Beryllium	0.500	0.519	104	80-120	
Cadmium	0.500	0.556	111	80-120	
Chromium	0.500	0.537	107	80-120	
Cobalt	0.500	0.567	113	80-120	
Copper	0.500	0.491	98	80-120	
Lead	0.500	0.546	109	80-120	
Molybdenum	0.500	0.533	107	80-120	
Nickel	0.500	0.563	113	80-120	
Selenium	0.500	0.521	104	80-120	
Silver	0.250	0.259	103	80-120	
Thallium	0.500	0.479	96	80-120	
Vanadium	0.500	0.525	105	80-120	
Zinc	0.500	0.555	111	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ARCADIS G&M, Inc	Date Received:	N/A
1400 North Harbor Blvd., Suite 700	Work Order No:	06-12-0380
Fullerton, CA 92835-4127	Preparation:	EPA 3510C
	Method:	EPA 8015B (M)

Project: Brenntag South Gate / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-308-103	**Aqueous**	**GC 2**	**12/07/06**	**12/07/06**	**061207B05**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	92	93	75-117	1	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ARCADIS G&M, Inc		Date Received:	N/A
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0380
Fullerton, CA 92835-4127		Preparation:	EPA 7470A Total
		Method:	EPA 7470A

Project: Brenntag South Gate / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-008-2,759	**Aqueous**	**Mercury**	**12/07/06**	**12/07/06**	**061207L02A**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	108	109	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received:	N/A
Work Order No:	06-12-0380
Preparation:	EPA 3520B
Method:	EPA 8270C(M) Isotope Dilution

Project: Brenntag South Gate / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-09-004-700	**Aqueous**	**GC/MS P**	**12/08/06**	**12/19/06**	**061208L07**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	77	75	50-130	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ARCADIS G&M, Inc	Date Received:	N/A
1400 North Harbor Blvd., Suite 700	Work Order No:	06-12-0380
Fullerton, CA 92835-4127	Preparation:	EPA 5030B
	Method:	EPA 8260B

Project: Brenntag South Gate / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-19,836	**Aqueous**	**GC/MS T**	**12/07/06**	**12/07/06**	**061207L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	105	84-120	1	0-8	
Carbon Tetrachloride	101	100	63-147	1	0-10	
Chlorobenzene	104	104	89-119	1	0-7	
1,2-Dichlorobenzene	104	104	89-119	1	0-9	
1,1-Dichloroethene	105	105	77-125	1	0-16	
Toluene	101	100	83-125	0	0-9	
Trichloroethene	101	101	89-119	0	0-8	
Vinyl Chloride	86	87	63-135	1	0-13	
Methyl-t-Butyl Ether (MTBE)	95	95	82-118	0	0-13	
Tert-Butyl Alcohol (TBA)	71	72	46-154	2	0-32	
Diisopropyl Ether (DIPE)	114	113	81-123	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	92	93	74-122	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	88	88	76-124	1	0-10	
Ethanol	89	91	60-138	2	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ARCADIS G&M, Inc		Date Received:	N/A
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0380
Fullerton, CA 92835-4127		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: Brenntag South Gate / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-10-006-19,838	Aqueous	GC/MS T	12/07/06	07DEC029.rr	061207L02

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Benzene	50	55	109	84-120	
Carbon Tetrachloride	50	53	106	63-147	
Chlorobenzene	50	54	107	89-119	
1,2-Dichlorobenzene	50	54	108	89-119	
1,1-Dichloroethene	50	56	112	77-125	
Toluene	50	51	103	83-125	
Trichloroethene	50	52	104	89-119	
Vinyl Chloride	50	47	94	63-135	
Methyl-t-Butyl Ether (MTBE)	50	50	101	82-118	
Tert-Butyl Alcohol (TBA)	250	190	75	46-154	
Diisopropyl Ether (DIPE)	50	61	122	81-123	
Ethyl-t-Butyl Ether (ETBE)	50	49	98	74-122	
Tert-Amyl-Methyl Ether (TAME)	50	45	90	76-124	
Ethanol	500	520	104	60-138	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ARCADIS G&M, Inc		Date Received:	N/A
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0380
Fullerton, CA 92835-4127		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: Brenntag South Gate / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-19,842	**Aqueous**	**GC/MS T**	**12/08/06**	**12/08/06**	**061208L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	107	84-120	1	0-8	
Carbon Tetrachloride	99	101	63-147	2	0-10	
Chlorobenzene	106	105	89-119	1	0-7	
1,2-Dichlorobenzene	104	106	89-119	2	0-9	
1,1-Dichloroethene	104	107	77-125	3	0-16	
Toluene	100	101	83-125	1	0-9	
Trichloroethene	102	103	89-119	1	0-8	
Vinyl Chloride	86	87	63-135	1	0-13	
Methyl-t-Butyl Ether (MTBE)	94	96	82-118	2	0-13	
Tert-Butyl Alcohol (TBA)	73	74	46-154	1	0-32	
Diisopropyl Ether (DIPE)	113	115	81-123	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	92	94	74-122	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	88	90	76-124	2	0-10	
Ethanol	95	92	60-138	3	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-12-0380

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

06-12-0380

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

To: Virendra Patel
From: Kristen Stevens
Date: 12/7/06
Page 1 of 1

CHAIN OF CUSTODY RECORD

Date 12/6/06
Page 1 of 1

LABORATORY CLIENT: ARCADIS
ADDRESS: 1400 NORTH HARBOR BLVD
CITY: Fullerton STATE: CAL ZIP: 92833
TEL: 714 2780992 E-MAIL: K.STEVENS@ARCADIS-US.COM
TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ 5 DAYS ☐ 10 DAYS
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NUMBER: 677.03.01 Brenntag South Gate
P.O. NO.: 677.03.01
PROJECT CONTACT: GREG FIOL
LAB USE ONLY: 12-0380
SAMPLER(S): (PRINT) Jesse Estrada
COELT LOG CODE: ☐☐☐☐
COOLER RECEIPT TEMP = °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	~~TPH (D)~~ TPH-CC (C7-C36)	BTEX / MTBE (8260B) or	OXYGENATES (8260B)	VOCs (8260B) + Oxy.	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B)/1747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)	1,4-Dioxane
1	MW-8		12/6	1128	AQ	6		X			X					X				X
2	EB 12/6/06			1035				X			X					X				X
3	MW-5d			1302				X			X					X				X
4	MW-~~9~~ 12			1408				X			X					X				X
5	MW-~~9~~ 12DUP			1409				X			X					X				X
6	MW-9			1526				X			X					X				X
7	TRIP BLANK			—		3					X									

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature]	12/6/06	1603
[signature]	[signature] (Coe)	12/06/06	1812

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

06/10/06 Revision

Q&Q Graphic 714-898-9702

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 12/6/06

Page 1 of 1

LABORATORY CLIENT: ARCADIS
ADDRESS: 1400 NORTH HARBOR BLVD
CITY: FULLERTON STATE: CA ZIP: 92835
TEL: 714 2780992 E-MAIL: K STEVENS@ARCADIS-US.COM
TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ 5 DAYS ☐ 10 DAYS
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐
SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NUMBER: 677.03.01
P.O. NO.: 677.03.01
PROJECT CONTACT: GREG FIOL
LAB USE ONLY: 12-0380
SAMPLER(S): (PRINT)
COELT LOG CODE
COOLER RECEIPT TEMP = °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or	BTEX / MTBE (8260B) or	OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B)/747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)	1,4-Dioxane				
1	MW-8		12/6	1128	AQ	6		X			X					X				X				
2	EB 12/6/06			1035				X			X					X				X				
3	MW-5d			1302				X			X					X				X				
4	MW-9DE 12			1408				X			X					X				X				
5	MW-9 12DUP			1409				X			X					X				X				
6	MW-9			1526				X			X					X				X				
7	TRIP BLANK			—		3					X													

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature]	12/6/06	1603
[signature]	[signature] (CAL)	12/06/06	1812

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/10/06 Revision

Q&Q Graphic 714-898-8702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 1 2 - 0 3 8 0

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: ARCADIS DATE: 12-06-06

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
✓ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

32 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: MP

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓

Initial: MP

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace.	✓		
Tedlar bag(s) free of condensation			✓

Initial: MP

COMMENTS:

Calscience Environmental Laboratories, Inc.

December 15, 2006

Greg Fiol
ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Subject: **Calscience Work Order No.: 06-12-0519**
Client Reference: Brenntag S.G. / 677.03.01

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/7/2006 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Virendra R Patel

Calscience Environmental
Laboratories, Inc.
Virendra Patel
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/07/06
Work Order No: 06-12-0519
Preparation: EPA 3010A Total / EPA 7470A Total
Method: EPA 6010B / EPA 7470A
Units: mg/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EQB 12/7/06	**06-12-0519-1**	**12/07/06**	**Aqueous**	**12/08/06**	**12/11/06**	**061208L10**

Comment(s): -Mercury was analyzed on 12/8/2006 3:55:48 PM with batch 061208L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Mercury	ND	0.000500	1	
Arsenic	ND	0.0100	1		Molybdenum	ND	0.00500	1	
Barium	ND	0.0100	1		Nickel	ND	0.00500	1	
Beryllium	ND	0.00100	1		Selenium	ND	0.0150	1	
Cadmium	ND	0.00500	1		Silver	ND	0.00500	1	
Chromium	ND	0.00500	1		Thallium	ND	0.0150	1	
Cobalt	ND	0.00500	1		Vanadium	ND	0.00500	1	
Copper	ND	0.00500	1		Zinc	ND	0.0100	1	
Lead	ND	0.0100	1						

MW-6d	**06-12-0519-2**	**12/07/06**	**Aqueous**	**12/08/06**	**12/11/06**	**061208L10**

Comment(s): -Mercury was analyzed on 12/8/2006 3:58:01 PM with batch 061208L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Mercury	ND	0.000500	1	
Arsenic	0.0129	0.0100	1		Molybdenum	0.0509	0.0050	1	
Barium	0.0820	0.0100	1		Nickel	ND	0.00500	1	
Beryllium	ND	0.00100	1		Selenium	0.0229	0.0150	1	
Cadmium	ND	0.00500	1		Silver	ND	0.00500	1	
Chromium	ND	0.00500	1		Thallium	ND	0.0150	1	
Cobalt	ND	0.00500	1		Vanadium	ND	0.00500	1	
Copper	ND	0.00500	1		Zinc	0.0200	0.0100	1	
Lead	0.0113	0.0100	1						

MW-11	**06-12-0519-3**	**12/07/06**	**Aqueous**	**12/08/06**	**12/11/06**	**061208L10**

Comment(s): -Mercury was analyzed on 12/8/2006 4:00:15 PM with batch 061208L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Mercury	ND	0.000500	1	
Arsenic	ND	0.0100	1		Molybdenum	0.00732	0.00500	1	
Barium	0.0252	0.0100	1		Nickel	0.481	0.005	1	
Beryllium	ND	0.00100	1		Selenium	0.0411	0.0150	1	
Cadmium	0.0206	0.0050	1		Silver	ND	0.00500	1	
Chromium	0.0220	0.0050	1		Thallium	ND	0.0150	1	
Cobalt	0.0995	0.0050	1		Vanadium	0.0293	0.0050	1	
Copper	0.801	0.005	1		Zinc	0.0676	0.0100	1	
Lead	0.0167	0.0100	1						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/07/06
Work Order No: 06-12-0519
Preparation: EPA 3010A Total / EPA 7470A Total
Method: EPA 6010B / EPA 7470A
Units: mg/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-10	**06-12-0519-4**	**12/07/06**	**Aqueous**	**12/08/06**	**12/11/06**	**061208L10**

Comment(s): -Mercury was analyzed on 12/8/2006 4:02:28 PM with batch 061208L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Mercury	ND	0.000500	1	
Arsenic	ND	0.0100	1		Molybdenum	0.0714	0.0050	1	
Barium	0.0295	0.0100	1		Nickel	0.0574	0.0050	1	
Beryllium	ND	0.00100	1		Selenium	0.0255	0.0150	1	
Cadmium	ND	0.00500	1		Silver	ND	0.00500	1	
Chromium	ND	0.00500	1		Thallium	ND	0.0150	1	
Cobalt	ND	0.00500	1		Vanadium	0.00555	0.00500	1	
Copper	0.00747	0.00500	1		Zinc	0.0105	0.0100	1	
Lead	ND	0.0100	1						

MW-1	**06-12-0519-5**	**12/07/06**	**Aqueous**	**12/08/06**	**12/11/06**	**061208L10**

Comment(s): -Mercury was analyzed on 12/8/2006 4:04:43 PM with batch 061208L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Mercury	ND	0.000500	1	
Arsenic	1.70	0.01	1		Molybdenum	0.0455	0.0050	1	
Barium	0.0440	0.0100	1		Nickel	0.483	0.005	1	
Beryllium	ND	0.00100	1		Selenium	0.0229	0.0150	1	
Cadmium	ND	0.00500	1		Silver	ND	0.00500	1	
Chromium	0.00909	0.00500	1		Thallium	ND	0.0150	1	
Cobalt	0.00970	0.00500	1		Vanadium	ND	0.00500	1	
Copper	0.0162	0.0050	1		Zinc	0.0747	0.0100	1	
Lead	0.0214	0.0100	1						

MW-5s	**06-12-0519-6**	**12/07/06**	**Aqueous**	**12/08/06**	**12/11/06**	**061208L10**

Comment(s): -Mercury was analyzed on 12/8/2006 4:06:58 PM with batch 061208L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Mercury	ND	0.000500	1	
Arsenic	0.0159	0.0100	1		Molybdenum	0.0709	0.0050	1	
Barium	0.0205	0.0100	1		Nickel	0.00815	0.00500	1	
Beryllium	ND	0.00100	1		Selenium	0.0445	0.0150	1	
Cadmium	ND	0.00500	1		Silver	ND	0.00500	1	
Chromium	ND	0.00500	1		Thallium	ND	0.0150	1	
Cobalt	ND	0.00500	1		Vanadium	0.00946	0.00500	1	
Copper	ND	0.00500	1		Zinc	0.0286	0.0100	1	
Lead	0.0106	0.0100	1						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/07/06
Work Order No: 06-12-0519
Preparation: EPA 3010A Total / EPA 7470A Total
Method: EPA 6010B / EPA 7470A
Units: mg/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-2	**06-12-0519-7**	**12/07/06**	**Aqueous**	**12/08/06**	**12/11/06**	**061208L10**

Comment(s): -Mercury was analyzed on 12/8/2006 4:09:12 PM with batch 061208L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Mercury	ND	0.000500	1	
Arsenic	0.128	0.010	1		Molybdenum	0.0231	0.0050	1	
Barium	0.0447	0.0100	1		Nickel	0.348	0.005	1	
Beryllium	ND	0.00100	1		Selenium	0.0384	0.0150	1	
Cadmium	ND	0.00500	1		Silver	ND	0.00500	1	
Chromium	0.00900	0.00500	1		Thallium	ND	0.0150	1	
Cobalt	ND	0.00500	1		Vanadium	ND	0.00500	1	
Copper	0.0206	0.0050	1		Zinc	0.0146	0.0100	1	
Lead	0.0225	0.0100	1						

MW-4	**06-12-0519-8**	**12/07/06**	**Aqueous**	**12/08/06**	**12/11/06**	**061208L10**

Comment(s): -Mercury was analyzed on 12/8/2006 4:11:28 PM with batch 061208L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Mercury	ND	0.000500	1	
Arsenic	0.0270	0.0100	1		Molybdenum	0.0211	0.0050	1	
Barium	0.0197	0.0100	1		Nickel	1.15	0.00500	1	
Beryllium	ND	0.00100	1		Selenium	0.0287	0.0150	1	
Cadmium	ND	0.00500	1		Silver	ND	0.00500	1	
Chromium	0.0135	0.0050	1		Thallium	ND	0.0150	1	
Cobalt	0.0207	0.0050	1		Vanadium	0.00869	0.00500	1	
Copper	0.162	0.005	1		Zinc	0.0584	0.0100	1	
Lead	ND	0.0100	1						

EQ 12/7/06	**06-12-0519-9**	**12/07/06**	**Aqueous**	**12/08/06**	**12/11/06**	**061208L10**

Comment(s): -Mercury was analyzed on 12/8/2006 4:13:44 PM with batch 061208L04

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Mercury	ND	0.000500	1	
Arsenic	ND	0.0100	1		Molybdenum	ND	0.00500	1	
Barium	ND	0.0100	1		Nickel	ND	0.00500	1	
Beryllium	ND	0.00100	1		Selenium	ND	0.0150	1	
Cadmium	ND	0.00500	1		Silver	ND	0.00500	1	
Chromium	ND	0.00500	1		Thallium	ND	0.0150	1	
Cobalt	ND	0.00500	1		Vanadium	ND	0.00500	1	
Copper	ND	0.00500	1		Zinc	ND	0.0100	1	
Lead	ND	0.0100	1						

Method Blank	**099-04-008-2,761**	**N/A**	**Aqueous**	**12/08/06**	**12/08/06**	**061208L04**

Parameter	Result	RL	DF	Qual
Mercury	ND	0.000500	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/07/06
Work Order No: 06-12-0519
Preparation: EPA 3010A Total / EPA 7470A Total
Method: EPA 6010B / EPA 7470A
Units: mg/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**097-01-003-6,707**	**N/A**	**Aqueous**	**12/08/06**	**12/11/06**	**061208L10**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Lead	ND	0.0100	1	
Arsenic	ND	0.0100	1		Molybdenum	ND	0.00500	1	
Barium	ND	0.0100	1		Nickel	ND	0.00500	1	
Beryllium	ND	0.00100	1		Selenium	ND	0.0150	1	
Cadmium	ND	0.00500	1		Silver	ND	0.00500	1	
Chromium	ND	0.00500	1		Thallium	ND	0.0150	1	
Cobalt	ND	0.00500	1		Vanadium	ND	0.00500	1	
Copper	ND	0.00500	1		Zinc	ND	0.0100	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/07/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0519
Fullerton, CA 92835-4127		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EQB 12/7/06	**06-12-0519-1**	**12/07/06**	**Aqueous**	**12/08/06**	**12/09/06**	**061208B07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C19-C20	ND		1	
C8	ND		1		C21-C22	ND		1	
C9-C10	ND		1		C23-C24	ND		1	
C11-C12	ND		1		C25-C28	ND		1	
C13-C14	ND		1		C29-C32	ND		1	
C15-C16	ND		1		C33-C36	ND		1	
C17-C18	ND		1		C7-C36 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	95	68-140	

MW-6d	06-12-0519-2	12/07/06	Aqueous	12/08/06	12/09/06	061208B07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C19-C20	6.3		1	
C8	ND		1		C21-C22	7.3		1	
C9-C10	ND		1		C23-C24	10		1	
C11-C12	ND		1		C25-C28	3.9		1	
C13-C14	ND		1		C29-C32	ND		1	
C15-C16	9.1		1		C33-C36	ND		1	
C17-C18	39		1		C7-C36 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	93	68-140	

MW-11	06-12-0519-3	12/07/06	Aqueous	12/08/06	12/09/06	061208B07

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C19-C20	6.8		1	
C8	ND		1		C21-C22	3.3		1	
C9-C10	ND		1		C23-C24	12		1	
C11-C12	ND		1		C25-C28	4.0		1	
C13-C14	ND		1		C29-C32	ND		1	
C15-C16	9.5		1		C33-C36	ND		1	
C17-C18	45		1		C7-C36 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	99	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/07/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0519
Fullerton, CA 92835-4127		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-10	**06-12-0519-4**	**12/07/06**	**Aqueous**	**12/08/06**	**12/09/06**	**061208B07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C19-C20	3.8		1	
C8	ND		1		C21-C22	5.5		1	
C9-C10	ND		1		C23-C24	1.8		1	
C11-C12	ND		1		C25-C28	ND		1	
C13-C14	ND		1		C29-C32	ND		1	
C15-C16	6.2		1		C33-C36	ND		1	
C17-C18	34		1		C7-C36 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	110	68-140	

MW-1	**06-12-0519-5**	**12/07/06**	**Aqueous**	**12/08/06**	**12/09/06**	**061208B07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	53		1		C19-C20	22		1	
C8	21		1		C21-C22	11		1	
C9-C10	15		1		C23-C24	10		1	
C11-C12	4.7		1		C25-C28	3.7		1	
C13-C14	18		1		C29-C32	ND		1	
C15-C16	13		1		C33-C36	ND		1	
C17-C18	19		1		C7-C36 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	94	68-140	

MW-5s	**06-12-0519-6**	**12/07/06**	**Aqueous**	**12/08/06**	**12/09/06**	**061208B07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C19-C20	ND		1	
C8	ND		1		C21-C22	ND		1	
C9-C10	ND		1		C23-C24	ND		1	
C11-C12	ND		1		C25-C28	ND		1	
C13-C14	ND		1		C29-C32	ND		1	
C15-C16	ND		1		C33-C36	ND		1	
C17-C18	ND		1		C7-C36 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	106	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received:	12/07/06
Work Order No:	06-12-0519
Preparation:	EPA 3510C
Method:	EPA 8015B (M)
Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-2	**06-12-0519-7**	**12/07/06**	**Aqueous**	**12/08/06**	**12/09/06**	**061208B07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C19-C20	63		1	
C8	ND		1		C21-C22	24		1	
C9-C10	12		1		C23-C24	12		1	
C11-C12	57		1		C25-C28	4.1		1	
C13-C14	65		1		C29-C32	ND		1	
C15-C16	78		1		C33-C36	ND		1	
C17-C18	100		1		C7-C36 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	95	68-140	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-4	**06-12-0519-8**	**12/07/06**	**Aqueous**	**12/08/06**	**12/09/06**	**061208B07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C19-C20	77		1	
C8	ND		1		C21-C22	23		1	
C9-C10	15		1		C23-C24	14		1	
C11-C12	66		1		C25-C28	4.4		1	
C13-C14	74		1		C29-C32	ND		1	
C15-C16	100		1		C33-C36	ND		1	
C17-C18	86		1		C7-C36 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	105	68-140	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EQ 12/7/06	**06-12-0519-9**	**12/07/06**	**Aqueous**	**12/08/06**	**12/09/06**	**061208B07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	ND		1		C19-C20	ND		1	
C8	ND		1		C21-C22	ND		1	
C9-C10	ND		1		C23-C24	ND		1	
C11-C12	ND		1		C25-C28	ND		1	
C13-C14	ND		1		C29-C32	ND		1	
C15-C16	ND		1		C33-C36	7.1		1	
C17-C18	ND		1		C7-C36 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	101	68-140	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-308-105**	**N/A**	**Aqueous**	**12/08/06**	**12/08/06**	**061208B07**

Parameter	Result	RL	DF	Qual
TPH as Diesel	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	106	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/07/06
Work Order No: 06-12-0519
Preparation: EPA 3520B
Method: EPA 8270C(M) Isotope Dilution

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EQB 12/7/06	**06-12-0519-1**	**12/07/06**	**Aqueous**	**12/08/06**	**12/12/06**	**061208L07D**

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	ND	2.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	95	56-123	

MW-6d	06-12-0519-2	12/07/06	Aqueous	12/08/06	12/13/06	061208L07D

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	ND	2.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	65	56-123	

MW-11	06-12-0519-3	12/07/06	Aqueous	12/08/06	12/13/06	061208L07D

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	2.3	2.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	83	56-123	

MW-10	06-12-0519-4	12/07/06	Aqueous	12/08/06	12/13/06	061208L07D

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	15	2	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	80	56-123	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/07/06
Work Order No: 06-12-0519
Preparation: EPA 3520B
Method: EPA 8270C(M) Isotope Dilution

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-1	**06-12-0519-5**	**12/07/06**	**Aqueous**	**12/08/06**	**12/13/06**	**061208L07D**

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	5.2	2.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	94	56-123	

MW-5s	06-12-0519-6	12/07/06	Aqueous	12/08/06	12/13/06	061208L07D

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	ND	2.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	97	56-123	

MW-2	06-12-0519-7	12/07/06	Aqueous	12/08/06	12/13/06	061208L07D

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	120	2	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	89	56-123	

MW-4	06-12-0519-8	12/07/06	Aqueous	12/08/06	12/13/06	061208L07D

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	46	2	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	70	56-123	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/07/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0519
Fullerton, CA 92835-4127		Preparation:	EPA 3520B
		Method:	EPA 8270C(M) Isotope Dilution

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EQ 12/7/06	**06-12-0519-9**	**12/07/06**	**Aqueous**	**12/08/06**	**12/13/06**	**061208L07D**

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	ND	2.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	102	56-123	

Method Blank		**099-09-004-690**	**N/A**	**Aqueous**	**12/08/06**	**12/12/06**	**061208L07D**

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	ND	2.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	80	56-123	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received:	12/07/06
Work Order No:	06-12-0519
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EQB 12/7/06	**06-12-0519-1**	**12/07/06**	**Aqueous**	**12/11/06**	**12/11/06**	**061211L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	111	74-140		1,2-Dichloroethane-d4	111	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	86	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received:	12/07/06
Work Order No:	06-12-0519
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-6d	**06-12-0519-2**	**12/07/06**	**Aqueous**	**12/11/06**	**12/11/06**	**061211L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	3.3	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	6.4	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	74-140		1,2-Dichloroethane-d4	108	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	87	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/07/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0519
Fullerton, CA 92835-4127		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-11	**06-12-0519-3**	**12/07/06**	**Aqueous**	**12/11/06**	**12/11/06**	**061211L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	3.2	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	60	1	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	1.8	0.5	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	2.0	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	5.0	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	104	74-140		1,2-Dichloroethane-d4	100	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	88	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received:	12/07/06
Work Order No:	06-12-0519
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-10	**06-12-0519-4**	**12/07/06**	**Aqueous**	**12/11/06**	**12/11/06**	**061211L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	3.5	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	25	1	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	7.9	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	0.65	0.50	1	
1,1-Dichloroethane	1.8	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	4.4	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	57	1	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	3.1	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	74-140		1,2-Dichloroethane-d4	107	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	86	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/07/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0519
Fullerton, CA 92835-4127		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-1	**06-12-0519-5**	**12/07/06**	**Aqueous**	**12/11/06**	**12/11/06**	**061211L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	1.4	0.5	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	48	1	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	3.9	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	400	5	5	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	19	1	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	4.2	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	0.62	0.50	1	
1,1-Dichloroethane	4.5	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	4.2	0.5	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	6.9	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	210	5	5		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	4.4	1.0	1		Diisopropyl Ether (DIPE)	2.7	2.0	1	
1,2-Dichloropropane	4.3	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	74-140		1,2-Dichloroethane-d4	109	74-146	
Toluene-d8	96	88-112		1,4-Bromofluorobenzene	86	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received:	12/07/06
Work Order No:	06-12-0519
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-5s	**06-12-0519-6**	**12/07/06**	**Aqueous**	**12/11/06**	**12/12/06**	**061211L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	100	2		c-1,3-Dichloropropene	ND	1.0	2	
Benzene	ND	1.0	2		t-1,3-Dichloropropene	ND	1.0	2	
Bromobenzene	ND	2.0	2		Ethylbenzene	ND	2.0	2	
Bromochloromethane	ND	2.0	2		2-Hexanone	ND	20	2	
Bromodichloromethane	ND	2.0	2		Isopropylbenzene	ND	2.0	2	
Bromoform	ND	2.0	2		p-Isopropyltoluene	ND	2.0	2	
Bromomethane	ND	20	2		Methylene Chloride	ND	20	2	
2-Butanone	ND	20	2		4-Methyl-2-Pentanone	ND	20	2	
n-Butylbenzene	ND	2.0	2		Naphthalene	ND	20	2	
sec-Butylbenzene	ND	2.0	2		n-Propylbenzene	ND	2.0	2	
tert-Butylbenzene	ND	2.0	2		Styrene	ND	2.0	2	
Carbon Disulfide	ND	20	2		1,1,1,2-Tetrachloroethane	ND	2.0	2	
Carbon Tetrachloride	ND	1.0	2		1,1,2,2-Tetrachloroethane	ND	2.0	2	
Chlorobenzene	ND	2.0	2		Tetrachloroethene	6.7	2.0	2	
Chloroethane	ND	2.0	2		Toluene	ND	2.0	2	
Chloroform	ND	2.0	2		1,2,3-Trichlorobenzene	ND	2.0	2	
Chloromethane	ND	20	2		1,2,4-Trichlorobenzene	ND	2.0	2	
2-Chlorotoluene	ND	2.0	2		1,1,1-Trichloroethane	ND	2.0	2	
4-Chlorotoluene	ND	2.0	2		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	20	2	
Dibromochloromethane	ND	2.0	2		1,1,2-Trichloroethane	ND	2.0	2	
1,2-Dibromo-3-Chloropropane	ND	10	2		Trichloroethene	200	2	2	
1,2-Dibromoethane	ND	2.0	2		Trichlorofluoromethane	ND	20	2	
Dibromomethane	ND	2.0	2		1,2,3-Trichloropropane	ND	10	2	
1,2-Dichlorobenzene	ND	2.0	2		1,2,4-Trimethylbenzene	ND	2.0	2	
1,3-Dichlorobenzene	ND	2.0	2		1,3,5-Trimethylbenzene	ND	2.0	2	
1,4-Dichlorobenzene	ND	2.0	2		Vinyl Acetate	ND	20	2	
Dichlorodifluoromethane	ND	2.0	2		Vinyl Chloride	ND	1.0	2	
1,1-Dichloroethane	2.2	2.0	2		p/m-Xylene	ND	2.0	2	
1,2-Dichloroethane	ND	1.0	2		o-Xylene	ND	2.0	2	
1,1-Dichloroethene	2.6	2.0	2		Methyl-t-Butyl Ether (MTBE)	ND	2.0	2	
c-1,2-Dichloroethene	18	2	2		Tert-Butyl Alcohol (TBA)	ND	20	2	
t-1,2-Dichloroethene	ND	2.0	2		Diisopropyl Ether (DIPE)	ND	4.0	2	
1,2-Dichloropropane	ND	2.0	2		Ethyl-t-Butyl Ether (ETBE)	ND	4.0	2	
1,3-Dichloropropane	ND	2.0	2		Tert-Amyl-Methyl Ether (TAME)	ND	4.0	2	
2,2-Dichloropropane	ND	2.0	2		Ethanol	ND	200	2	
1,1-Dichloropropene	ND	2.0	2						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	111	74-140		1,2-Dichloroethane-d4	109	74-146	
Toluene-d8	94	88-112		1,4-Bromofluorobenzene	87	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/07/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0519
Fullerton, CA 92835-4127		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: Brenntag S.G. / 677.03.01			Page 7 of 13

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-2	**06-12-0519-7**	**12/07/06**	**Aqueous**	**12/12/06**	**12/12/06**	**061212L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	0.96	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	3.3	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	110	1	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	1.8	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	1.0	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	0.82	0.50	1	
1,1-Dichloroethane	3.3	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	6.2	0.5	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	2.9	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	94	1	1		Tert-Butyl Alcohol (TBA)	10	10	1	
t-1,2-Dichloroethene	3.4	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	3.4	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	74-140		1,2-Dichloroethane-d4	104	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	86	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/07/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0519
Fullerton, CA 92835-4127		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-4	**06-12-0519-8**	**12/07/06**	**Aqueous**	**12/12/06**	**12/12/06**	**061212L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	0.97	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	7.8	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	110	1	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	4.2	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	3.2	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	1.2	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	1.4	0.5	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	2.6	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	72	1	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	5.6	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	2.0	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	74-140		1,2-Dichloroethane-d4	106	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	87	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/07/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0519
Fullerton, CA 92835-4127		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
EQ 12/7/06	**06-12-0519-9**	**12/07/06**	**Aqueous**	**12/11/06**	**12/12/06**	**061211L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	111	74-140		1,2-Dichloroethane-d4	106	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	86	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received:	12/07/06
Work Order No:	06-12-0519
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TB	**06-12-0519-10**	**12/07/06**	**Aqueous**	**12/11/06**	**12/12/06**	**061211L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	119	74-140		1,2-Dichloroethane-d4	115	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	85	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/07/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0519
Fullerton, CA 92835-4127		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-19,861**	**N/A**	**Aqueous**	**12/11/06**	**12/11/06**	**061211L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	74-140		1,2-Dichloroethane-d4	90	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	87	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/07/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0519
Fullerton, CA 92835-4127		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-19,865**	**N/A**	**Aqueous**	**12/11/06**	**12/12/06**	**061211L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	74-140		1,2-Dichloroethane-d4	105	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	88	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/07/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0519
Fullerton, CA 92835-4127		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-19,870**	**N/A**	**Aqueous**	**12/12/06**	**12/12/06**	**061212L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	74-140		1,2-Dichloroethane-d4	103	74-146	
Toluene-d8	101	88-112		1,4-Bromofluorobenzene	94	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/07/06
Work Order No: 06-12-0519
Preparation: EPA 3010A Total
Method: EPA 6010B

Project Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-6d	**Aqueous**	**ICP 3300**	**12/08/06**	**12/11/06**	**061208S10**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	99	101	72-132	1	0-10	
Arsenic	102	101	80-140	1	0-11	
Barium	104	105	87-123	1	0-6	
Beryllium	99	102	89-119	3	0-8	
Cadmium	104	105	82-124	1	0-7	
Chromium	102	102	86-122	0	0-8	
Cobalt	104	105	83-125	1	0-7	
Copper	96	96	78-126	0	0-7	
Lead	104	105	84-120	1	0-7	
Molybdenum	101	102	78-126	1	0-7	
Nickel	100	101	84-120	1	0-7	
Selenium	97	97	79-127	0	0-9	
Silver	102	102	86-128	0	0-7	
Thallium	95	95	79-121	1	0-8	
Vanadium	103	103	88-118	0	0-7	
Zinc	108	109	89-131	1	0-8	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/07/06
Work Order No: 06-12-0519
Preparation: EPA 7470A Total
Method: EPA 7470A

Project Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-11	**Aqueous**	**Mercury**	**12/08/06**	**12/08/06**	**061208S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	83	83	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/07/06
Work Order No: 06-12-0519
Preparation: EPA 5030B
Method: EPA 8260B

Project Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-11	**Aqueous**	**GC/MS T**	**12/11/06**	**12/11/06**	**061211S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	109	111	88-118	2	0-7	
Carbon Tetrachloride	101	104	67-145	3	0-11	
Chlorobenzene	107	109	88-118	2	0-7	
1,2-Dichlorobenzene	107	109	86-116	2	0-8	
1,1-Dichloroethene	114	118	70-130	4	0-25	
Toluene	102	103	87-123	1	0-8	
Trichloroethene	104	105	79-127	1	0-10	
Vinyl Chloride	96	99	69-129	3	0-13	
Methyl-t-Butyl Ether (MTBE)	98	103	71-131	4	0-13	
Tert-Butyl Alcohol (TBA)	82	90	36-168	9	0-45	
Diisopropyl Ether (DIPE)	114	119	81-123	4	0-9	
Ethyl-t-Butyl Ether (ETBE)	93	98	72-126	5	0-12	
Tert-Amyl-Methyl Ether (TAME)	90	94	72-126	4	0-12	
Ethanol	104	115	53-149	10	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/07/06
Work Order No: 06-12-0519
Preparation: EPA 5030B
Method: EPA 8260B

Project Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-12-0614-2	**Aqueous**	**GC/MS T**	**12/11/06**	**12/12/06**	**061211S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	113	115	88-118	2	0-7	
Carbon Tetrachloride	104	108	67-145	4	0-11	
Chlorobenzene	109	110	88-118	1	0-7	
1,2-Dichlorobenzene	110	110	86-116	0	0-8	
1,1-Dichloroethene	118	121	70-130	2	0-25	
Toluene	105	106	87-123	1	0-8	
Trichloroethene	105	108	79-127	3	0-10	
Vinyl Chloride	100	101	69-129	1	0-13	
Methyl-t-Butyl Ether (MTBE)	101	106	71-131	4	0-13	
Tert-Butyl Alcohol (TBA)	76	86	36-168	11	0-45	
Diisopropyl Ether (DIPE)	121	124	81-123	3	0-9	3
Ethyl-t-Butyl Ether (ETBE)	96	102	72-126	5	0-12	
Tert-Amyl-Methyl Ether (TAME)	92	94	72-126	2	0-12	
Ethanol	105	117	53-149	11	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/07/06
Work Order No: 06-12-0519
Preparation: EPA 5030B
Method: EPA 8260B

Project Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-12-0719-1	**Aqueous**	**GC/MS T**	**12/12/06**	**12/12/06**	**061212S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	103	101	88-118	2	0-7	
Carbon Tetrachloride	101	101	67-145	1	0-11	
Chlorobenzene	103	101	88-118	2	0-7	
1,2-Dichlorobenzene	100	97	86-116	3	0-8	
1,1-Dichloroethene	100	98	70-130	2	0-25	
Toluene	103	101	87-123	2	0-8	
Trichloroethene	104	102	79-127	2	0-10	
Vinyl Chloride	92	92	69-129	1	0-13	
Methyl-t-Butyl Ether (MTBE)	97	97	71-131	0	0-13	
Tert-Butyl Alcohol (TBA)	105	109	36-168	3	0-45	
Diisopropyl Ether (DIPE)	96	96	81-123	0	0-9	
Ethyl-t-Butyl Ether (ETBE)	92	93	72-126	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	99	98	72-126	2	0-12	
Ethanol	108	109	53-149	1	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: N/A
Work Order No: 06-12-0519
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-003-6,707	Aqueous	ICP 3300	12/11/06	061208-I-10	061208L10

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Antimony	0.500	0.485	97	80-120	
Arsenic	0.500	0.475	95	80-120	
Barium	0.500	0.523	105	80-120	
Beryllium	0.500	0.479	96	80-120	
Cadmium	0.500	0.526	105	80-120	
Chromium	0.500	0.506	101	80-120	
Cobalt	0.500	0.543	109	80-120	
Copper	0.500	0.489	98	80-120	
Lead	0.500	0.537	107	80-120	
Molybdenum	0.500	0.509	102	80-120	
Nickel	0.500	0.527	105	80-120	
Selenium	0.500	0.462	92	80-120	
Silver	0.250	0.251	100	80-120	
Thallium	0.500	0.448	90	80-120	
Vanadium	0.500	0.505	101	80-120	
Zinc	0.500	0.587	117	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ARCADIS G&M, Inc	Date Received:	N/A
1400 North Harbor Blvd., Suite 700	Work Order No:	06-12-0519
Fullerton, CA 92835-4127	Preparation:	EPA 3510C
	Method:	EPA 8015B (M)

Project: Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-308-105	**Aqueous**	**GC 3**	**12/08/06**	**12/08/06**	**061208B07**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	98	92	75-117	6	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: N/A
Work Order No: 06-12-0519
Preparation: EPA 7470A Total
Method: EPA 7470A

Project: Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-008-2,761	**Aqueous**	**Mercury**	**12/08/06**	**12/08/06**	**061208L04**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	100	100	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: N/A
Work Order No: 06-12-0519
Preparation: EPA 3520B
Method: EPA 8270C(M) Isotope Dilution

Project: Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-09-004-690	**Aqueous**	**GC/MS J**	**12/08/06**	**12/12/06**	**061208L07D**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	99	98	50-130	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received:	N/A
Work Order No:	06-12-0519
Preparation:	EPA 5030B
Method:	EPA 8260B

Project: Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-19,861	Aqueous	GC/MS T	12/11/06	12/11/06	061211L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	108	111	84-120	2	0-8	
Carbon Tetrachloride	103	103	63-147	0	0-10	
Chlorobenzene	106	107	89-119	1	0-7	
1,2-Dichlorobenzene	106	106	89-119	0	0-9	
1,1-Dichloroethene	117	117	77-125	1	0-16	
Toluene	102	104	83-125	2	0-9	
Trichloroethene	103	106	89-119	3	0-8	
Vinyl Chloride	100	99	63-135	1	0-13	
Methyl-t-Butyl Ether (MTBE)	100	99	82-118	1	0-13	
Tert-Butyl Alcohol (TBA)	77	80	46-154	4	0-32	
Diisopropyl Ether (DIPE)	118	116	81-123	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	98	98	74-122	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	91	93	76-124	2	0-10	
Ethanol	95	98	60-138	3	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: N/A
Work Order No: 06-12-0519
Preparation: EPA 5030B
Method: EPA 8260B

Project: Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-19,865	Aqueous	GC/MS T	12/11/06	12/12/06	061211L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	110	110	84-120	0	0-8	
Carbon Tetrachloride	102	102	63-147	0	0-10	
Chlorobenzene	107	107	89-119	0	0-7	
1,2-Dichlorobenzene	108	107	89-119	0	0-9	
1,1-Dichloroethene	120	118	77-125	1	0-16	
Toluene	103	103	83-125	1	0-9	
Trichloroethene	104	103	89-119	1	0-8	
Vinyl Chloride	101	101	63-135	0	0-13	
Methyl-t-Butyl Ether (MTBE)	100	101	82-118	1	0-13	
Tert-Butyl Alcohol (TBA)	73	74	46-154	2	0-32	
Diisopropyl Ether (DIPE)	118	118	81-123	0	0-11	
Ethyl-t-Butyl Ether (ETBE)	98	99	74-122	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	90	91	76-124	1	0-10	
Ethanol	98	98	60-138	0	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: N/A
Work Order No: 06-12-0519
Preparation: EPA 5030B
Method: EPA 8260B

Project: Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-19,870	**Aqueous**	**GC/MS T**	**12/12/06**	**12/12/06**	**061212L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	101	84-120	0	0-8	
Carbon Tetrachloride	105	102	63-147	2	0-10	
Chlorobenzene	104	101	89-119	2	0-7	
1,2-Dichlorobenzene	100	99	89-119	1	0-9	
1,1-Dichloroethene	102	100	77-125	2	0-16	
Toluene	101	102	83-125	0	0-9	
Trichloroethene	102	101	89-119	1	0-8	
Vinyl Chloride	94	91	63-135	4	0-13	
Methyl-t-Butyl Ether (MTBE)	100	98	82-118	2	0-13	
Tert-Butyl Alcohol (TBA)	111	108	46-154	3	0-32	
Diisopropyl Ether (DIPE)	101	99	81-123	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	99	97	74-122	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	101	100	76-124	1	0-10	
Ethanol	109	103	60-138	6	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-12-0519

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 12/7/06

Page 1 of 1

LABORATORY CLIENT: ARCADIS
ADDRESS: 1400 NORTH HARBOR BLVD
CITY: FULLERTON STATE: CA ZIP: 92833
TEL: 714 2780992 E-MAIL: KSTEVENS@ARCADIS-US.COM

CLIENT PROJECT NAME / NUMBER: 677.03.01 BRENTAG S.G.
PROJECT CONTACT: GREG TOL
SAMPLER(S): (PRINT)
COELT LOG CODE
P.O. NO.: 677.03.01
LAB USE ONLY: 12-0517
COOLER RECEIPT TEMP = ____ °C

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐ ____

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or TPH C7 - C36	BTEX / MTBE (8260B) or ____	OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)	1,4 Dioxan				
1	EQB 12/7/06		12/7	0700	AQ	6		X			X					X				X				
2	MW-6d		↓	0805	↓	↓		X			X					X				X				
3	MW-11			0917				X			X					X				X				
4	MW-10 DE 12/7/06			1030				X			X					X				X				
5	MW-~~4~~1 DE 12/7/06			1136				X			X					X				X				
6	MW-~~4~~5s DE 12/7/06			1322				X			X					X				X				
7	MW-~~5~~2			1440				X			X					X				X				
8	MW-4			1546				X			X					X				X				
9	EQ 12/7/06		↓	1400	↓	↓		X			X					X				X				
10	TB		12/7	—	AQ	3					X													

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature]	12/7/06	1600
[signature]	[signature]	12/7/06	1805

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/10/06 Revision

Q&Q Graphic/714-898-9702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 06 - 1 2 - 0 5 1 9

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Arcadis DATE: 12/7/6

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
✓ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.
3.0 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: [illegible]

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓

Initial: [illegible]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace.	✓		
Tedlar bag(s) free of condensation			✓

Initial: [illegible]

COMMENTS:

Calscience Environmental Laboratories, Inc.

December 15, 2006

Greg Fiol
ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Subject: **Calscience Work Order No.: 06-12-0602**
Client Reference: Brenntag S.G. / 677.03.01

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/8/2006 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Virendra R Patel

Calscience Environmental
Laboratories, Inc.
Virendra Patel
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/08/06
Work Order No: 06-12-0602
Preparation: EPA 3010A Total / EPA 7470A Total
Method: EPA 6010B / EPA 7470A
Units: mg/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-7s	**06-12-0602-1**	**12/08/06**	**Aqueous**	**12/11/06**	**12/11/06**	**061211L06**

Comment(s): -Mercury was analyzed on 12/11/2006 2:25:45 PM with batch 061211L05

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Mercury	ND	0.000500	1	
Arsenic	ND	0.0100	1		Molybdenum	0.0446	0.0050	1	
Barium	0.0150	0.0100	1		Nickel	0.515	0.005	1	
Beryllium	ND	0.00100	1		Selenium	0.0229	0.0150	1	
Cadmium	0.0204	0.0050	1		Silver	ND	0.00500	1	
Chromium	ND	0.00500	1		Thallium	ND	0.0150	1	
Cobalt	0.0290	0.0050	1		Vanadium	0.0158	0.0050	1	
Copper	0.522	0.005	1		Zinc	0.0195	0.0100	1	
Lead	0.0102	0.0100	1						

MW-7s DUP	**06-12-0602-2**	**12/08/06**	**Aqueous**	**12/11/06**	**12/12/06**	**061211L06**

Comment(s): -Mercury was analyzed on 12/11/2006 2:28:02 PM with batch 061211L05

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Mercury	ND	0.000500	1	
Arsenic	ND	0.0100	1		Molybdenum	0.0422	0.0050	1	
Barium	0.0127	0.0100	1		Nickel	0.478	0.005	1	
Beryllium	ND	0.00100	1		Selenium	0.0482	0.0150	1	
Cadmium	0.0179	0.0050	1		Silver	ND	0.00500	1	
Chromium	ND	0.00500	1		Thallium	ND	0.0150	1	
Cobalt	0.0268	0.0050	1		Vanadium	0.0150	0.0050	1	
Copper	0.486	0.005	1		Zinc	0.0325	0.0100	1	
Lead	0.0179	0.0100	1						

MW-7d	**06-12-0602-3**	**12/08/06**	**Aqueous**	**12/11/06**	**12/12/06**	**061211L06**

Comment(s): -Mercury was analyzed on 12/11/2006 2:30:16 PM with batch 061211L05

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Mercury	ND	0.000500	1	
Arsenic	0.0993	0.0100	1		Molybdenum	0.0454	0.0050	1	
Barium	0.0199	0.0100	1		Nickel	0.278	0.005	1	
Beryllium	ND	0.00100	1		Selenium	0.0192	0.0150	1	
Cadmium	ND	0.00500	1		Silver	ND	0.00500	1	
Chromium	ND	0.00500	1		Thallium	ND	0.0150	1	
Cobalt	0.0145	0.0050	1		Vanadium	ND	0.00500	1	
Copper	0.0335	0.0050	1		Zinc	0.0454	0.0100	1	
Lead	0.0149	0.0100	1						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/08/06
Work Order No: 06-12-0602
Preparation: EPA 3010A Total / EPA 7470A Total
Method: EPA 6010B / EPA 7470A
Units: mg/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-6s	**06-12-0602-4**	**12/08/06**	**Aqueous**	**12/11/06**	**12/12/06**	**061211L06**

Comment(s): -Mercury was analyzed on 12/11/2006 2:32:26 PM with batch 061211L05

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Mercury	ND	0.000500	1	
Arsenic	6.59	0.01	1		Molybdenum	0.0384	0.0050	1	
Barium	0.0180	0.0100	1		Nickel	1.51	0.00500	1	
Beryllium	ND	0.00100	1		Selenium	0.0875	0.0150	1	
Cadmium	ND	0.00500	1		Silver	ND	0.00500	1	
Chromium	0.165	0.005	1		Thallium	ND	0.0150	1	
Cobalt	0.0503	0.0050	1		Vanadium	0.0575	0.0050	1	
Copper	0.561	0.005	1		Zinc	0.370	0.010	1	
Lead	0.0351	0.0100	1						

Method Blank	**099-04-008-2,763**	**N/A**	**Aqueous**	**12/11/06**	**12/11/06**	**061211L05**

Parameter	Result	RL	DF	Qual
Mercury	ND	0.000500	1	

Method Blank	**097-01-003-6,698**	**N/A**	**Aqueous**	**12/11/06**	**12/11/06**	**061211L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Antimony	ND	0.0150	1		Lead	ND	0.0100	1	
Arsenic	ND	0.0100	1		Molybdenum	ND	0.00500	1	
Barium	ND	0.0100	1		Nickel	ND	0.00500	1	
Beryllium	ND	0.00100	1		Selenium	ND	0.0150	1	
Cadmium	ND	0.00500	1		Silver	ND	0.00500	1	
Chromium	ND	0.00500	1		Thallium	ND	0.0150	1	
Cobalt	ND	0.00500	1		Vanadium	ND	0.00500	1	
Copper	ND	0.00500	1		Zinc	ND	0.0100	1	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/08/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0602
Fullerton, CA 92835-4127		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-7s	**06-12-0602-1**	**12/08/06**	**Aqueous**	**12/11/06**	**12/12/06**	**061211B11**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	120		1		C19-C20	ND		1	
C8	32		1		C21-C22	ND		1	
C9-C10	ND		1		C23-C24	ND		1	
C11-C12	92		1		C25-C28	ND		1	
C13-C14	30		1		C29-C32	ND		1	
C15-C16	ND		1		C33-C36	ND		1	
C17-C18	ND		1		C7-C36 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	121	68-140	

MW-7s DUP	06-12-0602-2	12/08/06	Aqueous	12/11/06	12/12/06	061211B11

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	120		1		C19-C20	ND		1	
C8	34		1		C21-C22	ND		1	
C9-C10	ND		1		C23-C24	ND		1	
C11-C12	67		1		C25-C28	ND		1	
C13-C14	ND		1		C29-C32	ND		1	
C15-C16	ND		1		C33-C36	ND		1	
C17-C18	ND		1		C7-C36 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	68-140	

MW-7d	06-12-0602-3	12/08/06	Aqueous	12/11/06	12/12/06	061211B11

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	330		1		C19-C20	ND		1	
C8	ND		1		C21-C22	ND		1	
C9-C10	47		1		C23-C24	ND		1	
C11-C12	110		1		C25-C28	ND		1	
C13-C14	ND		1		C29-C32	ND		1	
C15-C16	ND		1		C33-C36	ND		1	
C17-C18	ND		1		C7-C36 Total	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	116	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received:	12/08/06
Work Order No:	06-12-0602
Preparation:	EPA 3510C
Method:	EPA 8015B (M)
Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-6s	**06-12-0602-4**	**12/08/06**	**Aqueous**	**12/11/06**	**12/12/06**	**061211B11**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
C7	130		1		C19-C20	100		1	
C8	ND		1		C21-C22	65		1	
C9-C10	88		1		C23-C24	24		1	
C11-C12	16		1		C25-C28	23		1	
C13-C14	79		1		C29-C32	ND		1	
C15-C16	230		1		C33-C36	ND		1	
C17-C18	210		1		C7-C36 Total	960	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	131	68-140	

Method Blank	**099-12-308-111**	**N/A**	**Aqueous**	**12/11/06**	**12/12/06**	**061211B11**

Parameter	Result	RL	DF	Qual
TPH as Diesel	ND	500	1	

Surrogates:	REC (%)	Control Limits	Qual
Decachlorobiphenyl	125	68-140	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/08/06
Work Order No: 06-12-0602
Preparation: EPA 3520B
Method: EPA 8270C(M) Isotope Dilution

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-7s	**06-12-0602-1**	**12/08/06**	**Aqueous**	**12/10/06**	**12/13/06**	**061210L02D**

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	15	2	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	95	56-123	

MW-7s DUP	06-12-0602-2	12/08/06	Aqueous	12/10/06	12/13/06	061210L02D

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	16	2	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	87	56-123	

MW-7d	06-12-0602-3	12/08/06	Aqueous	12/10/06	12/13/06	061210L02D

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	64	2	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	86	56-123	

MW-6s	06-12-0602-4	12/08/06	Aqueous	12/10/06	12/13/06	061210L02D

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	14	2	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	81	56-123	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/08/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0602
Fullerton, CA 92835-4127		Preparation:	EPA 3520B
		Method:	EPA 8270C(M) Isotope Dilution

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-09-004-692**	**N/A**	**Aqueous**	**12/10/06**	**12/12/06**	**061210L02D**

Parameter	Result	RL	DF	Qual	Units
1,4-Dioxane	ND	2.0	1		ug/L

Surrogates:	REC (%)	Control Limits	Qual
Nitrobenzene-d5	105	56-123	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received:	12/08/06
Work Order No:	06-12-0602
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-7s	**06-12-0602-1**	**12/08/06**	**Aqueous**	**12/09/06**	**12/09/06**	**061209L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	250	5		c-1,3-Dichloropropene	ND	2.5	5	
Benzene	ND	2.5	5		t-1,3-Dichloropropene	ND	2.5	5	
Bromobenzene	ND	5.0	5		Ethylbenzene	ND	5.0	5	
Bromochloromethane	ND	5.0	5		2-Hexanone	ND	50	5	
Bromodichloromethane	ND	5.0	5		Isopropylbenzene	ND	5.0	5	
Bromoform	ND	5.0	5		p-Isopropyltoluene	ND	5.0	5	
Bromomethane	ND	50	5		Methylene Chloride	ND	50	5	
2-Butanone	ND	50	5		4-Methyl-2-Pentanone	ND	50	5	
n-Butylbenzene	ND	5.0	5		Naphthalene	ND	50	5	
sec-Butylbenzene	ND	5.0	5		n-Propylbenzene	ND	5.0	5	
tert-Butylbenzene	ND	5.0	5		Styrene	ND	5.0	5	
Carbon Disulfide	ND	50	5		1,1,1,2-Tetrachloroethane	ND	5.0	5	
Carbon Tetrachloride	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
Chlorobenzene	ND	5.0	5		Tetrachloroethene	140	5	5	
Chloroethane	ND	5.0	5		Toluene	ND	5.0	5	
Chloroform	60	5	5		1,2,3-Trichlorobenzene	ND	5.0	5	
Chloromethane	ND	50	5		1,2,4-Trichlorobenzene	ND	5.0	5	
2-Chlorotoluene	ND	5.0	5		1,1,1-Trichloroethane	ND	5.0	5	
4-Chlorotoluene	ND	5.0	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	5	
Dibromochloromethane	ND	5.0	5		1,1,2-Trichloroethane	ND	5.0	5	
1,2-Dibromo-3-Chloropropane	ND	25	5		Trichloroethene	490	5	5	
1,2-Dibromoethane	ND	5.0	5		Trichlorofluoromethane	ND	50	5	
Dibromomethane	ND	5.0	5		1,2,3-Trichloropropane	ND	25	5	
1,2-Dichlorobenzene	110	5	5		1,2,4-Trimethylbenzene	ND	5.0	5	
1,3-Dichlorobenzene	ND	5.0	5		1,3,5-Trimethylbenzene	ND	5.0	5	
1,4-Dichlorobenzene	12	5	5		Vinyl Acetate	ND	50	5	
Dichlorodifluoromethane	ND	5.0	5		Vinyl Chloride	ND	2.5	5	
1,1-Dichloroethane	11	5	5		p/m-Xylene	ND	5.0	5	
1,2-Dichloroethane	15	2	5		o-Xylene	ND	5.0	5	
1,1-Dichloroethene	11	5	5		Methyl-t-Butyl Ether (MTBE)	ND	5.0	5	
c-1,2-Dichloroethene	9.8	5.0	5		Tert-Butyl Alcohol (TBA)	ND	50	5	
t-1,2-Dichloroethene	ND	5.0	5		Diisopropyl Ether (DIPE)	ND	10	5	
1,2-Dichloropropane	ND	5.0	5		Ethyl-t-Butyl Ether (ETBE)	ND	10	5	
1,3-Dichloropropane	ND	5.0	5		Tert-Amyl-Methyl Ether (TAME)	ND	10	5	
2,2-Dichloropropane	ND	5.0	5		Ethanol	ND	500	5	
1,1-Dichloropropene	ND	5.0	5						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	113	74-140		1,2-Dichloroethane-d4	114	74-146	
Toluene-d8	96	88-112		1,4-Bromofluorobenzene	86	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/08/06
Work Order No: 06-12-0602
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-7s DUP	**06-12-0602-2**	**12/08/06**	**Aqueous**	**12/09/06**	**12/09/06**	**061209L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	250	5		c-1,3-Dichloropropene	ND	2.5	5	
Benzene	2.8	2.5	5		t-1,3-Dichloropropene	ND	2.5	5	
Bromobenzene	ND	5.0	5		Ethylbenzene	ND	5.0	5	
Bromochloromethane	ND	5.0	5		2-Hexanone	ND	50	5	
Bromodichloromethane	ND	5.0	5		Isopropylbenzene	ND	5.0	5	
Bromoform	ND	5.0	5		p-Isopropyltoluene	ND	5.0	5	
Bromomethane	ND	50	5		Methylene Chloride	ND	50	5	
2-Butanone	ND	50	5		4-Methyl-2-Pentanone	ND	50	5	
n-Butylbenzene	ND	5.0	5		Naphthalene	ND	50	5	
sec-Butylbenzene	ND	5.0	5		n-Propylbenzene	ND	5.0	5	
tert-Butylbenzene	ND	5.0	5		Styrene	ND	5.0	5	
Carbon Disulfide	ND	50	5		1,1,1,2-Tetrachloroethane	ND	5.0	5	
Carbon Tetrachloride	ND	2.5	5		1,1,2,2-Tetrachloroethane	ND	5.0	5	
Chlorobenzene	ND	5.0	5		Tetrachloroethene	150	5	5	
Chloroethane	ND	5.0	5		Toluene	ND	5.0	5	
Chloroform	29	5	5		1,2,3-Trichlorobenzene	ND	5.0	5	
Chloromethane	ND	50	5		1,2,4-Trichlorobenzene	ND	5.0	5	
2-Chlorotoluene	ND	5.0	5		1,1,1-Trichloroethane	ND	5.0	5	
4-Chlorotoluene	ND	5.0	5		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	5	
Dibromochloromethane	ND	5.0	5		1,1,2-Trichloroethane	ND	5.0	5	
1,2-Dibromo-3-Chloropropane	ND	25	5		Trichloroethene	540	5	5	
1,2-Dibromoethane	ND	5.0	5		Trichlorofluoromethane	ND	50	5	
Dibromomethane	ND	5.0	5		1,2,3-Trichloropropane	ND	25	5	
1,2-Dichlorobenzene	120	5	5		1,2,4-Trimethylbenzene	ND	5.0	5	
1,3-Dichlorobenzene	ND	5.0	5		1,3,5-Trimethylbenzene	ND	5.0	5	
1,4-Dichlorobenzene	13	5	5		Vinyl Acetate	ND	50	5	
Dichlorodifluoromethane	ND	5.0	5		Vinyl Chloride	ND	2.5	5	
1,1-Dichloroethane	12	5	5		p/m-Xylene	ND	5.0	5	
1,2-Dichloroethane	18	2	5		o-Xylene	ND	5.0	5	
1,1-Dichloroethene	12	5	5		Methyl-t-Butyl Ether (MTBE)	ND	5.0	5	
c-1,2-Dichloroethene	12	5	5		Tert-Butyl Alcohol (TBA)	ND	50	5	
t-1,2-Dichloroethene	ND	5.0	5		Diisopropyl Ether (DIPE)	ND	10	5	
1,2-Dichloropropane	ND	5.0	5		Ethyl-t-Butyl Ether (ETBE)	ND	10	5	
1,3-Dichloropropane	ND	5.0	5		Tert-Amyl-Methyl Ether (TAME)	ND	10	5	
2,2-Dichloropropane	ND	5.0	5		Ethanol	ND	500	5	
1,1-Dichloropropene	ND	5.0	5						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	117	74-140		1,2-Dichloroethane-d4	116	74-146	
Toluene-d8	96	88-112		1,4-Bromofluorobenzene	86	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/08/06
Work Order No: 06-12-0602
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-7d	**06-12-0602-3**	**12/08/06**	**Aqueous**	**12/09/06**	**12/09/06**	**061209L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	1000	20		c-1,3-Dichloropropene	ND	10	20	
Benzene	ND	10	20		t-1,3-Dichloropropene	ND	10	20	
Bromobenzene	ND	20	20		Ethylbenzene	ND	20	20	
Bromochloromethane	ND	20	20		2-Hexanone	ND	200	20	
Bromodichloromethane	ND	20	20		Isopropylbenzene	ND	20	20	
Bromoform	ND	20	20		p-Isopropyltoluene	ND	20	20	
Bromomethane	ND	200	20		Methylene Chloride	ND	200	20	
2-Butanone	ND	200	20		4-Methyl-2-Pentanone	ND	200	20	
n-Butylbenzene	ND	20	20		Naphthalene	ND	200	20	
sec-Butylbenzene	ND	20	20		n-Propylbenzene	ND	20	20	
tert-Butylbenzene	ND	20	20		Styrene	ND	20	20	
Carbon Disulfide	ND	200	20		1,1,1,2-Tetrachloroethane	ND	20	20	
Carbon Tetrachloride	ND	10	20		1,1,2,2-Tetrachloroethane	ND	20	20	
Chlorobenzene	ND	20	20		Tetrachloroethene	110	20	20	
Chloroethane	ND	20	20		Toluene	ND	20	20	
Chloroform	ND	20	20		1,2,3-Trichlorobenzene	ND	20	20	
Chloromethane	ND	200	20		1,2,4-Trichlorobenzene	ND	20	20	
2-Chlorotoluene	ND	20	20		1,1,1-Trichloroethane	ND	20	20	
4-Chlorotoluene	ND	20	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	200	20	
Dibromochloromethane	ND	20	20		1,1,2-Trichloroethane	ND	20	20	
1,2-Dibromo-3-Chloropropane	ND	100	20		Trichloroethene	1200	20	20	
1,2-Dibromoethane	ND	20	20		Trichlorofluoromethane	ND	200	20	
Dibromomethane	ND	20	20		1,2,3-Trichloropropane	ND	100	20	
1,2-Dichlorobenzene	220	20	20		1,2,4-Trimethylbenzene	ND	20	20	
1,3-Dichlorobenzene	ND	20	20		1,3,5-Trimethylbenzene	ND	20	20	
1,4-Dichlorobenzene	30	20	20		Vinyl Acetate	ND	200	20	
Dichlorodifluoromethane	ND	20	20		Vinyl Chloride	ND	10	20	
1,1-Dichloroethane	36	20	20		p/m-Xylene	ND	20	20	
1,2-Dichloroethane	170	10	20		o-Xylene	ND	20	20	
1,1-Dichloroethene	ND	20	20		Methyl-t-Butyl Ether (MTBE)	ND	20	20	
c-1,2-Dichloroethene	200	20	20		Tert-Butyl Alcohol (TBA)	ND	200	20	
t-1,2-Dichloroethene	ND	20	20		Diisopropyl Ether (DIPE)	ND	40	20	
1,2-Dichloropropane	22	20	20		Ethyl-t-Butyl Ether (ETBE)	ND	40	20	
1,3-Dichloropropane	ND	20	20		Tert-Amyl-Methyl Ether (TAME)	ND	40	20	
2,2-Dichloropropane	ND	20	20		Ethanol	ND	2000	20	
1,1-Dichloropropene	ND	20	20						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	119	74-140		1,2-Dichloroethane-d4	115	74-146	
Toluene-d8	96	88-112		1,4-Bromofluorobenzene	84	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received:	12/08/06
Work Order No:	06-12-0602
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
MW-6s	**06-12-0602-4**	**12/08/06**	**Aqueous**	**12/11/06**	**12/11/06**	**061211L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	1000	20		c-1,3-Dichloropropene	ND	10	20	
Benzene	17	10	20		t-1,3-Dichloropropene	ND	10	20	
Bromobenzene	ND	20	20		Ethylbenzene	ND	20	20	
Bromochloromethane	ND	20	20		2-Hexanone	ND	200	20	
Bromodichloromethane	ND	20	20		Isopropylbenzene	ND	20	20	
Bromoform	ND	20	20		p-Isopropyltoluene	ND	20	20	
Bromomethane	ND	200	20		Methylene Chloride	ND	200	20	
2-Butanone	ND	200	20		4-Methyl-2-Pentanone	ND	200	20	
n-Butylbenzene	ND	20	20		Naphthalene	ND	200	20	
sec-Butylbenzene	ND	20	20		n-Propylbenzene	ND	20	20	
tert-Butylbenzene	ND	20	20		Styrene	ND	20	20	
Carbon Disulfide	ND	200	20		1,1,1,2-Tetrachloroethane	ND	20	20	
Carbon Tetrachloride	ND	10	20		1,1,2,2-Tetrachloroethane	ND	20	20	
Chlorobenzene	ND	20	20		Tetrachloroethene	120	20	20	
Chloroethane	ND	20	20		Toluene	ND	20	20	
Chloroform	30	20	20		1,2,3-Trichlorobenzene	ND	20	20	
Chloromethane	ND	200	20		1,2,4-Trichlorobenzene	ND	20	20	
2-Chlorotoluene	ND	20	20		1,1,1-Trichloroethane	ND	20	20	
4-Chlorotoluene	ND	20	20		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	200	20	
Dibromochloromethane	ND	20	20		1,1,2-Trichloroethane	ND	20	20	
1,2-Dibromo-3-Chloropropane	ND	100	20		Trichloroethene	460	20	20	
1,2-Dibromoethane	ND	20	20		Trichlorofluoromethane	ND	200	20	
Dibromomethane	ND	20	20		1,2,3-Trichloropropane	ND	100	20	
1,2-Dichlorobenzene	ND	20	20		1,2,4-Trimethylbenzene	ND	20	20	
1,3-Dichlorobenzene	ND	20	20		1,3,5-Trimethylbenzene	ND	20	20	
1,4-Dichlorobenzene	ND	20	20		Vinyl Acetate	ND	200	20	
Dichlorodifluoromethane	ND	20	20		Vinyl Chloride	ND	10	20	
1,1-Dichloroethane	ND	20	20		p/m-Xylene	ND	20	20	
1,2-Dichloroethane	ND	10	20		o-Xylene	ND	20	20	
1,1-Dichloroethene	ND	20	20		Methyl-t-Butyl Ether (MTBE)	ND	20	20	
c-1,2-Dichloroethene	2300	20	20		Tert-Butyl Alcohol (TBA)	ND	200	20	
t-1,2-Dichloroethene	ND	20	20		Diisopropyl Ether (DIPE)	ND	40	20	
1,2-Dichloropropane	ND	20	20		Ethyl-t-Butyl Ether (ETBE)	ND	40	20	
1,3-Dichloropropane	ND	20	20		Tert-Amyl-Methyl Ether (TAME)	ND	40	20	
2,2-Dichloropropane	ND	20	20		Ethanol	ND	2000	20	
1,1-Dichloropropene	ND	20	20						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	74-140		1,2-Dichloroethane-d4	105	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	87	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received:	12/08/06
Work Order No:	06-12-0602
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
TB	**06-12-0602-5**	**12/08/06**	**Aqueous**	**12/09/06**	**12/09/06**	**061209L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	116	74-140		1,2-Dichloroethane-d4	114	74-146	
Toluene-d8	94	88-112		1,4-Bromofluorobenzene	84	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc		Date Received:	12/08/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0602
Fullerton, CA 92835-4127		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: Brenntag S.G. / 677.03.01			Page 6 of 7

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-19,855**	**N/A**	**Aqueous**	**12/09/06**	**12/09/06**	**061209L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	107	74-140		1,2-Dichloroethane-d4	103	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	87	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received:	12/08/06
Work Order No:	06-12-0602
Preparation:	EPA 5030B
Method:	EPA 8260B
Units:	ug/L

Project: Brenntag S.G. / 677.03.01

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-19,861**	**N/A**	**Aqueous**	**12/11/06**	**12/11/06**	**061211L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Acetone	ND	50	1		c-1,3-Dichloropropene	ND	0.50	1	
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	0.50	1	
Bromobenzene	ND	1.0	1		Ethylbenzene	ND	1.0	1	
Bromochloromethane	ND	1.0	1		2-Hexanone	ND	10	1	
Bromodichloromethane	ND	1.0	1		Isopropylbenzene	ND	1.0	1	
Bromoform	ND	1.0	1		p-Isopropyltoluene	ND	1.0	1	
Bromomethane	ND	10	1		Methylene Chloride	ND	10	1	
2-Butanone	ND	10	1		4-Methyl-2-Pentanone	ND	10	1	
n-Butylbenzene	ND	1.0	1		Naphthalene	ND	10	1	
sec-Butylbenzene	ND	1.0	1		n-Propylbenzene	ND	1.0	1	
tert-Butylbenzene	ND	1.0	1		Styrene	ND	1.0	1	
Carbon Disulfide	ND	10	1		1,1,1,2-Tetrachloroethane	ND	1.0	1	
Carbon Tetrachloride	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
Chlorobenzene	ND	1.0	1		Tetrachloroethene	ND	1.0	1	
Chloroethane	ND	1.0	1		Toluene	ND	1.0	1	
Chloroform	ND	1.0	1		1,2,3-Trichlorobenzene	ND	1.0	1	
Chloromethane	ND	10	1		1,2,4-Trichlorobenzene	ND	1.0	1	
2-Chlorotoluene	ND	1.0	1		1,1,1-Trichloroethane	ND	1.0	1	
4-Chlorotoluene	ND	1.0	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	1	
Dibromochloromethane	ND	1.0	1		1,1,2-Trichloroethane	ND	1.0	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	1		Trichloroethene	ND	1.0	1	
1,2-Dibromoethane	ND	1.0	1		Trichlorofluoromethane	ND	10	1	
Dibromomethane	ND	1.0	1		1,2,3-Trichloropropane	ND	5.0	1	
1,2-Dichlorobenzene	ND	1.0	1		1,2,4-Trimethylbenzene	ND	1.0	1	
1,3-Dichlorobenzene	ND	1.0	1		1,3,5-Trimethylbenzene	ND	1.0	1	
1,4-Dichlorobenzene	ND	1.0	1		Vinyl Acetate	ND	10	1	
Dichlorodifluoromethane	ND	1.0	1		Vinyl Chloride	ND	0.50	1	
1,1-Dichloroethane	ND	1.0	1		p/m-Xylene	ND	1.0	1	
1,2-Dichloroethane	ND	0.50	1		o-Xylene	ND	1.0	1	
1,1-Dichloroethene	ND	1.0	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	1	
c-1,2-Dichloroethene	ND	1.0	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
t-1,2-Dichloroethene	ND	1.0	1		Diisopropyl Ether (DIPE)	ND	2.0	1	
1,2-Dichloropropane	ND	1.0	1		Ethyl-t-Butyl Ether (ETBE)	ND	2.0	1	
1,3-Dichloropropane	ND	1.0	1		Tert-Amyl-Methyl Ether (TAME)	ND	2.0	1	
2,2-Dichloropropane	ND	1.0	1		Ethanol	ND	100	1	
1,1-Dichloropropene	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	101	74-140		1,2-Dichloroethane-d4	90	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	87	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/08/06
Work Order No: 06-12-0602
Preparation: EPA 3010A Total
Method: EPA 6010B

Project Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-7s	**Aqueous**	**ICP 3300**	**12/11/06**	**12/11/06**	**061211S06**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Antimony	104	104	72-132	1	0-10	
Arsenic	116	114	80-140	2	0-11	
Barium	110	110	87-123	0	0-6	
Beryllium	106	108	89-119	2	0-8	
Cadmium	106	107	82-124	1	0-7	
Chromium	104	104	86-122	0	0-8	
Cobalt	111	112	83-125	0	0-7	
Copper	105	110	78-126	2	0-7	
Lead	101	103	84-120	2	0-7	
Molybdenum	107	107	78-126	1	0-7	
Nickel	106	108	84-120	1	0-7	
Selenium	114	112	79-127	1	0-9	
Silver	113	113	86-128	0	0-7	
Thallium	83	83	79-121	1	0-8	
Vanadium	108	109	88-118	1	0-7	
Zinc	122	122	89-131	0	0-8	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ARCADIS G&M, Inc		Date Received:	12/08/06
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0602
Fullerton, CA 92835-4127		Preparation:	EPA 7470A Total
		Method:	EPA 7470A

Project Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-7s DUP	**Aqueous**	**Mercury**	**12/11/06**	**12/11/06**	**061211S05**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	100	100	80-120	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/08/06
Work Order No: 06-12-0602
Preparation: EPA 5030B
Method: EPA 8260B

Project Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-12-0502-8	**Aqueous**	**GC/MS T**	**12/09/06**	**12/09/06**	**061209S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	102	88-118	1	0-7	
Carbon Tetrachloride	97	94	67-145	3	0-11	
Chlorobenzene	103	100	88-118	3	0-7	
1,2-Dichlorobenzene	101	99	86-116	1	0-8	
1,1-Dichloroethene	100	96	70-130	4	0-25	
Toluene	98	96	87-123	2	0-8	
Trichloroethene	99	98	79-127	1	0-10	
Vinyl Chloride	82	81	69-129	2	0-13	
Methyl-t-Butyl Ether (MTBE)	93	91	71-131	3	0-13	
Tert-Butyl Alcohol (TBA)	74	77	36-168	4	0-45	
Diisopropyl Ether (DIPE)	111	107	81-123	3	0-9	
Ethyl-t-Butyl Ether (ETBE)	89	88	72-126	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	86	85	72-126	2	0-12	
Ethanol	104	94	53-149	10	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: 12/08/06
Work Order No: 06-12-0602
Preparation: EPA 5030B
Method: EPA 8260B

Project Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
06-12-0519-3	**Aqueous**	**GC/MS T**	**12/11/06**	**12/11/06**	**061211S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	109	111	88-118	2	0-7	
Carbon Tetrachloride	101	104	67-145	3	0-11	
Chlorobenzene	107	109	88-118	2	0-7	
1,2-Dichlorobenzene	107	109	86-116	2	0-8	
1,1-Dichloroethene	114	118	70-130	4	0-25	
Toluene	102	103	87-123	1	0-8	
Trichloroethene	104	105	79-127	1	0-10	
Vinyl Chloride	96	99	69-129	3	0-13	
Methyl-t-Butyl Ether (MTBE)	98	103	71-131	4	0-13	
Tert-Butyl Alcohol (TBA)	82	90	36-168	9	0-45	
Diisopropyl Ether (DIPE)	114	119	81-123	4	0-9	
Ethyl-t-Butyl Ether (ETBE)	93	98	72-126	5	0-12	
Tert-Amyl-Methyl Ether (TAME)	90	94	72-126	4	0-12	
Ethanol	104	115	53-149	10	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

ARCADIS G&M, Inc		Date Received:	N/A
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0602
Fullerton, CA 92835-4127		Preparation:	EPA 3010A Total
		Method:	EPA 6010B

Project: Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-003-6,698	**Aqueous**	**ICP 3300**	**12/11/06**	**061211-I-06**	**061211L06**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Antimony	0.500	0.491	98	80-120	
Arsenic	0.500	0.478	96	80-120	
Barium	0.500	0.528	106	80-120	
Beryllium	0.500	0.485	97	80-120	
Cadmium	0.500	0.515	103	80-120	
Chromium	0.500	0.503	101	80-120	
Cobalt	0.500	0.541	108	80-120	
Copper	0.500	0.489	98	80-120	
Lead	0.500	0.512	102	80-120	
Molybdenum	0.500	0.499	100	80-120	
Nickel	0.500	0.528	106	80-120	
Selenium	0.500	0.467	93	80-120	
Silver	0.250	0.248	99	80-120	
Thallium	0.500	0.530	106	80-120	
Vanadium	0.500	0.501	100	80-120	
Zinc	0.500	0.569	114	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ARCADIS G&M, Inc		Date Received:	N/A
1400 North Harbor Blvd., Suite 700		Work Order No:	06-12-0602
Fullerton, CA 92835-4127		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)

Project: Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-308-111	**Aqueous**	**GC 3**	**12/11/06**	**12/12/06**	**061211B11**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TPH as Diesel	96	106	75-117	9	0-13	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: N/A
Work Order No: 06-12-0602
Preparation: EPA 7470A Total
Method: EPA 7470A

Project: Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-04-008-2,763	**Aqueous**	**Mercury**	**12/11/06**	**12/11/06**	**061211L05**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	120	119	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received: N/A
Work Order No: 06-12-0602
Preparation: EPA 3520B
Method: EPA 8270C(M) Isotope Dilution

Project: Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-09-004-692	Aqueous	GC/MS J	12/10/06	12/12/06	061210L02D

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
1,4-Dioxane	107	103	50-130	4	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received:	N/A
Work Order No:	06-12-0602
Preparation:	EPA 5030B
Method:	EPA 8260B

Project: Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-19,855	Aqueous	GC/MS T	12/09/06	12/09/06	061209L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	100	102	84-120	1	0-8	
Carbon Tetrachloride	95	96	63-147	1	0-10	
Chlorobenzene	99	100	89-119	2	0-7	
1,2-Dichlorobenzene	97	100	89-119	3	0-9	
1,1-Dichloroethene	99	101	77-125	2	0-16	
Toluene	94	95	83-125	1	0-9	
Trichloroethene	96	98	89-119	2	0-8	
Vinyl Chloride	82	82	63-135	0	0-13	
Methyl-t-Butyl Ether (MTBE)	90	91	82-118	1	0-13	
Tert-Butyl Alcohol (TBA)	71	70	46-154	1	0-32	
Diisopropyl Ether (DIPE)	107	109	81-123	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	87	89	74-122	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	84	84	76-124	0	0-10	
Ethanol	96	96	60-138	1	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

ARCADIS G&M, Inc
1400 North Harbor Blvd., Suite 700
Fullerton, CA 92835-4127

Date Received:	N/A
Work Order No:	06-12-0602
Preparation:	EPA 5030B
Method:	EPA 8260B

Project: Brenntag S.G. / 677.03.01

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-19,861	**Aqueous**	**GC/MS T**	**12/11/06**	**12/11/06**	**061211L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	108	111	84-120	2	0-8	
Carbon Tetrachloride	103	103	63-147	0	0-10	
Chlorobenzene	106	107	89-119	1	0-7	
1,2-Dichlorobenzene	106	106	89-119	0	0-9	
1,1-Dichloroethene	117	117	77-125	1	0-16	
Toluene	102	104	83-125	2	0-9	
Trichloroethene	103	106	89-119	3	0-8	
Vinyl Chloride	100	99	63-135	1	0-13	
Methyl-t-Butyl Ether (MTBE)	100	99	82-118	1	0-13	
Tert-Butyl Alcohol (TBA)	77	80	46-154	4	0-32	
Diisopropyl Ether (DIPE)	118	116	81-123	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	98	98	74-122	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	91	93	76-124	2	0-10	
Ethanol	95	98	60-138	3	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 06-12-0602

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 12/8/06

Page 1 of 1

LABORATORY CLIENT: ARCADIS

ADDRESS: 1400 NORTH HARBOR BLVD

CITY: FULLERTON STATE: CAL ZIP: 92833

TEL: 714 278 0992 E-MAIL: LSTEVENS@ARCADIS-US.COM

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:

CLIENT PROJECT NAME / NUMBER: 677.03.01 BRENNTAG S.G

PROJECT CONTACT: GREG FOL

SAMPLER(S): (PRINT) JESSE E

COELT LOG CODE

P.O. NO.: 677.03.01

LAB USE ONLY: 12-0602

COOLER RECEIPT TEMP = °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or TPH C7→C36	BTEX / MTBE (8260B) or	OXYGENATES (8260B)	VOCs (8260B) Oxygenates	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)	1,4 Dioxan				
	MW-7S		12/8	0732	AQ	6		X			X					X				X				
	MW-7S Dup			0733				X			X					X				X				
	MW-7d			0833				X			X					X				X				
	MW-6S			0947				X			X					X				X				
	TB		12/8	—	AQ	3					X													

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
	CAL	12/8/06	15:35
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
		12/08/06	16:15
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/10/06 Revision

Q&Q Graphic 714-898-9702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 0 6 - 1 2 - 0 6 0 2

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: ARCADIS

DATE: 12/08/06

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
✓ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

3.2 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: BA

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓

Initial: BA

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace.	✓		
Tedlar bag(s) free of condensation			✓

Initial: BA

COMMENTS:

ARCADIS

Appendix C

IDW Disposal Documentation

NIETO & SONS TRUCKING, INC.

License # 673912
1281 Brea Canyon Road • Brea, CA 92821
Mail Address: P.O. Box 760 • Yorba Linda, CA 92885-0760
(714) 990-6855 • FAX (714) 990-4862

(2)

DAILY TICKET
DT 100801
JOB DATE 11 / 03 / 06

Su M Tu W Th (F) Sa

COMPANY SOLD TO	ORDER DATE	ORDER TIME	P.O. NUMBER
BELSHIRE ENVIRONMENTAL SERVICES	/ /		131288

ORDERED BY: LARRY/BRIAN

JOB SITE CONTACT: Thomas Guige L.A. 705-D-3

JOB SITE: Branntag, 4545 Ardine Street, South Gate

DRIVER	HELPER	TRUCK NO.	TRAILER NO.	TRUCK NO.	START TIME
Gil Perez	**********	215		**********	5:30 am

DESCRIPTION OF WORK REQUESTED

THERE AT: ~~7:00~~ 11:00 am or ASAP — Pump about 850 gallons from totes on site

XXX HAZ/NON-HAZ TO D/K — OFF LOAD ON SITE: ☐ YES ☐ XXX NO — 70 BBL / ~~100 BBL~~

ESTIMATED WELLS: ± Totes — WELL TRUCK: ☐ YES ☐ XX NO

EQUIPMENT NEEDED:

_____ STINGERS — AIR ASSIST REQUIRED: ☐ YES ☐ XX NO

_____ FEET OF EXTRA HOSE — BIO-SLURP: ☐ YES ☐ XX NO

(1)

DRIVER'S TIME REPORT

DATE	~~YARD~~ DEPART	JOB ARRIVE	JOB DEPART	DUMP SITE ARRIVE	DUMP SITE DEPART	YARD ARRIVE	LUNCH	TOTAL HOURS
11/03/06	10:30 am	11:15 am	12:15 pm				/	

WORK PERFORMED

MANIFEST #: 3169 — # OF GALLONS: 825 — # OF WELLS: ~~6~~ — # OF DRUMS: ~~6~~ — # OF TANKS: 3

AIR ASSIST LINE INSTALLED TODAY: ☐ YES ☑ NO — AIR ASSIST USED: ☐ YES ~~☐ NO~~ — SOLIDS/SILT ~~6~~ %

SPECIAL EQUIPMENT USED (HOSES, FITTINGS, STINGERS):

Pumped out 3 totes

STINGERS USED: ~~6~~

DRIVER SIGNATURE	TRUCK NUMBER	CUSTOMER SIGNATURE	DATE
[signature]	215	X [signature]	11/3/06

★★★ 24 HOUR SERVICE ★★★

CUSTOMER COPY

Prof# 279662-25 C-1 6.5 10.1

NO. 657274

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

NAME: BRENNTAG

EPA I.D NO: NOT REQUIRED

ADDRESS: 4545 ARDINE ST.

PROFILE NO:

CITY STATE ZIP: SOUTH GATE, CA 90280

PHONE NO: ( )

CONTAINERS: No. _____ VOLUME: 825 gallons WEIGHT: _____

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER ~~DECON RINSATE and/or~~ PURGED GROUNDWATER

WASTE DESCRIPTION: NON-HAZARDOUS WATER

GENERATING PROCESS:

	COMPONENTS OF WASTE	PPM	%
1	WATER		99-100%
2	TPH		< 1%
3			
4			
5			
6	Profile # 279662-25		
7	BESI# 131288.01		
8			

PROPERTIES: pH 7-10 ☐ SOLID ☒ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER _____

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PROTECTIVE CLOTHING

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

TYPED OR PRINTED FULL NAME & SIGNATURE: [signature] DATE: 11/3/06

TRANSPORTER

NAME: NIETO & SONS TRUCKING

EPA I.D NO:

ADDRESS: 1281 BREA CANYON ROAD

SERVICE ORDER NO:

CITY STATE ZIP: BREA, CA 92621

PICK UP DATE: 11/3/06

PHONE NO: 714-990-4862

TRUCK, UNIT, I.D. NO: 215

TYPED OR PRINTED FULL NAME & SIGNATURE: [signature] DATE: 11-3-06

TSD FACILITY

NAME: DeMENNO KERDOON

EPA I.D NO:

ADDRESS: 2000 N. ALAMEDA STREET

DISPOSAL METHOD: ☐ LANDFILL ☒ OTHER Recycler

CITY STATE ZIP: COMPTON, CA 90222

PHONE NO: 310-537-7100

FAC# 4545ARDI

ID# 201092

TYPED OR PRINTED FULL NAME & SIGNATURE: Gregory Wong [signature] DATE: 11/9/06

GEN	OLD/NEW	L	A	TONS
TRANS		S	B	
C/Q		RT/CD	HWDF NONE	DISCREPANCY