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30 April 2008

Mr. Roger Papler, P.G.
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

Subject: Results of First Quarter 2008 Groundwater Monitoring
Hopyard Cleaners, 2771 Hopyard Road, Pleasanton, California
Self-Monitoring Program No. R2-2006-0059

Dear Mr. Papler:

On behalf of the property owner, Ms. Clare Leung, Geosyntec Consultants (Geosyntec) prepared the first quarter 2008 groundwater monitoring report for Hopyard Cleaners, 2771 Hopyard Road, in Pleasanton, California (the "Site"). A site location map is provided in Figure 1. The work described in this report was performed in compliance with the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB) Order No. R2-2006-0059.

The monitoring well network at the Site consists of five wells (MW-1 through MW-5). Wells MW-1 through MW-4 were installed in the shallow groundwater zone beneath the Site (less than 35 feet below ground surface (ft bgs). Well MW-5 was installed to 60 feet bgs, in a deeper groundwater zone. Well completion details are summarized in Table 1. Well locations relative to the Site are shown on Figure 2. Wells MW-1 through MW-3 were installed in September 2006. Wells MW-4 and MW-5 were installed in July 2007.

WORK PERFORMED THIS QUARTER

The first quarter groundwater monitoring event was performed on 15 February 2008. This work is discussed in detail in the following section. The first passive diffusion bag (PDB) sampler comparison study was conducted on 29 February 2008 and is also discussed in this report.

The *Fact Sheet – Proposed Cleanup Plan* and the *Tentative Order – Final Site Cleanup Requirements* prepared by the RWQCB were mailed to residents within 500 feet of the Site in the week of 21 April 2008.

QUARTERLY GROUNDWATER MONITORING

Quarterly groundwater monitoring was performed at the Site on 15 February 2008. Details are described below.

Sampling and Analytical Procedures

The groundwater sampling fieldwork was performed by Environmental Sampling Services, Inc. (ESS), of Martinez, California. ESS's report, including field procedures and sampling logs, is provided in Attachment 1. Samples were hand-delivered to Test America of Pleasanton, California for analysis. Groundwater samples from the Site monitoring wells were analyzed for volatile organic compounds (VOCs) by EPA Method 8260B.

Groundwater Elevations and Flow Conditions

Table 2 summarizes groundwater elevations measured during this and previous sampling events. Groundwater in the shallow zone (MW-1 through MW-4) beneath the Site was encountered between approximately 10.87 and 12.05 feet bgs. These depths correspond to groundwater elevations between 314.22 and 314.82 feet above Mean Sea Level (MSL). Groundwater in the deeper zone monitored by MW-5 was encountered at 19.74 feet bgs, which corresponds to an elevation of 307.45 feet MSL.

Water level measurements taken during the first quarter 2008 event were used to construct groundwater elevation contours, as shown in Figure 2. The water levels measured in the Site monitoring wells in first quarter 2008 indicate a general groundwater flow to the northwest with an average gradient of 0.0038 ft/ft (20.5 ft/mile).

Data QA/QC

Geosyntec performed a quality assurance/quality control (QA/QC) review of the analytical data. Data were reviewed for completeness, accuracy, precision, sample contamination, conformance with holding times, and detection limits within acceptable ranges. Based on this review, the data are acceptable.

Analytical Results

Laboratory analytical reports are provided in Attachment 2. Table 3 summarizes analytical results for groundwater samples collected during the first quarter 2008 event together with historical results. Analytical results for the current sampling event are also shown on Figure 2. Isoconcentration contour maps for tetrachloroethene (PCE) and trichloroethene (TCE) are shown on Figures 3 through 5. The isoconcentration contours were drawn using current data from monitoring wells along with results from grab groundwater samples previously collected at the Site.

This is the sixth monitoring event since wells MW-1 through MW-3 were installed in September 2006 and the third monitoring event for wells MW-4 and MW-5. Analytical results for samples taken from the five monitoring wells showed the highest VOC concentrations at MW-2. The PCE and TCE concentrations at well MW-2 were 4,100 and 320 micrograms per liter (µg/L), respectively. These results are slightly lower than previous results for samples from this well, which ranged from 4,700 to 8,200 µg/L and 350 to 590 µg/L for PCE and TCE, respectively.

PASSIVE DIFFUSION BAG SAMPLER STUDY

The PDB sampler study was proposed in the *Results of Forth Quarter 2007 Groundwater Monitoring* report submitted to the RWQCB on 31 January 2008[1] and was verbally approved by the RWQCB in a conference call on 12 March 2008.

PDB samplers have been shown to provide data of comparable quality to conventional purging and sampling with a peristaltic pump. The use of PDB samplers reduces the volume of groundwater produced during purging prior to sample collection and reduces the amount of time required for sampling. Also, this Site is located in a heavily trafficked area, and the use of PDBs would significantly reduce traffic disruption and the need for traffic control.

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[1] Geosyntec Consultants, 2008. *Results of the Fourth Quarter 2007 Groundwater Monitoring, Hopyard Cleaners, 2771 Hopyard Road, Pleasanton, California, Self-Monitoring Program No. R2-2006-0059,* 31 January 2008.

General Information on PDBs

The PDB technique employs a diffusive-membrane bag that is filled by the manufacturer with analyte-free, deionized water, sealed, mounted to a weighted line, and suspended at a specified depth within a monitoring well. Over a relatively short period of time (within a week or two), VOCs in the groundwater diffuse across the membrane and VOC concentrations within the bag attain equilibrium with the groundwater flowing through the screen of the monitoring well. At any time after equilibration, the bag is retrieved, opened, and the contents are poured into a sample container (e.g. VOA vial) in a manner similar to the use of a bailer. The technique eliminates the need for purging, which helps to minimize the influence of turbidity on the sample integrity and reduces purge water waste. Passive diffusion samplers are disposable and thus reduce the risk of cross-contamination that results from incomplete decontamination of traditional samplers.

Deployment and Sampling Procedures

Comparison sampling at the Site was proposed to be conducted for two monitoring events, during the first and second quarter 2008. Sampling procedures for the first quarter 2008 are described below.

During the first quarter 2008 sampling event, the PDBs were deployed in all five wells after the first quarter 2008 sampling was performed via peristaltic pump on 15 February 2008. The PDB samplers were deployed at a specific depth in each well depending on the location of the water-bearing zone, as logged during well installation and previous investigations. Two PDBs were deployed in MW-5 during this first sampling event, because the water bearing zone exceeds five feet in thickness[2]. These PDBs were placed at different depths to assess whether stratification occurs within the water-bearing zone. Subsequent PDBs would then be deployed at the depth with the highest observed concentrations or in the middle of the water-bearing zone if the concentrations are similar. Table 4 provides the PDB deployment depth(s) for each well during the first quarter 2008 sampling event.

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[2] United States Geologic Survey (USGS), 2001a, *User's Guide for Polyethylene-Based Passive Diffusion Bag Samplers to Obtain Volatile Organic Compound Concentrations in Wells, Part 1: Deployment, Recovery, Data Interpretation, and Quality Control and Assurance, Water Resource Investigations Report 01-4060. Part 2: Field Tests, Water-Resources Investigations Report 01-4061.*

The PDBs remained in the wells for a period of two weeks. ESS removed the PDBs and immediately sampled them on 29 February 2008. All samples were hand delivered to the analytical laboratory under standard chain of custody procedures and analyzed for VOCs by EPA Method 8260B. The field report and laboratory analytical results of the first quarter 2008 PDB comparison sampling are provided in Attachment 3.

Results of First Quarter 2008 PDB Comparison Study

A summary of analytical results for the first quarter 2008 PDB sampling in comparison to the first quarter 2008 groundwater sampling results via peristaltic pump are provided on Table 5. In general, cis-1,2-DCE, PCE, and TCE concentrations were slightly higher in samples collected from PDBs. Sample results reported as non detect using the conventional sampling method were also non detect using a PDB as the sampling method. In MW-5, concentrations in PDB samples collected from the shallow (52.5 ft bgs) and deep (57.5 ft bgs) PDBs were similar with the relative percent difference in PCE concentration less than 30%. This indicates that there is little to no stratification in MW-5, and PDBs will be deployed in the center of the MW-5 well screen (at 55 ft bgs) for the second quarter 2008 monitoring via PDB.

FUTURE WORK

Additional characterization of the deeper groundwater downgradient of the Site will be conducted during the second quarter 2008, as outlined by the *Revised Groundwater Characterization Work Plan – Deeper Zone* submitted to the RWQCB on 29 February 2008[3].

A human health risk assessment is currently being conducted. Results will be reported to the RWQCB in the *Revised Remedial Action Plan.*

The next quarterly groundwater monitoring event will be performed in the second quarter 2008. New PDBs will be deployed in the wells for the second quarter 2008 sampling event at least two weeks before sampling. During the second quarter 2008 sampling event, PDBs will be removed from the wells and sampled, prior to sampling via peristaltic pump. The results of the quarterly

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[3] Geosyntec Consultants, 2008. *Revised Groundwater Characterization Work Plan – Deeper Zone, Hopyard Cleaners, 2771 Hopyard Road, Pleasanton, California,* 29 February 2008.

monitoring and PDB study will be discussed in the second quarter 2008 monitoring report due to the RWQCB on 31 July 2008.

If you have any questions, please call Angela Liang at (510) 285-2700.

Sincerely,

Melissa Asher

Melissa Asher
Senior Staff Engineer

Hanchih (Angela) Liang, Ph.D., P.E.
Senior Engineer

Attachments:

Table 1	Well Construction Summary
Table 2	Groundwater Elevations
Table 3	Groundwater Analytical Summary
Table 4	PDB Deployment Information – PDB Study
Table 5	PDB Study Analytical Summary
Figure 1	Site Location
Figure 2	First Quarter 2008 Groundwater Elevation Contours and Analytical Results
Figure 3	First Quarter 2008 PCE Isoconcentration Contours in Groundwater at 20 to 30 ft bgs
Figure 4	First Quarter 2008 PCE Isoconcentration Contours in Groundwater at 40 to 60 ft bgs
Figure 5	First Quarter 2008 TCE Isoconcentration Contours in Groundwater at 20 to 30 ft bgs
Attachment 1	Environmental Sampling Services Field Report

Attachment 2	Laboratory Analytical Report
Attachment 3	PDB Study Field and Laboratory Analytical Reports

Copy with Attachments: Ms. Clare Leung, Hopyard Cleaners
Ms. Joy Ricigliano, Zurich Insurance
Mr. Mark Peterson, GES
Mr. Wyman Hong, Zone 7 Water Agency
Mr. Jerry Wickham, Alameda County Environmental Health
Ms. Danielle Stefani, City of Pleasanton Fire Department
Mr. William Henderlong, Town & Country Properties

TABLES

Table 1
Monitoring Well Construction Summary
Hopyard Cleaners
Pleasanton, California

Well I.D.	Date of Completion	Northing	Easting	TOC Elevation (MSL)	Total Depth (ft bgs)		Screen Interval Depth (ft bgs)		Well Casing Material	Well Diameter (inches)
					Borehole	Well	Top	Bottom		
MW-1	9/29/2006	2071427.29	6157712.24	325.77	30	30	20.00	30.00	SCH 40 PVC	2
MW-2	9/26/2006	2071357.03	6157791.18	325.69	30	30	20.00	30.00	SCH 40 PVC	2
MW-3	9/27/2006	2071461.21	6157787.94	326.27	30	30	20.00	30.00	SCH 40 PVC	2
MW-4	7/20/2007	2071382.30	6157557.57	326.27	36.5	35	25.00	35.00	SCH 40 PVC	2
MW-5*	7/19/2007	2071292.25	6157654.24	327.19	60	60	50.00	60.00	SCH 40 PVC	2

Notes:
ft bgs = feet below ground surface
MSL = mean sea level
TOC = Top of Casing
Elevations are based on NAVD 88 Datum
* Conductor casing was installed from 0 to 40 ft bgs at MW-5.

Table 2
Groundwater Elevations
Hopyard Cleaners
Pleasanton, California

Well I.D. (Screen Interval)	TOC Elevation (ft MSL)	Sample Date	Depth to Groundwater Below TOC (ft)	Groundwater Elevation (ft MSL)
MW-1 (20-30 ft bgs)	325.77	2/15/2008	11.38	314.39
		1/3/2008	13.63	312.14
		8/3/2007	14.40	311.37
		5/11/2007	12.27	313.50
		2/9/2007	13.98	311.79
		11/20/2006	14.88	310.89
MW-2 (20-30 ft bgs)	325.69	2/15/2008	10.87	314.82
		1/3/2008	13.21	312.48
		8/3/2007	13.72	311.97
		5/11/2007	11.87	313.82
		2/9/2007	13.55	312.14
		11/20/2006	14.36	311.33
MW-3 (20-30 ft bgs)	326.27	2/15/2008	11.68	314.59
		1/3/2008	14.02	312.25
		8/3/2007	14.68	311.59
		5/11/2007	12.72	313.55
		2/9/2007	14.41	311.86
		11/20/2006	15.28	310.99
MW-4 (25-35 ft bgs)	326.27	2/15/2008	12.05	314.22
		1/3/2008	14.73	311.54
		8/3/2007	15.85	310.42
MW-5 (50-60 ft bgs)	327.19	2/15/2008	19.74	307.45
		1/3/2008	22.65	304.54
		8/3/2007	30.51	296.68

Notes:
ft MSL = feet above mean sea level
TOC = Top of Casing
ft bgs = feet below ground surface
Elevations are based on NAVD 88 Datum

Table 3
Groundwater Analytical Summary
Hopyard Cleaners
Pleasanton, California

Well I.D. (Screen Interval)	Sample Date	Sampling Method	Volatile Organic Compounds -		
			cis-1,2-DCE	PCE	TCE
MW-1 (20-30 ft bgs)	2/15/2008	Purge and Sample	230	1,400	250
	1/2/2008	Purge and Sample	230	1,600	270
	8/3/2007	Purge and Sample	260	1,600	270
	5/11/2007	Purge and Sample	310	2,500	310
	2/9/2007	Purge and Sample	270 / 270	2,400 / 2,300	290 / 290
	11/20/2006	Purge and Sample	370	3,100	370
MW-2 (20-30 ft bgs)	2/15/2008	Purge and Sample	690 / 690	4,100 / 4,000	320 / 300
	1/2/2008	Purge and Sample	940 / 890	8,200 / 8,200	560 / 580
	8/3/2007	Purge and Sample	1,200 / 1,100	8,000 / 8,100	590 / 570
	5/11/2007	Purge and Sample	1,000 / 980	7,200 / 7,300	490 / 450
	2/9/2007	Purge and Sample	760	4,700	350
	11/20/2006	Purge and Sample	800 / 800	5,700 / 5,800	370 / 360
MW-3 (20-30 ft bgs)	2/15/2008	Purge and Sample	6.2	44	5.1
	1/2/2008	Purge and Sample	5.2	46	4.6
	8/3/2007	Purge and Sample	4.7	37	4.2
	5/11/2007	Purge and Sample	5.5	43	4.4
	2/9/2007	Purge and Sample	5.3	42	4.2
	11/20/2006	Purge and Sample	10	93	7.2
MW-4 (25-35 ft bgs)	2/15/2008	Purge and Sample	4.2	<0.50	4.0
	1/3/2008	Purge and Sample	4.2	<0.50	3.5
	8/3/2007	Purge and Sample	4.6	<0.50	3.5
MW-5 (50-60 ft bgs)	2/15/2008	Purge and Sample	<0.50	26	<0.50
	1/3/2008	Purge and Sample	<0.50	38	<0.50
	8/3/2007	Purge and Sample	<0.50	37	<0.50

Notes:
Table shows only compounds detected above the laboratory reporting limit
cis-1,2-DCE - cis-1,2-dichloroethene
PCE - tetrachloroethene
TCE - trichloroethene
"-- / --" - result on right represents duplicate sample
ft bgs = feet below ground surface

Table 4
PDB Deployment Infromation - PDB Study
Hopyard Cleaners
Pleasanton, California

Well ID	Screen Interval (ft bgs)	Water-bearing Zone (ft bgs)	PDB Deployment Depth (ft bgs)*	Comments
MW-1	20 - 30	24 - 26**	25.0	PDB to be deployed in center of 2 feet thick water-bearing zone
MW-2	20 - 30	23 - 28	25.5	PDB to be deployed in center of 5 feet thick water-bearing zone
MW-3	20 - 30	24 - 26**	25.0	PDB to be deployed in center of 2 feet thick water-bearing zone
MW-4	25 - 35	25 - 30	27.5	PDB to be deployed in center of 5 feet thick water-bearing zone
MW-5	50 - 60	50 - 60	52.5	Water-bearing zone spans 10 feet. Therefore, two PDBs will be deployed for 1st Quarter 2008: one for 50-55 ft bgs and one for 55-60 ft bgs
			57.5	

* Depth provided is depth below ground surface of the center of the 24-inch PDB

** Stratigraphy based on soil electrical conductivity responses at MIP borings near well

Boring logs are provided in Appendix A

ft bgs - feet below ground surface

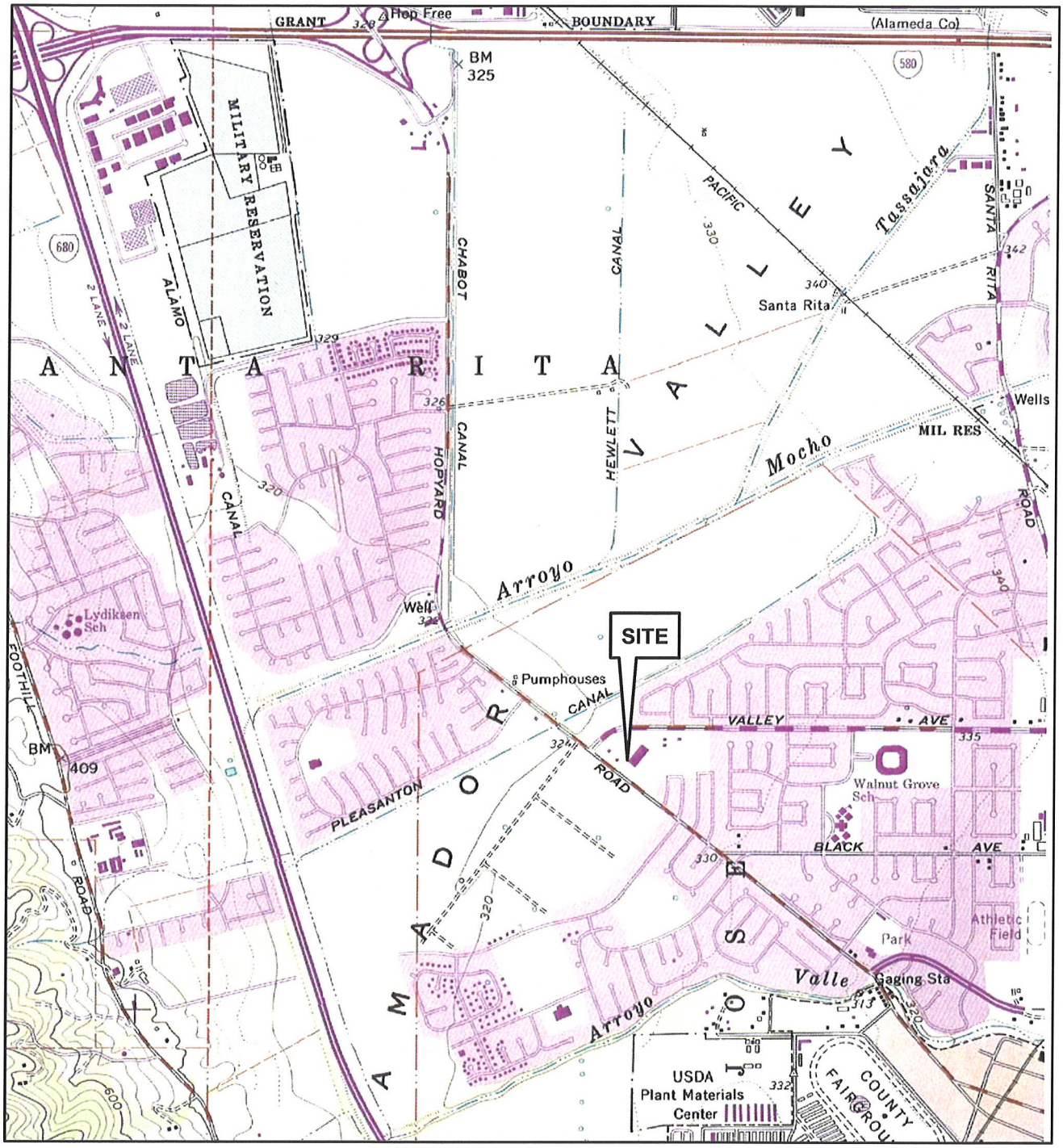
PDB - Passive Diffision Bag

Table 5
PDB Study Analytical Summary
Hopyard Cleaners
Pleasanton, California

Well I.D.	Sample Date	Sampling Method	Volatile Organic Compounds -		
			cis-1,2-DCE	PCE	TCE
MW-1	2/29/2008	PDB (25.0 ft bgs)	330	2,000	330
	2/15/2008	Purge and Sample	230	1,400	250
MW-2	2/29/2008	PDB (25.5 ft bgs)	780	5,300	360
	2/15/2008	Purge and Sample	690 / 690	4,100 / 4,000	320 / 300
MW-3	2/29/2008	PDB (25.0 ft bgs)	6.9	58	5.9
	2/15/2008	Purge and Sample	6.2	44	5.1
MW-4	2/29/2008	PDB (27.5 ft bgs)	3.4	<0.50	3.0
	2/15/2008	Purge and Sample	4.2	<0.50	4.0
MW-5	2/29/2008	PDB (52.5 ft bgs)	<0.50	41	<0.50
	2/29/2008	PDB (57.5 ft bgs)	<0.50	33	<0.50
	2/15/2008	Purge and Sample	<0.50	26	<0.50

Notes:
Table shows only compounds detected above the laboratory reporting limit
cis-1,2-DCE - cis-1,2-dichloroethene
PCE - tetrachloroethene
TCE - trichloroethene

FIGURES



Topo Source: U.S.G.S 7.5 Minute Series,
Dublin, CA Quadrangle (1980)
Contour Interval = 40 Feet

SITE LOCATION MAP
HOPYARD CLEANERS
2771 HOPYARD ROAD
PLEASANTON, CALIFORNIA

N

0 1,000 2,000 Feet

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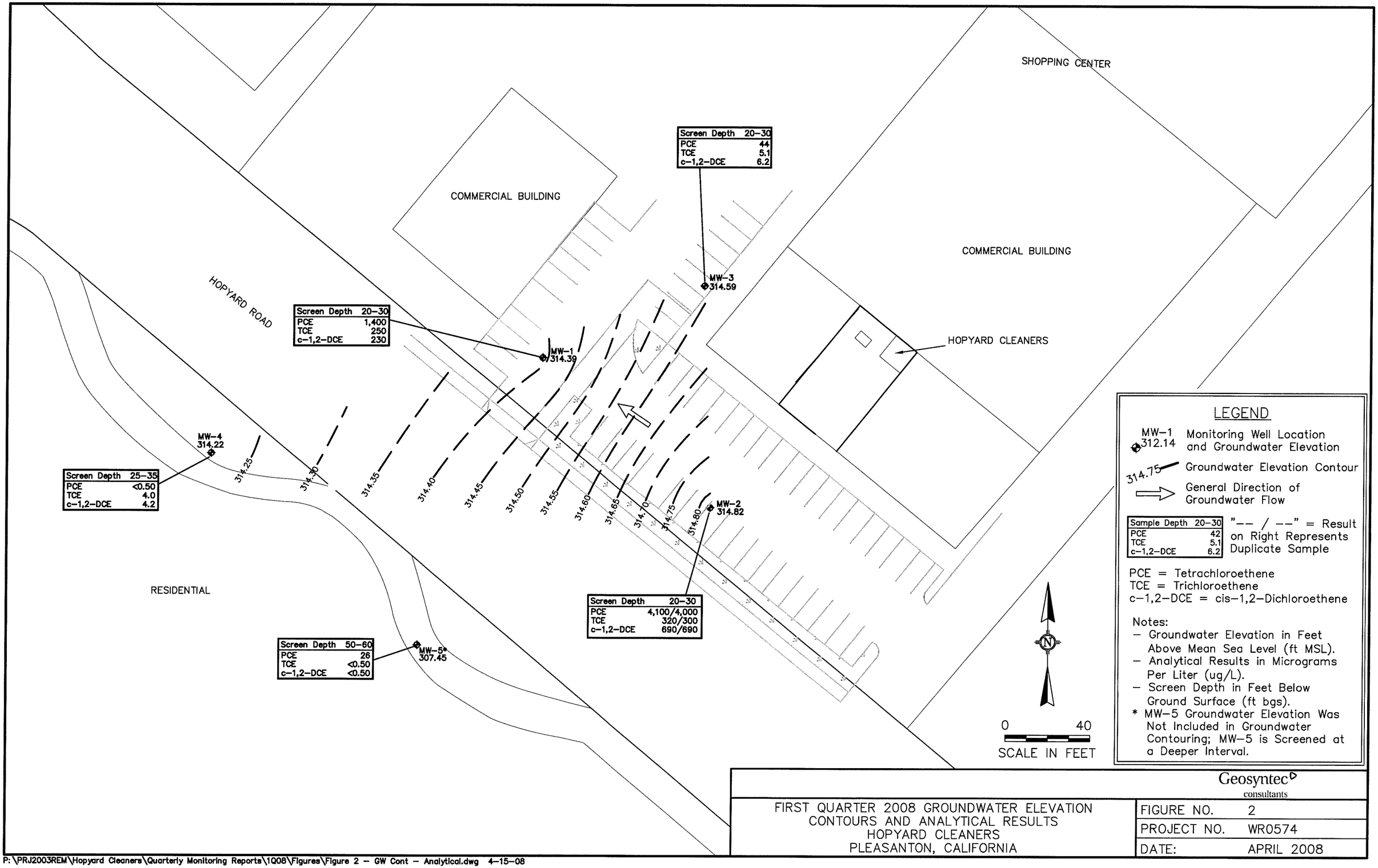
FIGURE NO.	1
PROJECT NO.	WR0574
DATE:	APRIL 2008

P:\GIS\Hopyard\Project\Figure1.mxd



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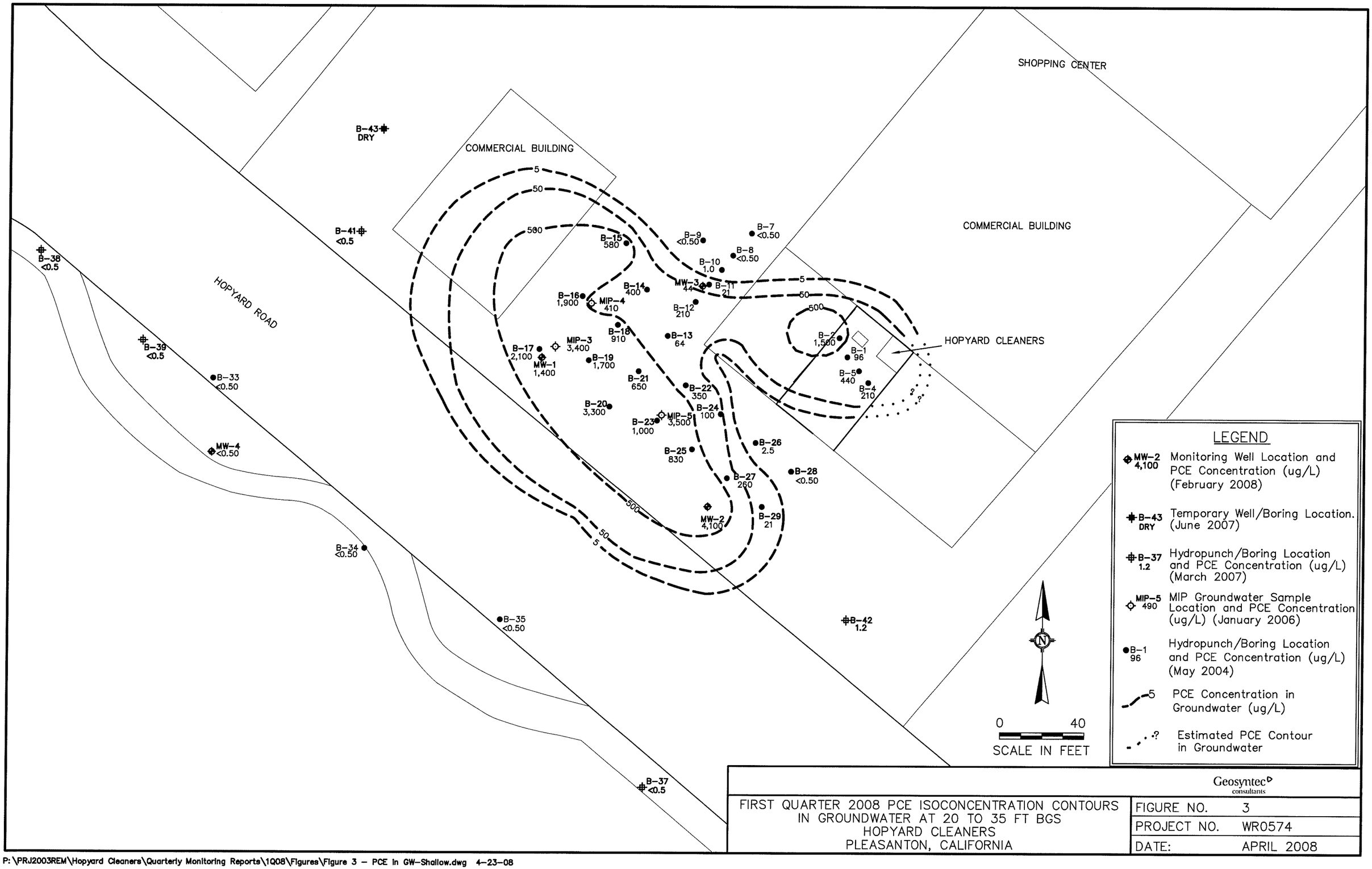
FIRST QUARTER 2008 GROUNDWATER ELEVATION
CONTOURS AND ANALYTICAL RESULTS
HOPYARD CLEANERS
PLEASANTON, CALIFORNIA

FIGURE NO.	2
PROJECT NO.	WR0574
DATE:	APRIL 2008

P:\PRJ2003REM\Hopyard Cleaners\Quarterly Monitoring Reports\1Q08\Figures\Figure 2 – GW Cont – Analytical.dwg 4–15–08



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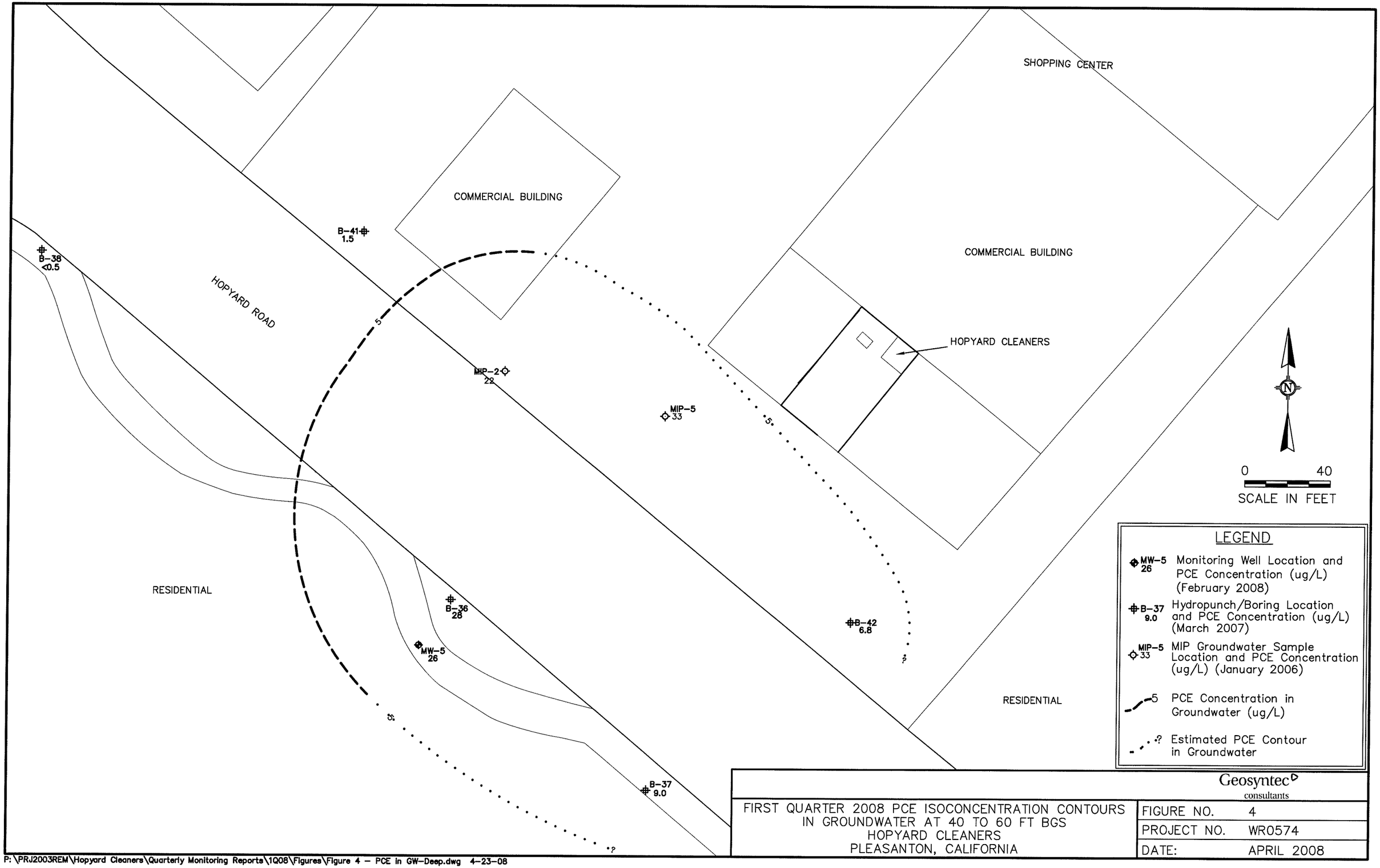
FIRST QUARTER 2008 PCE ISOCONCENTRATION CONTOURS IN GROUNDWATER AT 20 TO 35 FT BGS
HOPYARD CLEANERS
PLEASANTON, CALIFORNIA

FIGURE NO.	3
PROJECT NO.	WR0574
DATE:	APRIL 2008

P:\PRJ2003REM\Hopyard Cleaners\Quarterly Monitoring Reports\1Q08\Figures\Figure 3 – PCE in GW–Shallow.dwg 4–23–08



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FIRST QUARTER 2008 PCE ISOCONCENTRATION CONTOURS
IN GROUNDWATER AT 40 TO 60 FT BGS
HOPYARD CLEANERS
PLEASANTON, CALIFORNIA

FIGURE NO.	4
PROJECT NO.	WR0574
DATE:	APRIL 2008

P:\PRJ2003REM\Hopyard Cleaners\Quarterly Monitoring Reports\1Q08\Figures\Figure 4 – PCE in GW-Deep.dwg 4-23-08

SHOPPING CENTER

COMMERCIAL BUILDING

COMMERCIAL BUILDING

HOPYARD ROAD

HOPYARD CLEANERS

B-43 DRY

B-41 <0.5

B-38 <0.5

B-39 <0.5

B-33 3.3

MW-4 4.0

B-34 <0.50

B-35 <0.50

B-37 <0.5

B-42 <0.5

B-15 78

B-9 <0.50

B-7 <0.50

B-8 <0.50

B-10 <0.50

B-14 86

MW-3 5.1

B-11 0.97

B-16 310

MIP-4 88

B-12 32

B-18 160

B-13 30

B-17 320

MIP-3 190

MW-1 250

B-19 310

B-21 99

B-22 53

B-20 440

MIP-5 490

B-23 150

B-24 20

B-25 170

B-26 <0.50

B-28 <0.50

B-27 69

MW-2 320

B-29 2.9

B-2 16

B-1 3.1

B-5 20

B-4 17

5

50

?

0 40

SCALE IN FEET

LEGEND

- MW-2 320 — Monitoring Well Location and TCE Concentration (ug/L) (February 2008)
- B-43 DRY — Temporary Well/Boring Location. (June 2007)
- B-37 <0.5 — Hydropunch/Boring Location and TCE Concentration (ug/L) (March 2007)
- MIP-5 490 — MIP Groundwater Sample Location and TCE Concentration (ug/L) (January 2006)
- B-35 <0.50 — Grab Groundwater/Boring Location and TCE Concentration (ug/L) (January 2005)
- B-1 3.1 — Hydropunch/Boring Location and TCE Concentration (ug/L) (May 2004)
- 5 — TCE Concentration in Groundwater (ug/L)
- ? — Estimated TCE Contour in Groundwater

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FIRST QUARTER 2008 TCE ISOCONCENTRATION CONTOURS IN GROUNDWATER AT 20 TO 35 FT BGS
HOPYARD CLEANERS
PLEASANTON, CALIFORNIA

FIGURE NO.	5
PROJECT NO.	WR0574
DATE:	APRIL 2008

P:\PRJ2003REM\Hopyard Cleaners\Quarterly Monitoring Reports\1Q08\Figures\Figure 5 – TCE in GW–Shallow.dwg 4–23–08

ATTACHMENT 1
ESS FIELD REPORT

Environmental Sampling Services

February 22, 2008

Ms. Melissa Asher
GeoSyntec Consultants
475-14th Street, Suite 450
Oakland, California 94612

SUBJECT: February 2008 Quarterly Groundwater Monitoring Event for Hopyard Cleaners, Pleasanton, California

Dear Ms. Asher,

Please find enclosed the Field Activity Report for the quarterly groundwater monitoring event at 2771 Hopyard Road that occurred February 15, 2008.

If you have any questions or concerns regarding this Field Activity Report, please do not hesitate to call me.

Sincerely,

Jacqueline Lee
Partner

Enclosure

6680 Alhambra Ave., #102 • Martinez, CA 94553-6105 • (925) 372-8108 • Fax: (925) 372-6705
www.envsampling.com

FIELD ACTIVITY REPORT
FOR

FEBRUARY 2008
QUARTER GROUNDWATER
MONITORING EVENT

HOPYARD CLEANERS
2771 HOPYARD ROAD
PLEASANTON, CALIFORNIA

Prepared for: GeoSyntec Consultants
475-14th Street, Suite 450
Oakland, California 94612

Date Prepared: February 22, 2008

Environmental
Sampling Services

FIELD ACTIVITY REPORT
FOR

FEBRUARY 2008
QUARTERLY GROUNDWATER
MONITORING EVENT

HOPYARD CLEANERS
2771 HOPYARD ROAD
PLEASANTON, CALIFORNIA

Task: Quarterly Groundwater Sampling Event
ESS Personnel: Jacqueline Lee
Date of Activities: February 15, 2008

Decontamination Procedures

All downhole equipment was cleaned with Liqui-Nox® laboratory-grade soap, potable water, and rinsed with distilled water prior to use and between each monitoring well.

Groundwater Level Measurements

Depth to groundwater for five monitoring wells were measured and recorded following atmospheric equilibration of approximately thirty minutes. All readings were performed with a Solinst® Water Level Meter, Serial Number 21754, and referenced to the surveyor's mark or north rim at the top of PVC well casing (Table 1). Three successive readings that agreed to within one-hundredth of a foot determined depth to groundwater.

Organic vapor readings were not required.

Field Equipment and Calibration

pH, Specific Conductance, Temperature, Dissolved Oxygen, and Oxidation Reduction Potential (ORP) were monitored with a YSI® multiparameter meter equipped with an in-line flow through cell. Turbidity readings were measured with a HF Scientific Turbidity meter.

Equipment calibration was performed in accordance with the instrument's calibration and operating procedures. Calibration was performed prior to any monitoring activites (see Daily Equipment Calibration Sheet).

Solution standards: pH 4, 7, and 10, Specific Conductance @ 1,000 uS/cm, and Zobell for ORP were used for calibration purposes. Turbidity was checked against a 0.02 NTU standard. All equipment calibrated and functioned properly during monitoring activities.

Environmental
Sampling Services

Water Quality Parameters

During purging activites, pH, Specific Conductance (uS), Temperature (Celsius), Dissolved Oxygen (mg/L), Oxidation/Reduction Potential (mV), and physical characteristics such as pumping water level, color, and odor (see Water Quality Sample Log Sheets) were monitored and recorded (see Water Quality Log Sheets).

Well Purging & Sampling Procedures

A peristaltic pump with dedicated or new pump tubing was used to purge and sample MW-1 through MW-5. Each monitoring well was purged at a rate no greater than 500-ml per minute until water quality parameters stabilized for three consecutive readings.

EPA stabilization guidelines for low-flow sampling were used. The following criteria were used: ± 0.1 for pH, ± 3 % for Specific Conductivity, ± 10% for Dissolved Oxygen, ± 10 mV for ORP, and ± 10 NTUs for Turbidity.

Groundwater samples were collected immediately following stabilization of water quality parameters by disconnecting the tubing from the flow through chamber.

All sample labels were completed with waterproof ink and affixed to sample containers.

During sample collection, all 40-ml VOA sample containers were slightly tilted to avoid aeration or degassing. Each sample container was inverted and tapped lightly to check for air bubbles. The absence of air bubbles indicated a successful seal.

All sample containers were wiped dry, sealed in Ziploc® bags, and placed a chilled cooler for storage and shipment to the laboratory.

Laboratory

TestAmerica of Pleasanton, California provided all sample containers, deionized water for QA/QC purposes, and conducted all laboratory analyses.

All wells were sampled for Volatile Organic Compounds (VOC) by EPA Method 8260B.

Sample Containers

Each VOC sample set was contained in three, 40-ml VOA clear glass containers preserved with hydrochloric acid.

Quality Assurance /Quality Control Samples

All QA/QC samples were submitted to TestAmerica for analysis.

One Trip Blank set was stored in the cooler throughout the sampling event.

One blind duplicate set was collected from MW-2 and labeled "MW-DUP @ 15:26".

An equipment blank set was collected. Laboratory supplied deionized water and a short section of downhole and silicon tubing was used. The deionized water was pumped directly into the sample containers. The equipment blank was labeled "EB-1 @ 12:31".

No other QA/QC samples were requested.

Passive Diffusion Bag Sampler Installation

After completion of sample collection, a new Passive Diffusion Bag Sampler Bag (PDBS) was inserted into each well. Each PDB is attached with nylon ties to a weighted stainless steel hanging assembly. The well plug with a brass ring supports the entire system.

For the stratification study, two PDBS were installed in MW-5 at the upper and lower positions on the hanging assembly as requested.

Chain of Custody (COC) Form

All sample handling was conducted under standard chain of custody procedures. The COC included: sampler's name and signature, sample identification, sample date and time, and analysis request section.

Shipment of Samples

All groundwater samples were relinquished to TestAmerica February 15, 2008.

Storage of Investigative Derived Wastewater (IDW)

Approximately 20 gallons of purged groundwater and decontamination water generated from this sampling event were stored a new, labeled 55-gallon drum. The drum is stored along the southeast corner of the property.

Comments

United Rentals Highway Technologies provided lane closure from 9:00 to 14:30.

Ergo® Well plugs were installed at MW-1, MW-2, MW-4, and MW-5. New Master locks, key code P288, were installed at MW-1, MW-4, and MW-5. The old locks were too small for the new well plugs.

Jacqueline Lee
Partner

Attachments:
Table 1: Summary of Groundwater Monitoring Event
Water Sample Log Sheets
Equipment Calibration Sheet
Chain of Custody
Highway Technologies Delivery Receipt

Environmental Sampling Services

Table 1: February 2008 Quarterly Groundwater Sampling Event
Project Name: Hopyard Cleaners
Project Location: 2771 Hopyard Road, Pleasanton, California

Well/Sample Identification	Date of Measurement	Time of Measurement	Depth to Groundwater (Ft., TOC)	Well Depth (Ft., TOC)	Sample Date	Sample Time	QA/QC Type	QA/QC Sample Identification
MW-1	2/15/2008	8:38	11.38	30.27	2/15/2008	9:27	None	NA
MW-2	2/15/2008	8:32	10.87	30.31	2/15/2008	14:26	Duplicate	MW-DUP
MW-3	2/15/2008	8:35	11.68	30.29	2/15/2008	10:17	None	NA
MW-4	2/15/2008	8:48	12.05	34.56	2/15/2008	11:43	None	NA
MW-5	2/15/2008	8:43	19.74	59.96	2/15/2008	13:21	Equipment Blank	EB-1

Legend:

TOC = Top of Well Casing
NA = Not Applicable

Environmental Sampling Services

WATER QUALITY SAMPLE LOG SHEET	WELL IDENTIFICATION: MW-1 DATE: 2/15/2008

Project Name: Hopyard Cleaners Pleasanton, CA Project Task: Quarterly Monitoring Project/Task No. WR0574
Project Manager: Melissa Asher - Geosyntec Cons. Lab: TestAmerica Weather Conditions: Sunny, clr. skies low 50sF am
Well Description: (2") 3.5" 4" 5" 6" Other:_____ Well Type: (PVC) Stainless Steel Other: _____
Is Well Secured? (Yes) No Bolt Size: 9/16" Type of lock / Lock number: Master #288
Observations / Comments: set pump intake @ 25 ft.(BTOC) Screen Interval: 20' to 30'
Purge Method: Teflon / PE Disposable Bailer Centrifugal Pump (Peristaltic Pump) Other: _____
Pump Lines: NA New / Cleaned / (Dedicated) Bailer Line: (NA) New / Cleaned / Dedicated
Method of Cleaning Pump: (NA) Alconox Liqui-nox Tap Water DI Rinse Other: _____
Method of Cleaning Bailer: (NA) Alconox Liqui-nox Tap Water DI Rinse Other: _____
Sampling Method: Disp. Teflon Bailer Disp. PE Bailer (Peristaltic Pump) Other: _____
YSI Muti-Parameter Meter/Probe Serial No.: 556 MPS - 05F1258AH / (600XL 319340R - 00C1522)
Equipment Calibration: See Daily Equipment Calibration Sheet
Method to Measure Water Level: ~~Slope~~ Solinst Indicator Serial No.: 25083 / ~~25742~~ 21754 P.I.D. Reading: NA ppm
Water Level at Start (DTW): 11.38 (BTOC) Water Level Prior To Sampling: 11.41 (BTOC)
TD = 30.27' - 11.38 (DTW) = 18.89 (ft.of water) x "K" = 3.07 (Gals./CV) x NA (No. of CV) = NA (Gals.)
("K"= 0.163 (2" well)) "K" = 0.50 (3.5" well) "K" = .653 (4" well) "K" = 1.02 (5" well) "k" = 1.46 (6" well)

FIELD WATER QUALITY PARAMETERS

Date	Time	Discharge (Liters)	pH +/- 0.1	Temp. (°C)	Specific Conductance mS (uS) +/- 3%	Turbidity (NTU's) +/- 10	Redox (mV) +/- 10	Dissolved Oxygen (mg/L) +/- 10%	Water Level (BTOC)	Color
2/15/08	9:15	Initial	6.87	18.25	1338	7.7	250.2	4.95	11.42	clear
	9:18	0.5	6.94	19.53	1392	5.6	252.6	3.20	11.45	"
	9:21	1.0	6.94	19.46	1343	3.6	251.0	2.68	11.47	"
	9:23	1.5	6.93	19.69	1347	2.8	250.0	2.55	11.48	"
↓	9:25	2.0	6.92	19.98	1347	2.2	248.2	2.60	11.49	"
		2.5								
		3.0								
		3.5								
		4.0								

Total Discharge: 2.5 Liters Casing Volumes Removed: NA
Method of disposal of discharged water: (55 Gallon Drum(s)) Poly Tank Treatment System Other: _____
Date/Time Sampled: 2/15/08 @ 9:27 Analysis: VOCs (8260B) - 3 VOAs w/HCl
QA/QC: None @ — Duplicate MS/MSD Equipment Rinseate Field Blank Lab Split
Comments: Removed dedicated tubing to install PDB (Passive Diffusion Bag) @ 9:42. Installed new master lock #6298 #288.

Recorded by: Stephen Penman / (Jacki Lee) Signature: _____ Page 1 of 1

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WATER QUALITY SAMPLE LOG SHEET	WELL IDENTIFICATION: MW-2 DATE: 2/15/08

Project Name: Hopyard Cleaners Pleasanton, CA Project Task: Quarterly Monitoring Project/Task No. WR0574
Project Manager: Melissa Asher - Geosyntec Cons. Lab: TestAmerica Weather Conditions: Sunny, 60's°F
Well Description: (2") 3.5" 4" 5" 6" Other:____ Well Type: (PVC) Stainless Steel Other: ____
Is Well Secured? (Yes) / No Bolt Size: 9/16" Type of lock / Lock number: Master
Observations / Comments: set pump intake @ 25 ft.(BTOC) Screen Interval: 20' to 30'
Purge Method: Teflon / PE Disposable Bailer Centrifugal Pump (Peristaltic Pump) Other: ____
Pump Lines: NA New / Cleaned / (Dedicated) Bailer Line: (NA) New / Cleaned / Dedicated
Method of Cleaning Pump: (NA) Alconox Liqui-nox Tap Water DI Rinse Other: ____
Method of Cleaning Bailer: (NA) Alconox Liqui-nox Tap Water DI Rinse Other: ____
Sampling Method: Disp. Teflon Bailer Disp. PE Bailer (Peristaltic Pump) Other: ____
YSI Muti-Parameter Meter/Probe Serial No.: 556 MPS - 05F1258AH / (600XL 319340R - 00C1522)
Equipment Calibration: See Daily Equipment Calibration Sheet
Method to Measure Water Level: ~~Slope~~ Solinst Indicator Serial No.: 25083 / ~~25742~~ 21758 P.I.D. Reading: NA ppm
Water Level at Start (DTW): 10.87 (BTOC) Water Level Prior To Sampling: 10.99 (BTOC)
TD = 30.31' - 10.87 (DTW) = 19.44 (ft.of water) x "K" = 3.16 (Gals./CV) x NA (No. of CV) = NA (Gals.)
("K"= 0.163 (2" well)) "K" = 0.50 (3.5" well) "K" = .653 (4" well) "K" = 1.02 (5" well) "K" = 1.46 (6" well)

FIELD WATER QUALITY PARAMETERS

Date	Time	Discharge (Liters)	pH +/- 0.1	Temp. (°C)	Specific Conductance mS (uS) +/- 3%	Turbidity (NTU's) +/- 10	Redox (mV) +/- 10	Dissolved Oxygen (mg/L) +/- 10%	Water Level (BTOC)	Color
									10.93	
2/15/08	~~14:10~~ ~~10:44~~	Initial	~~7.15~~ ~~6.80~~	~~18.46~~ ~~15.51~~	~~1626~~ ~~2203~~	~~4.5~~ ~~7.3~~	~~250.3~~ ~~256.7~~	~~7.34~~ ~~4.68~~	~~10.81~~ ~~12.02~~	clear
	14:13	0.5	7.11	18.67	1627	1.8	253.1	7.37	10.96	"
	14:15	1.0	7.10	18.75	1629	1.8	255.1	7.42	10.97	"
	14:18	1.5	7.10	18.92	1629	1.7	257.2	7.36	10.98	"
	14:20	2.0	7.09	18.95	1632	1.8	259.3	7.03	10.99	"
↓	14:23	2.5	7.09	19.03	1635	1.4	261.8	7.18	10.99	"
		3.0								
		3.5								
		4.0								

Total Discharge: 2.7 Liters Casing Volumes Removed: NA
Method of disposal of discharged water: (55 Gallon Drum(s)) Poly Tank Treatment System Other: ____
Date/Time Sampled: 2/15/08 @ 14:20 Analysis: VOCs (8260B) - 3 VOAs w/HCl
QA/QC: MW-DUP & None @ 15:26 (Duplicate) MS/MSD Equipment Rinseate Field Blank Lab Split
Comments: Removed dedicated tubing to install PDB @14:35. Installed Existing lock = okay.

Recorded by: Stephen Penman / (Jacki Lee) Signature: [signature] Page 1 of 1

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WATER QUALITY SAMPLE LOG SHEET	WELL IDENTIFICATION: MW-3 DATE: 2/15/08

Project Name: Hopyard Cleaners Pleasanton, CA Project Task: Quarterly Monitoring Project/Task No. WR0574
Project Manager: Melissa Asher - Geosyntec Cons. Lab: TestAmerica Weather Conditions: Sunny, clr skies low 60's°F
Well Description: (2") 3.5" 4" 5" 6" Other:____ Well Type: (PVC) Stainless Steel Other:____
Is Well Secured? (Yes) / No Bolt Size: 9/16" Type of lock / Lock number: Master
Observations / Comments: set pump intake @ 25 ft.(BTOC) Screen Interval: 20' to 30'
Purge Method: Teflon / PE Disposable Bailer Centrifugal Pump (Peristaltic Pump) Other:____
Pump Lines: NA New / Cleaned (Dedicated) Bailer Line: (NA) New / Cleaned / Dedicated
Method of Cleaning Pump: (NA) Alconox Liqui-nox Tap Water DI Rinse Other:____
Method of Cleaning Bailer: (NA) Alconox Liqui-nox Tap Water DI Rinse Other:____
Sampling Method: Disp. Teflon Bailer Disp. PE Bailer (Peristaltic Pump) Other:____
YSI Muti-Parameter Meter/Probe Serial No.: 556 MPS - 05F1258AH / (600XL 319340R - 00C1522)
Equipment Calibration: See Daily Equipment Calibration Sheet
Method to Measure Water Level: ~~Slope~~ Solinst Indicator Serial No.: 25083 / ~~25742~~ 21756 P.I.D. Reading: NA ppm
Water Level at Start (DTW): 11.68 (BTOC) Water Level Prior To Sampling: 11.78 ↑ (BTOC)
TD = 30.29' - 11.68 (DTW) = 18.61 (ft.of water) x "K" = 3.03 (Gals./CV) x NA (No. of CV) = NA (Gals.)
("K"= 0.163 (2" well)) "K" = 0.50 (3.5" well) "K" = .653 (4" well) "K" = 1.02 (5" well) "k" = 1.46 (6" well)

FIELD WATER QUALITY PARAMETERS

Date	Time	Discharge (Liters)	pH +/- 0.1	Temp. (°C)	Specific Conductance mS (uS) +/- 3%	Turbidity (NTU's) +/- 10	Redox (mV) +/- 10	Dissolved Oxygen (mg/L) +/- 10%	Water Level (BTOC)	Color
2/15/08	10:00	Initial	6.84	17.88	1808	2.0	211.3	3.32	11.86	clear
	10:03	0.5	6.77	18.41	1806	2.0	218.0	2.11	11.91	"
	10:06	1.0	6.77	18.32	1804	2.1	222.0	1.91	11.92	"
	10:08	1.5	6.78	18.09	1803	1.4	224.0	1.85	11.93	"
	10:10	2.0	6.78	18.50	1802	1.4	226.3	1.77	11.95	"
	10:13	2.5	6.79	18.50	1802	1.3	228.0	1.79	11.96	"
	10:16	3.0	6.79	18.63	1801	1.3	229.6	1.74	11.97	"
		3.5								
		4.0								

Total Discharge: 3.4 Liters Casing Volumes Removed: NA
Method of disposal of discharged water: (55 Gallon Drum(s)) Poly Tank Treatment System Other:____
Date/Time Sampled: 2/15/08 @ 10:17 Analysis: VOCs (8260B) - 3 VOAs w/HCl
QA/QC: None @ — Duplicate MS/MSD Equipment Rinseate Field Blank Lab Split
Comments: Removed dedicated tubing & installed PDB @ 10:32.

Recorded by: Stephen Penman / (Jacki Lee) Signature: [signature] Page 1 of 1

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WATER QUALITY SAMPLE LOG SHEET	WELL IDENTIFICATION: MW-4 DATE: 2/15/08

Project Name: Hopyard Cleaners Pleasanton, CA Project Task: Quarterly Monitoring Project/Task No. WR0574
Project Manager: Melissa Asher - Geosyntec Cons. Lab: TestAmerica Weather Conditions: Sunny, clr 60's-70's
Well Description: (2") 3.5" 4" 5" 6" Other:_____ Well Type: (PVC) Stainless Steel Other: _____
Is Well Secured? (Yes) No Bolt Size: 9/16" Type of lock / Lock number: Master # P288
Observations / Comments: set pump intake @ 22.5 ft.(BTOC) Screen Interval: 20' to 30'
Purge Method: Teflon / PE Disposable Bailer Centrifugal Pump (Peristaltic Pump) Other: _____
Pump Lines: NA New / Cleaned / (Dedicated) Bailer Line: (NA) New / Cleaned / Dedicated
Method of Cleaning Pump: (NA) Alconox Liqui-nox Tap Water DI Rinse Other: _____
Method of Cleaning Bailer: (NA) Alconox Liqui-nox Tap Water DI Rinse Other: _____
Sampling Method: Disp. Teflon Bailer Disp. PE Bailer (Peristaltic Pump) Other: _____
YSI Muti-Parameter Meter/Probe Serial No.: 556 MPS - 05F1258AH / (600XL 319340R - 00C1522)
Equipment Calibration: See Daily Equipment Calibration Sheet
Method to Measure Water Level: ~~Slope~~ Solinst Indicator Serial No.: 25083 / ~~25742~~ 21758 P.I.D. Reading: NA ppm
Water Level at Start (DTW): 12.05 (BTOC) Water Level Prior To Sampling: _____ (BTOC)
TD = 34.56' - 12.05 (DTW) = 22.51 (ft.of water) x "K" = 3.66 (Gals./CV) x NA (No. of CV) = NA (Gals.)
("K"= 0.163 (2" well)) "K" = 0.50 (3.5" well) "K" = .653 (4" well) "K" = 1.02 (5" well) "K" = 1.46 (6" well)

FIELD WATER QUALITY PARAMETERS

Date	Time	Discharge (Liters)	pH +/- 0.1	Temp. (°C)	Specific Conductance mS (µS) +/- 3%	Turbidity (NTU's) +/- 10	Redox (mV) +/- 10	Dissolved Oxygen (mg/L) +/- 10%	Water Level (BTOC)	Color
2/15/08	10:48	Initial	6.80	15.51	2203	7.3	256.9	4.68	12.02	clear
	10:52	0.5	6.62	16.41	2203	12.0	248.1	1.25	13.02	"
	10:54	1.0	6.60	16.55	2200	12.8	241.3	1.05	13.02	"
	10:58	1.5	6.59	16.70	2201	16.3	219.0	0.94	12.02	"
	11:01	2.0	6.58	16.72	2195	8.1	187.2	0.85	13.02	"
	11:03	2.5	6.57	16.82	2194	6.3	157.2	0.82	13.02	"
	11:06	3.0	6.57	16.84	2191	6.4	126.1	0.78	13.03	"
	11:09	3.5	6.57	16.87	2190	10.3	111.2	0.75	13.02	"
↓	11:11	4.0	6.57	17.09	2186	9.3	98.1	0.73	13.04	"

Total Discharge: 9.7 Liters Casing Volumes Removed: NA
Method of disposal of discharged water: (55 Gallon Drum(s)) Poly Tank Treatment System Other: _____
Date/Time Sampled: 2/15/08 @ 11:43 Analysis: VOCs (8260B) - 3 VOAs w/HCl
QA/QC: None @ — Duplicate MS/MSD Equipment Rinseate Field Blank Lab Split
Comments: Removed dedicated tubing & installed PDB @ 11:55. Installed new Master lock #P288; existing one too small.

Recorded by: Stephen Penman / (Jacki Lee) Signature: _____ Page 1 of 2

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WATER QUALITY SAMPLE LOG SHEET	WELL IDENTIFICATION: MW-4	Page 2

Project Name: Hopyard Cleaners

FIELD WATER QUALITY PARAMETERS CONTINUED FROM PAGE 1

Date	Time	Discharge (Liters)	pH (± 0.1)	Temp. (°C) (± 1°C)	Specific Conductance mS (µS) (± 3%)	Turbidity (NTU's) (±10 NTUs)	Redox (mV) (±10 mV)	Dissolved Oxygen (mg/L) (±10%)	Water Level (BTOC)	Color
2/15/08	11:14	4.5	6.56	16.81	2182	7.1	70.8	0.73	13.04	clear
	11:16	5.0	6.57	16.90	2183	7.9	55.3	0.71	13.04	"
	11:19	5.5	6.56	16.90	2184	9.4	35.0	0.70	13.04	"
	11:22	6.0	6.56	17.22	2182	5.5	20.3	0.68	13.04	"
	11:24	6.5	6.56	17.20	2185	6.9	8.4	0.69	13.04	"
	11:28	7.0	6.57	17.21	2180	13.4	-7.3	0.69	13.04	"
	11:30	7.5	6.57	17.22	2182	8.0	-11.2	0.67	13.04	"
	11:33	8.0	6.56	17.13	2176	4.6	-18.8	0.67	13.04	"
	11:36	8.5	6.56	17.25	2177	5.8	-25.3	0.67	13.04	"
	11:39	9.0	6.56	16.95	2180	4.0	-30.0	0.70	13.04	"
↓	11:42	9.5	6.56	16.98	2175	3.8	-33.7	0.64	13.04	
		10.0								
		10.5								
		11.0								
		11.5								
		12.0								
		12.5								
		13.0								
		13.5								
		14.0								

Total Discharge: 9.7 Liters Casing Volumes Removed: NA

Comments: _____

Recorded by: Jacqueline Lee / Stephen Penman Signature: _____

Environmental Sampling Services

WATER QUALITY SAMPLE LOG SHEET	WELL IDENTIFICATION: MW-5 DATE: 2/15/2008

Project Name: Hopyard Cleaners Pleasanton, CA Project Task: Quarterly Monitoring Project/Task No. WR0574
Project Manager: Melissa Asher - Geosyntec Cons. Lab: TestAmerica Weather Conditions: Sunny, clr 60's°F
Well Description: (2") 3.5" 4" 5" 6" Other:____ Well Type: (PVC) Stainless Steel Other: ____
Is Well Secured? (Yes) No Bolt Size: 15/16" Type of lock / Lock number: Master #P288
Observations / Comments: set pump intake @ 55 ft.(BTOC) Screen Interval: 50' to 60'
Purge Method: Teflon / PE Disposable Bailer Centrifugal Pump (Peristaltic Pump) Other: ____
Pump Lines: NA (New) / Cleaned / Dedicated Bailer Line: NA New / Cleaned / Dedicated
Method of Cleaning Pump: (NA) Alconox Liqui-nox Tap Water DI Rinse Other: ____
Method of Cleaning Bailer: (NA) Alconox Liqui-nox Tap Water DI Rinse Other: ____
Sampling Method: Disp. Teflon Bailer Disp. PE Bailer Peristaltic Pump Other: ____
YSI Muti-Parameter Meter/Probe Serial No.: 556 MPS - 05F1258AH / (600XL 319340R - 00C1522)
Equipment Calibration: See Daily Equipment Calibration Sheet
Method to Measure Water Level: ~~Slope~~ Solinst Indicator Serial No.: 25083 / ~~25742~~ 21758 P.I.D. Reading: NA ppm
Water Level at Start (DTW): 19.74 (BTOC) Water Level Prior To Sampling: 19.68 (BTOC)
TD = 59.96' - 19.74 (DTW) = 40.22 (ft.of water) x "K" = 6.65 (Gals./CV) x NA (No. of CV) = NA (Gals.)
("K"= 0.163 (2" well)) "K" = 0.50 (3.5" well) "K" = .653 (4" well) "K" = 1.02 (5" well) "k" = 1.46 (6" well)

FIELD WATER QUALITY PARAMETERS

Date	Time	Discharge (Liters)	pH +/- 0.1	Temp. (°C)	Specific Conductance mS (uS) +/- 3%	Turbidity (NTU's) +/- 10	Redox (mV) +/- 10	Dissolved Oxygen (mg/L) +/- 10%	Water Level (BTOC)	Color
2/15/08	12:32	Initial	6.90	16.63	1748	30	190.5	3.44	19.70	slightly cloudy
	12:35	0.5	6.76	17.30	1742	531	190.3	3.09	19.71	lt tan
	12:38	1.0	6.77	17.51	1742	325	191.1	2.94	19.70	"
	12:41	1.5	6.83	17.62	1739	224	191.3	2.79	19.70	"
	12:44	2.0	6.78	17.56	1736	155	192.5	2.65	19.70	"
	12:47	2.5	6.78	17.70	1736	123	194.0	2.69	19.70	"
	12:50	3.0	6.80	17.76	1732	93	195.4	2.63	19.70	"
	12:52	3.5	6.80	17.70	1729	84	195.8	2.66	19.70	"
↓	12:55	4.0	6.78	17.69	1739	72	197.7	2.58	19.70	"

Total Discharge: 8.5 Liters Casing Volumes Removed: NA
Method of disposal of discharged water: (55 Gallon Drum(s)) Poly Tank Treatment System Other: ____
Date/Time Sampled: 2/15/08 @ 13:21 Analysis: VOCs (8260B) - 3 VOAs w/HCl
QA/QC: EB-1 @ 12:31 Duplicate MS/MSD (Equipment Rinseate) Field Blank Lab Split
Comments: Installed PDB @ 11:45, & installed new master #P288; existing one too small. Discarded pump tubing.

Recorded by: Stephen Penman (Jacki Lee) Signature: [signature]

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WATER QUALITY SAMPLE LOG SHEET	WELL IDENTIFICATION: MW-5	Page 2

Project Name: Hopyard Cleaners

FIELD WATER QUALITY PARAMETERS CONTINUED FROM PAGE 1

Date	Time	Discharge (Liters)	pH (± 0.1)	Temp. (°C) (± 1°C)	Specific Conductance mS (µS) (± 3%)	Turbidity (NTU's) (±10 NTUs)	Redox (mV) (±10 mV)	Dissolved Oxygen (mg/L) (±10%)	Water Level (BTOC)	Color
7/15/08	12:58	4.5	6.78	17.73	1738	61	199.5	2.54	19.69 18.69	LT tan
	13:01	5.0	6.79	17.78	1733	54	201.8	2.52	19.69	"
	13:04	5.5	6.79	17.76	1731	48	203.5	2.54	19.69	"
	13:07	6.0	6.79	17.72	1739	37	206.1	2.45	19.69 19.69	"
	13:09	6.5	6.81	17.80	1743	31	206.9	2.44	19.69 19.69	"
	13:12	7.0	6.80	17.82	1742	24	208.8	2.35	19.67 19.67	"
	13:15	7.5	6.81	17.86	1744	23	209.5	2.51	19.68 19.68	"
↓	13:18	8.0	6.80	17.90	1739	20	210.6	2.43	19 19.68	"
		8.5								
		9.0								
		9.5								
		10.0								
		10.5								
		11.0								
		11.5								
		12.0								
		12.5								
		13.0								
		13.5								
		14.0								

Total Discharge: 8.5 Liters Casing Volumes Removed: NA

Comments: _____

Recorded by: Jacqueline Lee / Stephen Penman Signature: [signature]

Environmental Sampling Services

SITE NAME: Hopyard Cleaners
SITE LOCATION: Pleasanton, CA
TASK: February 2008 Quarterly Groundwater Monitoring Event

DAILY EQUIPMENT CALIBRATION SHEET

DATE	TIME	Instrument Serial Number	Probe Serial Number	Dissolved Oxygen (%)	pH 4	pH 7	pH 10	Specific Conductance 1,000 uS/cm	ORP mV	TURBIDITY NTU's
2/15/08	8:53	3193402	00C1522	99.7	4.00	6.99	10.02	1,000	237.2	0.02

CHAIN OF CUSTODY RECORD

Environmental Sampling Services

6680 Alhambra Avenue, #102 • Martinez, California 94553-6105
Telephone: (925) 372-8108 Fax: (925) 372-6705
www.envsampling.com Log Code: ESSM

TURN AROUND TIME ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STD. ☐

Reporting Format: EDF ☐ EDD/Excel ☑ PDF ☐

GeoTracker Site Identification:

FedEx ☐ UPS ☐ ESS ☑ Tracking Number:

Laboratory: Test America Lab Code: STCL

Send Report To: Melissa Asher Bill To: SAME
Company: GeoSyntec Consultants Company:
Address: 475 14th Street, Suite 450 Address:
Oakland, CA 94612
E-Mail: masher@geosyntec.com
Tel: (510) 285-2782 Fax: ( )
Fax: (510) 836-3036
Project Name: Hopyard Cleaners Project Number: WR0574
Sampler's Name: Jacqueline Lee ☒ Stephen Penman ☐

SAMPLE ID	Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Container Type*	MATRIX CODE WG	SO	GS	Water	METHOD PRESERVED Ice	HCl	HNO_3	H_2SO_4	Analysis Request VOCs (EPA 8260B)	Other	Comments
Trip Blank		2/15/08	8:00	3	1				X	X	X			X		
MW-1		2/15/08	9:27	3	1	X				X	X			X		
MW-3		2/15/08	10:17	3	1	X				X	X			X		
MW-4		2/15/08	11:43	3	1	X				X	X			X		
EB-1		2/15/08	12:31	3	1	X				X	X			X		
MW-5		2/15/08	13:21	3	1	X				X	X			X		
MW-2		2/15/08	14:26	3	1	X				X	X			X		
MW-DUP		2/15/08	15:26	3	1	X				X	X			X		

Relinquished By:	Date:	Time:	Received By:
	2/15/08	16:45	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/°C 2.2 HEAD SPACE ABSENT: Yes No
Received in Good Condition: Yes No
Metals sample(s) Field Filtered: Yes No NA
Questions regarding COC: Call ESS
COMMENTS :

FIELD POINT: MW=Monitoring Well QCFD=Field Duplicate QCFB=Field Blank
CONTAINER TYPES:
1=VOAs 2=Glass 3=Poly 4=Liner 5=Air Canister 6=Tedlar Bag

MATRIX CODE: WG=Grdwtr. SO=Soil GS=Soil Gas

HIGHWAY TECHNOLOGIES

R 01021

1277 OLD BAYSHORE HIGHWAY
SAN JOSE, CA 95112-2800

408-295-8210
1-800-479-8210
FAX: 408-998-5939

TRAFFIC CONTROL RENTAL

TO Geosyntec

JOB SITE Hayward Pleasanton

DATE CALLED	ORDERED BY	PHONE	JOB NO.
DATE OUT/IN 2-15-08	BRANCH SALESMAN	PURCHASE ORDER NO.	

☐ RENTAL OUT	☐ RENTAL IN	☐ MISSING UNITS	DESCRIPTION	RATE	TOTAL
8					
			1 Person, Truck, Trailer, Equip Blks	750.00	
			4 Hr. Min	400.00	
		Start	9:00 A		
		Finish	5:30 P		

RENTAL POLICIES:

1. Minimum rental rate **$75.00**
2. The customer is responsible for all equipment rented.
3. It is the customers responsibility to notify this office within 15 days after receiving rental invoices, where their charges are in question
4. All calls for deliveries after 4 P.M. on weekdays are subject to $47.50 per hour late charge.
5. All weekend and holiday deliveries are subject to a $65.00 per hour charge.
6. All accounts are due and payable 30 days after receiving invoices.
7. LESSEE AGREES: To pay the specified rent for use of said equipment - To not release this equipment from Lessee's control without prior authorization from Lessor - To not move said equipment to any other job without prior consent of Lessor - To assume sole responsibility for proper placing of said equipment on the job location - To indemnify Lessor against all loss, damage, expense and penalty arising from any action or claim on account of any injury to person or property of any character whatsoever occasioned by the operation, handling, transportation and/or use of any of the barricades and/or warning lights during rental period, and while said barricadesare in possession or under the custody of Lessee.

To pay the Lessor reasonable attorney's fees and collection costs incurred by Lessor in enforcing the terms of this agreement, in the event Lessee breaches any of the terms of this agreement, or Lessee fails to pay rent or to pay for damages to said equipment while in Lessee's possession.

RECEIVED BY	DELIVERED BY	DATE
		2-15-08

DELIVERY RECEIPT

THIS IS NOT AN INVOICE

INVOICE TO FOLLOW

ATTACHMENT 2
LABORATORY ANALYTICAL REPORT

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-13076-1

Job Description: Hopyard Cleaners

For:
GeoSyntec Consultants
475 14th Street, Suite 450
Oakland, CA 94612

Attention: Ms. Melissa Asher

Melissa Brewer

Melissa Brewer
Project Manager I
melissa.brewer@testamericainc.com
02/22/2008

cc: Ms. Angela Liang

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 484-1096 www.testamericainc.com

Job Narrative
720-J13076-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: GeoSyntec Consultants

Job Number: 720-13076-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-13076-2	**MW-1**				
cis-1,2-Dichloroethene		230	20	ug/L	8260B
Tetrachloroethene		1400	20	ug/L	8260B
Trichloroethene		250	20	ug/L	8260B
720-13076-3	**MW-3**				
cis-1,2-Dichloroethene		6.2	0.50	ug/L	8260B
Tetrachloroethene		44	0.50	ug/L	8260B
Trichloroethene		5.1	0.50	ug/L	8260B
720-13076-4	**MW-4**				
cis-1,2-Dichloroethene		4.2	0.50	ug/L	8260B
Trichloroethene		4.0	0.50	ug/L	8260B
720-13076-6	**MW-5**				
Tetrachloroethene		26	0.50	ug/L	8260B
720-13076-7	**MW-2**				
cis-1,2-Dichloroethene		690	50	ug/L	8260B
Tetrachloroethene		4100	50	ug/L	8260B
Trichloroethene		320	50	ug/L	8260B
720-13076-8	**MW-DUP**				
cis-1,2-Dichloroethene		690	50	ug/L	8260B
Tetrachloroethene		4000	50	ug/L	8260B
Trichloroethene		300	50	ug/L	8260B

METHOD SUMMARY

Client: GeoSyntec Consultants | Job Number: 720-13076-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS (Low Level)	TAL SF	SW846 8260B	
Purge-and-Trap	TAL SF		SW846 5030B

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: GeoSyntec Consultants

Job Number: 720-13076-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-13076-1TB	TRIP BLANK	Water	02/15/2008 0800	02/15/2008 1645
720-13076-2	MW-1	Water	02/15/2008 0927	02/15/2008 1645
720-13076-3	MW-3	Water	02/15/2008 1017	02/15/2008 1645
720-13076-4	MW-4	Water	02/15/2008 1143	02/15/2008 1645
720-13076-5	EB-1	Water	02/15/2008 1231	02/15/2008 1645
720-13076-6	MW-5	Water	02/15/2008 1321	02/15/2008 1645
720-13076-7	MW-2	Water	02/15/2008 1426	02/15/2008 1645
720-13076-8	MW-DUP	Water	02/15/2008 1526	02/15/2008 1645

Client: GeoSyntec Consultants

Job Number: 720-13076-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 720-13076-1TB
Client Matrix: Water

Date Sampled: 02/15/2008 0800
Date Received: 02/15/2008 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/21/2008 1844
Date Prepared: 02/21/2008 1844

Analysis Batch: 720-32179

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Client: GeoSyntec Consultants

Job Number: 720-13076-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 720-13076-1TB
Client Matrix: Water

Date Sampled: 02/15/2008 0800
Date Received: 02/15/2008 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/21/2008 1844
Date Prepared: 02/21/2008 1844

Analysis Batch: 720-32179

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	110	71 - 139
1,2-Dichloroethane-d4 (Surr)	102	62 - 118
Toluene-d8 (Surr)	106	73 - 117

Client: GeoSyntec Consultants

Job Number: 720-13076-1

Client Sample ID: MW-1

Lab Sample ID: 720-13076-2
Client Matrix: Water

Date Sampled: 02/15/2008 0927
Date Received: 02/15/2008 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 40
Date Analyzed: 02/21/2008 1917
Date Prepared: 02/21/2008 1917

Analysis Batch: 720-32179

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		200
Acetone	ND		2000
Benzene	ND		20
Dichlorobromomethane	ND		20
Bromobenzene	ND		40
Chlorobromomethane	ND		40
Bromoform	ND		40
Bromomethane	ND		40
2-Butanone (MEK)	ND		2000
n-Butylbenzene	ND		40
sec-Butylbenzene	ND		40
tert-Butylbenzene	ND		40
Carbon disulfide	ND		200
Carbon tetrachloride	ND		20
Chlorobenzene	ND		20
Chloroethane	ND		40
Chloroform	ND		40
Chloromethane	ND		40
2-Chlorotoluene	ND		20
4-Chlorotoluene	ND		20
Chlorodibromomethane	ND		20
1,2-Dichlorobenzene	ND		20
1,3-Dichlorobenzene	ND		20
1,4-Dichlorobenzene	ND		20
1,3-Dichloropropane	ND		40
1,1-Dichloropropene	ND		20
1,2-Dibromo-3-Chloropropane	ND		40
Ethylene Dibromide	ND		20
Dibromomethane	ND		20
Dichlorodifluoromethane	ND		20
1,1-Dichloroethane	ND		20
1,2-Dichloroethane	ND		20
1,1-Dichloroethene	ND		20
cis-1,2-Dichloroethene	230		20
trans-1,2-Dichloroethene	ND		20
1,2-Dichloropropane	ND		20
cis-1,3-Dichloropropene	ND		20
trans-1,3-Dichloropropene	ND		20
Ethylbenzene	ND		20
Hexachlorobutadiene	ND		40
2-Hexanone	ND		2000
Isopropylbenzene	ND		20
4-Isopropyltoluene	ND		40
Methylene Chloride	ND		200

Client: GeoSyntec Consultants

Job Number: 720-13076-1

Client Sample ID: **MW-1**

Lab Sample ID: 720-13076-2
Client Matrix: Water

Date Sampled: 02/15/2008 0927
Date Received: 02/15/2008 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 40
Date Analyzed: 02/21/2008 1917
Date Prepared: 02/21/2008 1917

Analysis Batch: 720-32179

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		2000
Naphthalene	ND		40
N-Propylbenzene	ND		40
Styrene	ND		20
1,1,1,2-Tetrachloroethane	ND		20
1,1,2,2-Tetrachloroethane	ND		20
Tetrachloroethene	1400		20
Toluene	ND		20
1,2,3-Trichlorobenzene	ND		40
1,2,4-Trichlorobenzene	ND		40
1,1,1-Trichloroethane	ND		20
1,1,2-Trichloroethane	ND		20
Trichloroethene	250		20
Trichlorofluoromethane	ND		40
1,2,3-Trichloropropane	ND		20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20
1,2,4-Trimethylbenzene	ND		20
1,3,5-Trimethylbenzene	ND		20
Vinyl acetate	ND		2000
Vinyl chloride	ND		20
Xylenes, Total	ND		40
2,2-Dichloropropane	ND		20

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	109	71 - 139
1,2-Dichloroethane-d4 (Surr)	104	62 - 118
Toluene-d8 (Surr)	110	73 - 117

Client: GeoSyntec Consultants

Job Number: 720-13076-1

Client Sample ID: MW-3

Lab Sample ID: 720-13076-3
Client Matrix: Water

Date Sampled: 02/15/2008 1017
Date Received: 02/15/2008 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/21/2008 2058
Date Prepared: 02/21/2008 2058

Analysis Batch: 720-32179

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	6.2		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Client: GeoSyntec Consultants | Job Number: 720-13076-1

Client Sample ID: **MW-3**

Lab Sample ID: 720-13076-3
Client Matrix: Water

Date Sampled: 02/15/2008 1017
Date Received: 02/15/2008 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/21/2008 2058
Date Prepared: 02/21/2008 2058

Analysis Batch: 720-32179

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	44		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	5.1		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	112	71 - 139
1,2-Dichloroethane-d4 (Surr)	108	62 - 118
Toluene-d8 (Surr)	111	73 - 117

Client: GeoSyntec Consultants | Job Number: 720-13076-1

Client Sample ID: MW-4

Lab Sample ID: 720-13076-4 | Date Sampled: 02/15/2008 1143
Client Matrix: Water | Date Received: 02/15/2008 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-32179 | Instrument ID: Varian 3900G
Preparation: 5030B | Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 02/21/2008 2131 | Final Weight/Volume: 40 mL
Date Prepared: 02/21/2008 2131

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	4.2		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Client: GeoSyntec Consultants

Job Number: 720-13076-1

Client Sample ID: MW-4

Lab Sample ID: 720-13076-4
Client Matrix: Water

Date Sampled: 02/15/2008 1143
Date Received: 02/15/2008 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/21/2008 2131
Date Prepared: 02/21/2008 2131

Analysis Batch: 720-32179

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	4.0		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	106	71 - 139
1,2-Dichloroethane-d4 (Surr)	100	62 - 118
Toluene-d8 (Surr)	105	73 - 117

Client: GeoSyntec Consultants | Job Number: 720-13076-1

Client Sample ID: EB-1

Lab Sample ID: 720-13076-5 | Date Sampled: 02/15/2008 1231
Client Matrix: Water | Date Received: 02/15/2008 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-32179 | Instrument ID: Varian 3900G
Preparation: 5030B | Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 02/21/2008 2205 | Final Weight/Volume: 40 mL
Date Prepared: 02/21/2008 2205

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Client: GeoSyntec Consultants | Job Number: 720-13076-1

Client Sample ID: EB-1

Lab Sample ID: 720-13076-5
Client Matrix: Water

Date Sampled: 02/15/2008 1231
Date Received: 02/15/2008 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/21/2008 2205
Date Prepared: 02/21/2008 2205

Analysis Batch: 720-32179

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	106	71 - 139
1,2-Dichloroethane-d4 (Surr)	101	62 - 118
Toluene-d8 (Surr)	105	73 - 117

Client: GeoSyntec Consultants | Job Number: 720-13076-1

Client Sample ID: MW-5

Lab Sample ID: 720-13076-6 | Date Sampled: 02/15/2008 1321
Client Matrix: Water | Date Received: 02/15/2008 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-32179 | Instrument ID: Varian 3900G
Preparation: 5030B | Lab File ID: c:\saturnws\data\200802\02
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 02/21/2008 2238 | Final Weight/Volume: 40 mL
Date Prepared: 02/21/2008 2238

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Client: GeoSyntec Consultants

Job Number: 720-13076-1

Client Sample ID: MW-5

Lab Sample ID: 720-13076-6
Client Matrix: Water

Date Sampled: 02/15/2008 1321
Date Received: 02/15/2008 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 02/21/2008 2238
Date Prepared: 02/21/2008 2238

Analysis Batch: 720-32179

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	26		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	111	71 - 139
1,2-Dichloroethane-d4 (Surr)	104	62 - 118
Toluene-d8 (Surr)	110	73 - 117

Client: GeoSyntec Consultants

Job Number: 720-13076-1

Client Sample ID: MW-2

Lab Sample ID: 720-13076-7
Client Matrix: Water

Date Sampled: 02/15/2008 1426
Date Received: 02/15/2008 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 100
Date Analyzed: 02/21/2008 2312
Date Prepared: 02/21/2008 2312

Analysis Batch: 720-32179

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		500
Acetone	ND		5000
Benzene	ND		50
Dichlorobromomethane	ND		50
Bromobenzene	ND		100
Chlorobromomethane	ND		100
Bromoform	ND		100
Bromomethane	ND		100
2-Butanone (MEK)	ND		5000
n-Butylbenzene	ND		100
sec-Butylbenzene	ND		100
tert-Butylbenzene	ND		100
Carbon disulfide	ND		500
Carbon tetrachloride	ND		50
Chlorobenzene	ND		50
Chloroethane	ND		100
Chloroform	ND		100
Chloromethane	ND		100
2-Chlorotoluene	ND		50
4-Chlorotoluene	ND		50
Chlorodibromomethane	ND		50
1,2-Dichlorobenzene	ND		50
1,3-Dichlorobenzene	ND		50
1,4-Dichlorobenzene	ND		50
1,3-Dichloropropane	ND		100
1,1-Dichloropropene	ND		50
1,2-Dibromo-3-Chloropropane	ND		100
Ethylene Dibromide	ND		50
Dibromomethane	ND		50
Dichlorodifluoromethane	ND		50
1,1-Dichloroethane	ND		50
1,2-Dichloroethane	ND		50
1,1-Dichloroethene	ND		50
cis-1,2-Dichloroethene	690		50
trans-1,2-Dichloroethene	ND		50
1,2-Dichloropropane	ND		50
cis-1,3-Dichloropropene	ND		50
trans-1,3-Dichloropropene	ND		50
Ethylbenzene	ND		50
Hexachlorobutadiene	ND		100
2-Hexanone	ND		5000
Isopropylbenzene	ND		50
4-Isopropyltoluene	ND		100
Methylene Chloride	ND		500

Client: GeoSyntec Consultants

Job Number: 720-13076-1

Client Sample ID: MW-2

Lab Sample ID: 720-13076-7
Client Matrix: Water

Date Sampled: 02/15/2008 1426
Date Received: 02/15/2008 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 100
Date Analyzed: 02/21/2008 2312
Date Prepared: 02/21/2008 2312

Analysis Batch: 720-32179

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		5000
Naphthalene	ND		100
N-Propylbenzene	ND		100
Styrene	ND		50
1,1,1,2-Tetrachloroethane	ND		50
1,1,2,2-Tetrachloroethane	ND		50
Tetrachloroethene	4100		50
Toluene	ND		50
1,2,3-Trichlorobenzene	ND		100
1,2,4-Trichlorobenzene	ND		100
1,1,1-Trichloroethane	ND		50
1,1,2-Trichloroethane	ND		50
Trichloroethene	320		50
Trichlorofluoromethane	ND		100
1,2,3-Trichloropropane	ND		50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50
1,2,4-Trimethylbenzene	ND		50
1,3,5-Trimethylbenzene	ND		50
Vinyl acetate	ND		5000
Vinyl chloride	ND		50
Xylenes, Total	ND		100
2,2-Dichloropropane	ND		50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	103	71 - 139
1,2-Dichloroethane-d4 (Surr)	101	62 - 118
Toluene-d8 (Surr)	105	73 - 117

Client: GeoSyntec Consultants

Job Number: 720-13076-1

Client Sample ID: MW-DUP

Lab Sample ID: 720-13076-8
Client Matrix: Water

Date Sampled: 02/15/2008 1526
Date Received: 02/15/2008 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 100
Date Analyzed: 02/21/2008 2345
Date Prepared: 02/21/2008 2345

Analysis Batch: 720-32179

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		500
Acetone	ND		5000
Benzene	ND		50
Dichlorobromomethane	ND		50
Bromobenzene	ND		100
Chlorobromomethane	ND		100
Bromoform	ND		100
Bromomethane	ND		100
2-Butanone (MEK)	ND		5000
n-Butylbenzene	ND		100
sec-Butylbenzene	ND		100
tert-Butylbenzene	ND		100
Carbon disulfide	ND		500
Carbon tetrachloride	ND		50
Chlorobenzene	ND		50
Chloroethane	ND		100
Chloroform	ND		100
Chloromethane	ND		100
2-Chlorotoluene	ND		50
4-Chlorotoluene	ND		50
Chlorodibromomethane	ND		50
1,2-Dichlorobenzene	ND		50
1,3-Dichlorobenzene	ND		50
1,4-Dichlorobenzene	ND		50
1,3-Dichloropropane	ND		100
1,1-Dichloropropene	ND		50
1,2-Dibromo-3-Chloropropane	ND		100
Ethylene Dibromide	ND		50
Dibromomethane	ND		50
Dichlorodifluoromethane	ND		50
1,1-Dichloroethane	ND		50
1,2-Dichloroethane	ND		50
1,1-Dichloroethene	ND		50
cis-1,2-Dichloroethene	690		50
trans-1,2-Dichloroethene	ND		50
1,2-Dichloropropane	ND		50
cis-1,3-Dichloropropene	ND		50
trans-1,3-Dichloropropene	ND		50
Ethylbenzene	ND		50
Hexachlorobutadiene	ND		100
2-Hexanone	ND		5000
Isopropylbenzene	ND		50
4-Isopropyltoluene	ND		100
Methylene Chloride	ND		500

Client: GeoSyntec Consultants

Job Number: 720-13076-1

Client Sample ID: MW-DUP

Lab Sample ID: 720-13076-8
Client Matrix: Water

Date Sampled: 02/15/2008 1526
Date Received: 02/15/2008 1645

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 100
Date Analyzed: 02/21/2008 2345
Date Prepared: 02/21/2008 2345

Analysis Batch: 720-32179

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		5000
Naphthalene	ND		100
N-Propylbenzene	ND		100
Styrene	ND		50
1,1,1,2-Tetrachloroethane	ND		50
1,1,2,2-Tetrachloroethane	ND		50
Tetrachloroethene	4000		50
Toluene	ND		50
1,2,3-Trichlorobenzene	ND		100
1,2,4-Trichlorobenzene	ND		100
1,1,1-Trichloroethane	ND		50
1,1,2-Trichloroethane	ND		50
Trichloroethene	300		50
Trichlorofluoromethane	ND		100
1,2,3-Trichloropropane	ND		50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50
1,2,4-Trimethylbenzene	ND		50
1,3,5-Trimethylbenzene	ND		50
Vinyl acetate	ND		5000
Vinyl chloride	ND		50
Xylenes, Total	ND		100
2,2-Dichloropropane	ND		50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	108	71 - 139
1,2-Dichloroethane-d4 (Surr)	103	62 - 118
Toluene-d8 (Surr)	109	73 - 117

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: GeoSyntec Consultants

Job Number: 720-13076-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-32179					
LCS 720-32179/2	Lab Control Spike	T	Water	8260B	
LCSD 720-32179/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-32179/3	Method Blank	T	Water	8260B	
720-13076-1TB	TRIP BLANK	T	Water	8260B	
720-13076-2	MW-1	T	Water	8260B	
720-13076-2MS	Matrix Spike	T	Water	8260B	
720-13076-2MSD	Matrix Spike Duplicate	T	Water	8260B	
720-13076-3	MW-3	T	Water	8260B	
720-13076-4	MW-4	T	Water	8260B	
720-13076-5	EB-1	T	Water	8260B	
720-13076-6	MW-5	T	Water	8260B	
720-13076-7	MW-2	T	Water	8260B	
720-13076-8	MW-DUP	T	Water	8260B	

Report Basis
T = Total

Client: GeoSyntec Consultants

Job Number: 720-13076-1

Method Blank - Batch: 720-32179

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32179/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/21/2008 1810
Date Prepared: 02/21/2008 1810

Analysis Batch: 720-32179
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: GeoSyntec Consultants

Job Number: 720-13076-1

Method Blank - Batch: 720-32179

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32179/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/21/2008 1810
Date Prepared: 02/21/2008 1810

Analysis Batch: 720-32179
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	105	71 - 139
1,2-Dichloroethane-d4 (Surr)	105	62 - 118
Toluene-d8 (Surr)	103	73 - 117

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: GeoSyntec Consultants

Job Number: 720-13076-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32179

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-32179/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/21/2008 1703
Date Prepared: 02/21/2008 1703

Analysis Batch: 720-32179
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\0
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-32179/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/21/2008 1737
Date Prepared: 02/21/2008 1737

Analysis Batch: 720-32179
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200802\02
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	97	90	69 - 129	7	20		
Chlorobenzene	104	100	61 - 121	4	20		
1,1-Dichloroethene	101	94	65 - 125	7	20		
Toluene	96	96	70 - 130	1	20		
Trichloroethene	89	87	74 - 134	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	97	100	71 - 139
1,2-Dichloroethane-d4 (Surr)	97	98	62 - 118
Toluene-d8 (Surr)	96	99	73 - 117

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: GeoSyntec Consultants

Job Number: 720-13076-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-32179

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-13076-2	Analysis Batch: 720-32179	Instrument ID: Varian 3900G
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200802\(
Dilution:	40		Initial Weight/Volume: 40 mL
Date Analyzed:	02/21/2008 1951		Final Weight/Volume: 40 mL
Date Prepared:	02/21/2008 1951		

MSD Lab Sample ID:	720-13076-2	Analysis Batch: 720-32179	Instrument ID: Varian 3900G
Client Matrix:	Water	Prep Batch: N/A	Lab File ID: c:\saturnws\data\200802\02
Dilution:	40		Initial Weight/Volume: 40 mL
Date Analyzed:	02/21/2008 2024		Final Weight/Volume: 40 mL
Date Prepared:	02/21/2008 2024		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	93	91	69 - 129	2	20		
Chlorobenzene	98	98	61 - 121	0	20		
1,1-Dichloroethene	93	89	65 - 125	4	20		
Toluene	92	89	70 - 130	3	20		
Trichloroethene	86	81	74 - 134	4	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	109	109	71 - 139
1,2-Dichloroethane-d4 (Surr)	105	99	62 - 118
Toluene-d8 (Surr)	106	106	73 - 117

Calculations are performed before rounding to avoid round-off errors in calculated results.

720-13076

109472

CHAIN OF CUSTODY RECORD

Environmental Sampling Services

6680 Alhambra Avenue, #102 • Martinez, California 94553-6105
Telephone: (925) 372-8108 Fax: (925) 372-6705
www.envsampling.com Log Code: ESSM

TURN AROUND TIME ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ STD. ☐

Reporting Format: EDF ☐ EDD/Excel ☑ PDF ☐

GeoTracker Site Identification:

FedEx ☐ UPS ☐ ESS ☑ Tracking Number:

Laboratory: Test America Lab Code: STCL

Send Report To: Melissa Asher Bill To: SAME
Company: GeoSyntec Consultants Company:
Address: 475 14th Street, Suite 450 Address:
Oakland, CA 94612
E-Mail: masher@geosyntec.com
Tel: (510) 285-2782 Fax: ( )
Fax: (510) 836-3036
Project Name: Hopyard Cleaners Project Number: WR0574
Sampler's Name: Jacqueline Lee ☒ Stephen Penman ☐

SAMPLE ID	Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Container Type*	MATRIX CODE WG	SO	GS	Water	METHOD PRESERVED Ice	HCl	HNO_3	H_2SO_4	Analysis Request VOCs (EPA 8260B)	Other	Comments
Trip Blank		2/15/08	8:00	3	1				X	X	X			X		
MW-1		2/15/08	9:27	3	1	X				X	X			X		
MW-3		2/15/08	10:17	3	1	X				X	X			X		
MW-4		2/15/08	11:43	3	1	X				X	X			X		
EB-1		2/15/08	12:31	3	1	X				X	X			X		
MW-5		2/15/08	13:21	3	1	X				X	X			X		
MW-2		2/15/08	14:26	3	1	X				X	X			X		
MW-DUP		2/15/08	15:26	3	1	X				X	X			X		

Relinquished By:	Date:	Time:	Received By:
	2/15/08	16:45	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/°C 2.2 HEAD SPACE ABSENT: Yes No
Received in Good Condition: Yes No
Metals sample(s) Field Filtered: Yes No NA
Questions regarding COC: Call ESS
COMMENTS :

FIELD POINT: MW=Monitoring Well QCFD=Field Duplicate QCFB=Field Blank
CONTAINER TYPES:
1=VOAs 2=Glass 3=Poly 4=Liner 5=Air Canister 6=Tedlar Bag

MATRIX CODE: WG=Grdwtr. SO=Soil GS=Soil Gas

02/22/2008

Login Sample Receipt Check List

Client: GeoSyntec Consultants

Job Number: 720-13076-1

Login Number: 13076
Creator: Bullock, Tracy
List Number: 1

List Source: TestAmerica San Francisco

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ATTACHMENT 3
PDB STUDY FIELD AND LABORATORY ANALYTICAL REPORTS

Environmental Sampling Services

March 5, 2008

Ms. Melissa Asher
GeoSyntec Consultants
475-14th Street, Suite 450
Oakland, California 94612

SUBJECT: February 2008 Passive Diffusion Bag Sample Collection for Hopyard Cleaners, Pleasanton, California

Dear Ms. Asher,

Please find enclosed the Chain of Custody for the sample collection from the five monitoring wells located at 2771 Hopyard Blvd. in Pleasanton, California. The sampling event occurred February 29, 2008. All samples are identified with well identification followed by the suffix, "PDB". All groundwater samples collected were contained in 40-ml VOA containers and submitted to TestAmerica for EPA Method 8260B analysis with EDD reporting.

If you have any questions please do not hesitate to call us.

Sincerely,

Jacqueline Lee
Partner

Enclosure

6680 Alhambra Ave., #102 • Martinez, CA 94553-6105 • (925) 372-8108 • Fax: (925) 372-6705
www.envsampling.com

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA San Francisco Chain of Custody

1220 Quarry Lane ● Pleasanton CA 94566-4756
Phone: (925) 484-1919 ● Fax: (925) 600-3002

Reference #: _____
Date February 29 2008 Page 1 of 1

Report To

Attn: Melissa Asher
Company: Geosyntec Consultants
Address: 475 14th Street Suite 450 Oakland CA
Phone (510) 285-2782 Email: (510) 836-3030
Bill To: Geosyntec Cons.
Sampled By: ESS Stephen Perman
Attn: Accts. Payable
Phone:

Analysis Request

Sample ID	Date	Time	Matrix	Pres'v.	TPH EPA - ☐ 8015/8021 ☐ 8260B ☐ Gas w/ ☐ BTEX ☐ MTBE	Purgeable Aromatics BTEX EPA - ☐ 8021 ☐ 8260B	TEPH EPA 8015M* ☐ Silica Gel ☐ Diesel ☐ Motor Oil ☐ Other ___	Fuel Tests EPA 8260B: ☐ Gas ☐ BTEX ☐ Five Oxygenates ☐ DCA, EDB ☐ Ethanol	Purgeable Halocarbons (HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☒ EPA 8260B ☐ 624	Semivolatiles GC/MS ☐ EPA 8270 · ☐ 625	Oil and Grease ☐ Petroleum (EPA 1664) ☐ Total	Pesticides ☐ EPA 8081 ☐ 608 PCBs ☐ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☐ Other: ___	Low Level Metals by EPA 200.8/6020 (ICP-MS): ___	☐ W.E.T (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24h hold time for H_2O)	☐ Spec Cond. ☐ Alkalinity ☐ TSS ☐ TDS ☐	Anions : ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4				Number of Containers
Trip Blank	2/29/08	12:00	Water	HCl						X																3
MW-3PDB	2/29/08	12:05	water	HCl						X																4
MW-2PDB	2/29/08	13:25	water	HCl						X																3
MW-1PDB	2/29/08	13:50	water	HCl						X																4
MW-4PDB	2/29/08	13:15	water	HCl						X																4
MW-5PDB-S	2/29/08	13:25	water	HCl						X																4
MW-5PDB-D	2/29/08	13:45	water	HCl						X																4
																										40

Project Info.

Project Name: Hayward Cleaners
Project#: WR0574
PO#:
Credit Card#:

Sample Receipt

of Containers:
Head Space:
Temp: 9.6°C <4hrs
Conforms to record:

TAT: 5 Day | 72h | 48h | 24h | Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☒ EDD ☐ State Tank Fund EDF
Special Instructions / Comments: ☐ Global ID _____

See Terms and Conditions on reverse
*TestAmerica SF reports 8015M from C_9-C_{24} (industry norm). Default for 8015B is C_{10}-C_{28}

1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature: _____ Time: 14:30	Signature: _____ Time: _____	Signature: _____ Time: _____
Printed Name: Stephen Perman Date: 2/29/08	Printed Name: _____ Date: _____	Printed Name: _____ Date: _____
Company: Environmental Sampling Service	Company: _____	Company: _____

1) Received by:	2) Received by:	3) Received by:
Signature: _____ Time: 14:30	Signature: _____ Time: _____	Signature: _____ Time: _____
Printed Name: T Bullock Date: 2/29/08	Printed Name: _____ Date: _____	Printed Name: _____ Date: _____
Company: TAL-SF	Company: _____	Company: _____

Rev 06/04

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 720-13258-1

Job Description: Hopyard Cleaners

For:
GeoSyntec Consultants
475 14th Street, Suite 450
Oakland, CA 94612

Attention: Ms. Melissa Asher

Melissa Brewer

Melissa Brewer
Project Manager I
melissa.brewer@testamericainc.com
03/07/2008

cc: Ms. Angela Liang

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 484-1096 www.testamericainc.com

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: GeoSyntec Consultants

Job Number: 720-13258-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-13258-2	**MW-3PDB**				
cis-1,2-Dichloroethene		6.9	0.50	ug/L	8260B
Tetrachloroethene		58	0.50	ug/L	8260B
Trichloroethene		5.9	0.50	ug/L	8260B
720-13258-3	**MW-2PDB**				
cis-1,2-Dichloroethene		780	50	ug/L	8260B
Tetrachloroethene		5300	50	ug/L	8260B
Trichloroethene		360	50	ug/L	8260B
720-13258-4	**MW-1PDB**				
cis-1,2-Dichloroethene		330	20	ug/L	8260B
Tetrachloroethene		2000	20	ug/L	8260B
Trichloroethene		330	20	ug/L	8260B
720-13258-5	**MW-4PDB**				
cis-1,2-Dichloroethene		3.4	0.50	ug/L	8260B
Trichloroethene		3.0	0.50	ug/L	8260B
720-13258-6	**MW-5PDB-S**				
Tetrachloroethene		41	0.50	ug/L	8260B
720-13258-7	**MW-5PDB-D**				
Tetrachloroethene		33	0.50	ug/L	8260B

METHOD SUMMARY

Client: GeoSyntec Consultants

Job Number: 720-13258-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS (Low Level)	TAL SF	SW846 8260B	
Purge-and-Trap	TAL SF		SW846 5030B

Lab References:

TAL SF = TestAmerica San Francisco

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: GeoSyntec Consultants

Job Number: 720-13258-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-13258-1TB	TRIP BLANK	Water	02/29/2008 1200	02/29/2008 1430
720-13258-2	MW-3PDB	Water	02/29/2008 1205	02/29/2008 1430
720-13258-3	MW-2PDB	Water	02/29/2008 1225	02/29/2008 1430
720-13258-4	MW-1PDB	Water	02/29/2008 1250	02/29/2008 1430
720-13258-5	MW-4PDB	Water	02/29/2008 1315	02/29/2008 1430
720-13258-6	MW-5PDB-S	Water	02/29/2008 1325	02/29/2008 1430
720-13258-7	MW-5PDB-D	Water	02/29/2008 1345	02/29/2008 1430

Client: GeoSyntec Consultants

Job Number: 720-13258-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 720-13258-1TB
Client Matrix: Water

Date Sampled: 02/29/2008 1200
Date Received: 02/29/2008 1430

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2008 1137
Date Prepared: 03/05/2008 1137

Analysis Batch: 720-32667

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200803\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Client: GeoSyntec Consultants

Job Number: 720-13258-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 720-13258-1TB
Client Matrix: Water

Date Sampled: 02/29/2008 1200
Date Received: 02/29/2008 1430

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2008 1137
Date Prepared: 03/05/2008 1137

Analysis Batch: 720-32667

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200803\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	111	71 - 139
1,2-Dichloroethane-d4 (Surr)	103	62 - 118
Toluene-d8 (Surr)	105	73 - 117

Client: GeoSyntec Consultants

Job Number: 720-13258-1

Client Sample ID: MW-3PDB

Lab Sample ID: 720-13258-2
Client Matrix: Water

Date Sampled: 02/29/2008 1205
Date Received: 02/29/2008 1430

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2008 1424
Date Prepared: 03/05/2008 1424

Analysis Batch: 720-32667

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200803\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	6.9		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Client: GeoSyntec Consultants

Job Number: 720-13258-1

Client Sample ID: MW-3PDB

Lab Sample ID: 720-13258-2
Client Matrix: Water

Date Sampled: 02/29/2008 1205
Date Received: 02/29/2008 1430

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2008 1424
Date Prepared: 03/05/2008 1424

Analysis Batch: 720-32667

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200803\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	58		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	5.9		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	109	71 - 139
1,2-Dichloroethane-d4 (Surr)	102	62 - 118
Toluene-d8 (Surr)	105	73 - 117

Client: GeoSyntec Consultants

Job Number: 720-13258-1

Client Sample ID: MW-2PDB

Lab Sample ID: 720-13258-3
Client Matrix: Water

Date Sampled: 02/29/2008 1225
Date Received: 02/29/2008 1430

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 100
Date Analyzed: 03/05/2008 1458
Date Prepared: 03/05/2008 1458

Analysis Batch: 720-32667

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200803\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		500
Acetone	ND		5000
Benzene	ND		50
Dichlorobromomethane	ND		50
Bromobenzene	ND		100
Chlorobromomethane	ND		100
Bromoform	ND		100
Bromomethane	ND		100
2-Butanone (MEK)	ND		5000
n-Butylbenzene	ND		100
sec-Butylbenzene	ND		100
tert-Butylbenzene	ND		100
Carbon disulfide	ND		500
Carbon tetrachloride	ND		50
Chlorobenzene	ND		50
Chloroethane	ND		100
Chloroform	ND		100
Chloromethane	ND		100
2-Chlorotoluene	ND		50
4-Chlorotoluene	ND		50
Chlorodibromomethane	ND		50
1,2-Dichlorobenzene	ND		50
1,3-Dichlorobenzene	ND		50
1,4-Dichlorobenzene	ND		50
1,3-Dichloropropane	ND		100
1,1-Dichloropropene	ND		50
1,2-Dibromo-3-Chloropropane	ND		100
Ethylene Dibromide	ND		50
Dibromomethane	ND		50
Dichlorodifluoromethane	ND		50
1,1-Dichloroethane	ND		50
1,2-Dichloroethane	ND		50
1,1-Dichloroethene	ND		50
cis-1,2-Dichloroethene	780		50
trans-1,2-Dichloroethene	ND		50
1,2-Dichloropropane	ND		50
cis-1,3-Dichloropropene	ND		50
trans-1,3-Dichloropropene	ND		50
Ethylbenzene	ND		50
Hexachlorobutadiene	ND		100
2-Hexanone	ND		5000
Isopropylbenzene	ND		50
4-Isopropyltoluene	ND		100
Methylene Chloride	ND		500

Client: GeoSyntec Consultants

Job Number: 720-13258-1

Client Sample ID: MW-2PDB

Lab Sample ID: 720-13258-3
Client Matrix: Water

Date Sampled: 02/29/2008 1225
Date Received: 02/29/2008 1430

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 100
Date Analyzed: 03/05/2008 1458
Date Prepared: 03/05/2008 1458

Analysis Batch: 720-32667

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200803\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		5000
Naphthalene	ND		100
N-Propylbenzene	ND		100
Styrene	ND		50
1,1,1,2-Tetrachloroethane	ND		50
1,1,2,2-Tetrachloroethane	ND		50
Tetrachloroethene	5300		50
Toluene	ND		50
1,2,3-Trichlorobenzene	ND		100
1,2,4-Trichlorobenzene	ND		100
1,1,1-Trichloroethane	ND		50
1,1,2-Trichloroethane	ND		50
Trichloroethene	360		50
Trichlorofluoromethane	ND		100
1,2,3-Trichloropropane	ND		50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50
1,2,4-Trimethylbenzene	ND		50
1,3,5-Trimethylbenzene	ND		50
Vinyl acetate	ND		5000
Vinyl chloride	ND		50
Xylenes, Total	ND		100
2,2-Dichloropropane	ND		50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	112	71 - 139
1,2-Dichloroethane-d4 (Surr)	105	62 - 118
Toluene-d8 (Surr)	102	73 - 117

Client: GeoSyntec Consultants | Job Number: 720-13258-1

Client Sample ID: MW-1PDB

Lab Sample ID: 720-13258-4 | Date Sampled: 02/29/2008 1250
Client Matrix: Water | Date Received: 02/29/2008 1430

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-32621 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200803\03
Dilution: 40 | Initial Weight/Volume: 40 mL
Date Analyzed: 03/04/2008 2010 | Final Weight/Volume: 40 mL
Date Prepared: 03/04/2008 2010

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		200
Acetone	ND		2000
Benzene	ND		20
Dichlorobromomethane	ND		20
Bromobenzene	ND		40
Chlorobromomethane	ND		40
Bromoform	ND		40
Bromomethane	ND		40
2-Butanone (MEK)	ND		2000
n-Butylbenzene	ND		40
sec-Butylbenzene	ND		40
tert-Butylbenzene	ND		40
Carbon disulfide	ND		200
Carbon tetrachloride	ND		20
Chlorobenzene	ND		20
Chloroethane	ND		40
Chloroform	ND		40
Chloromethane	ND		40
2-Chlorotoluene	ND		20
4-Chlorotoluene	ND		20
Chlorodibromomethane	ND		20
1,2-Dichlorobenzene	ND		20
1,3-Dichlorobenzene	ND		20
1,4-Dichlorobenzene	ND		20
1,3-Dichloropropane	ND		40
1,1-Dichloropropene	ND		20
1,2-Dibromo-3-Chloropropane	ND		40
Ethylene Dibromide	ND		20
Dibromomethane	ND		20
Dichlorodifluoromethane	ND		20
1,1-Dichloroethane	ND		20
1,2-Dichloroethane	ND		20
1,1-Dichloroethene	ND		20
cis-1,2-Dichloroethene	330		20
trans-1,2-Dichloroethene	ND		20
1,2-Dichloropropane	ND		20
cis-1,3-Dichloropropene	ND		20
trans-1,3-Dichloropropene	ND		20
Ethylbenzene	ND		20
Hexachlorobutadiene	ND		40
2-Hexanone	ND		2000
Isopropylbenzene	ND		20
4-Isopropyltoluene	ND		40
Methylene Chloride	ND		200

Client: GeoSyntec Consultants

Job Number: 720-13258-1

Client Sample ID: MW-1PDB

Lab Sample ID: 720-13258-4
Client Matrix: Water

Date Sampled: 02/29/2008 1250
Date Received: 02/29/2008 1430

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 40
Date Analyzed: 03/04/2008 2010
Date Prepared: 03/04/2008 2010

Analysis Batch: 720-32621

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200803\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		2000
Naphthalene	ND		40
N-Propylbenzene	ND		40
Styrene	ND		20
1,1,1,2-Tetrachloroethane	ND		20
1,1,2,2-Tetrachloroethane	ND		20
Tetrachloroethene	2000		20
Toluene	ND		20
1,2,3-Trichlorobenzene	ND		40
1,2,4-Trichlorobenzene	ND		40
1,1,1-Trichloroethane	ND		20
1,1,2-Trichloroethane	ND		20
Trichloroethene	330		20
Trichlorofluoromethane	ND		40
1,2,3-Trichloropropane	ND		20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20
1,2,4-Trimethylbenzene	ND		20
1,3,5-Trimethylbenzene	ND		20
Vinyl acetate	ND		2000
Vinyl chloride	ND		20
Xylenes, Total	ND		40
2,2-Dichloropropane	ND		20

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	109	71 - 139
1,2-Dichloroethane-d4 (Surr)	106	62 - 118
Toluene-d8 (Surr)	103	73 - 117

Client: GeoSyntec Consultants

Job Number: 720-13258-1

Client Sample ID: MW-4PDB

Lab Sample ID: 720-13258-5
Client Matrix: Water

Date Sampled: 02/29/2008 1315
Date Received: 02/29/2008 1430

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2008 1531
Date Prepared: 03/05/2008 1531

Analysis Batch: 720-32667

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200803\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	3.4		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Client: GeoSyntec Consultants | Job Number: 720-13258-1

Client Sample ID: **MW-4PDB**

Lab Sample ID: 720-13258-5 | Date Sampled: 02/29/2008 1315
Client Matrix: Water | Date Received: 02/29/2008 1430

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-32667 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200803\03
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 03/05/2008 1531 | Final Weight/Volume: 40 mL
Date Prepared: 03/05/2008 1531

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	3.0		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	111	71 - 139
1,2-Dichloroethane-d4 (Surr)	105	62 - 118
Toluene-d8 (Surr)	102	73 - 117

Client: GeoSyntec Consultants | Job Number: 720-13258-1

Client Sample ID: MW-5PDB-S

Lab Sample ID: 720-13258-6 | Date Sampled: 02/29/2008 1325
Client Matrix: Water | Date Received: 02/29/2008 1430

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-32667 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200803\03
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 03/05/2008 1605 | Final Weight/Volume: 40 mL
Date Prepared: 03/05/2008 1605

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Client: GeoSyntec Consultants | Job Number: 720-13258-1

Client Sample ID: **MW-5PDB-S**

Lab Sample ID: 720-13258-6 | Date Sampled: 02/29/2008 1325
Client Matrix: Water | Date Received: 02/29/2008 1430

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-32667 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200803\03
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 03/05/2008 1605 | Final Weight/Volume: 40 mL
Date Prepared: 03/05/2008 1605

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	41		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	111	71 - 139
1,2-Dichloroethane-d4 (Surr)	100	62 - 118
Toluene-d8 (Surr)	101	73 - 117

Client: GeoSyntec Consultants | Job Number: 720-13258-1

Client Sample ID: MW-5PDB-D

Lab Sample ID: 720-13258-7 | Date Sampled: 02/29/2008 1345
Client Matrix: Water | Date Received: 02/29/2008 1430

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B | Analysis Batch: 720-32667 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200803\03
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 03/05/2008 1638 | Final Weight/Volume: 40 mL
Date Prepared: 03/05/2008 1638

Analyte	Result (ug/L)	Qualifier	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0

Client: GeoSyntec Consultants

Job Number: 720-13258-1

Client Sample ID: MW-5PDB-D

Lab Sample ID: 720-13258-7
Client Matrix: Water

Date Sampled: 02/29/2008 1345
Date Received: 02/29/2008 1430

8260B Volatile Organic Compounds by GC/MS (Low Level)

Method: 8260B
Preparation: 5030B
Dilution: 1.0
Date Analyzed: 03/05/2008 1638
Date Prepared: 03/05/2008 1638

Analysis Batch: 720-32667

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200803\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (ug/L)	Qualifier	RL
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	33		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	%Rec	Acceptance Limits
4-Bromofluorobenzene	113	71 - 139
1,2-Dichloroethane-d4 (Surr)	107	62 - 118
Toluene-d8 (Surr)	103	73 - 117

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: GeoSyntec Consultants

Job Number: 720-13258-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-32621					
LCS 720-32621/2	Lab Control Spike	T	Water	8260B	
LCSD 720-32621/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-32621/3	Method Blank	T	Water	8260B	
720-13258-4	MW-1PDB	T	Water	8260B	
Analysis Batch:720-32667					
LCS 720-32667/2	Lab Control Spike	T	Water	8260B	
LCSD 720-32667/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-32667/3	Method Blank	T	Water	8260B	
720-13258-1TB	TRIP BLANK	T	Water	8260B	
720-13258-2	MW-3PDB	T	Water	8260B	
720-13258-3	MW-2PDB	T	Water	8260B	
720-13258-5	MW-4PDB	T	Water	8260B	
720-13258-6	MW-5PDB-S	T	Water	8260B	
720-13258-7	MW-5PDB-D	T	Water	8260B	

Report Basis
T = Total

Client: GeoSyntec Consultants

Job Number: 720-13258-1

Method Blank - Batch: 720-32621

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32621/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/04/2008 1116
Date Prepared: 03/04/2008 1116

Analysis Batch: 720-32621
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200803\0
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: GeoSyntec Consultants

Job Number: 720-13258-1

Method Blank - Batch: 720-32621

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32621/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/04/2008 1116
Date Prepared: 03/04/2008 1116

Analysis Batch: 720-32621
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200803\0
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	106	71 - 139
1,2-Dichloroethane-d4 (Surr)	114	62 - 118
Toluene-d8 (Surr)	112	73 - 117

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: GeoSyntec Consultants

Job Number: 720-13258-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32621

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-32621/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/04/2008 1009
Date Prepared: 03/04/2008 1009

Analysis Batch: 720-32621
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200803\0
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-32621/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/04/2008 1042
Date Prepared: 03/04/2008 1042

Analysis Batch: 720-32621
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200803\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	96	98	69 - 129	2	20		
Chlorobenzene	102	102	61 - 121	0	20		
1,1-Dichloroethene	102	102	65 - 125	0	20		
Toluene	100	98	70 - 130	2	20		
Trichloroethene	96	97	74 - 134	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	95	96	71 - 139
1,2-Dichloroethane-d4 (Surr)	98	97	62 - 118
Toluene-d8 (Surr)	102	97	73 - 117

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: GeoSyntec Consultants

Job Number: 720-13258-1

Method Blank - Batch: 720-32667

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32667/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/05/2008 1104
Date Prepared: 03/05/2008 1104

Analysis Batch: 720-32667
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200803\0
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Methyl tert-butyl ether	ND		5.0
Acetone	ND		50
Benzene	ND		0.50
Dichlorobromomethane	ND		0.50
Bromobenzene	ND		1.0
Chlorobromomethane	ND		1.0
Bromoform	ND		1.0
Bromomethane	ND		1.0
2-Butanone (MEK)	ND		50
n-Butylbenzene	ND		1.0
sec-Butylbenzene	ND		1.0
tert-Butylbenzene	ND		1.0
Carbon disulfide	ND		5.0
Carbon tetrachloride	ND		0.50
Chlorobenzene	ND		0.50
Chloroethane	ND		1.0
Chloroform	ND		1.0
Chloromethane	ND		1.0
2-Chlorotoluene	ND		0.50
4-Chlorotoluene	ND		0.50
Chlorodibromomethane	ND		0.50
1,2-Dichlorobenzene	ND		0.50
1,3-Dichlorobenzene	ND		0.50
1,4-Dichlorobenzene	ND		0.50
1,3-Dichloropropane	ND		1.0
1,1-Dichloropropene	ND		0.50
1,2-Dibromo-3-Chloropropane	ND		1.0
Ethylene Dibromide	ND		0.50
Dibromomethane	ND		0.50
Dichlorodifluoromethane	ND		0.50
1,1-Dichloroethane	ND		0.50
1,2-Dichloroethane	ND		0.50
1,1-Dichloroethene	ND		0.50
cis-1,2-Dichloroethene	ND		0.50
trans-1,2-Dichloroethene	ND		0.50
1,2-Dichloropropane	ND		0.50
cis-1,3-Dichloropropene	ND		0.50
trans-1,3-Dichloropropene	ND		0.50
Ethylbenzene	ND		0.50
Hexachlorobutadiene	ND		1.0
2-Hexanone	ND		50

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: GeoSyntec Consultants

Job Number: 720-13258-1

Method Blank - Batch: 720-32667

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-32667/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/05/2008 1104
Date Prepared: 03/05/2008 1104

Analysis Batch: 720-32667
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200803\0
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Isopropylbenzene	ND		0.50
4-Isopropyltoluene	ND		1.0
Methylene Chloride	ND		5.0
4-Methyl-2-pentanone (MIBK)	ND		50
Naphthalene	ND		1.0
N-Propylbenzene	ND		1.0
Styrene	ND		0.50
1,1,1,2-Tetrachloroethane	ND		0.50
1,1,2,2-Tetrachloroethane	ND		0.50
Tetrachloroethene	ND		0.50
Toluene	ND		0.50
1,2,3-Trichlorobenzene	ND		1.0
1,2,4-Trichlorobenzene	ND		1.0
1,1,1-Trichloroethane	ND		0.50
1,1,2-Trichloroethane	ND		0.50
Trichloroethene	ND		0.50
Trichlorofluoromethane	ND		1.0
1,2,3-Trichloropropane	ND		0.50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50
1,2,4-Trimethylbenzene	ND		0.50
1,3,5-Trimethylbenzene	ND		0.50
Vinyl acetate	ND		50
Vinyl chloride	ND		0.50
Xylenes, Total	ND		1.0
2,2-Dichloropropane	ND		0.50

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	111	71 - 139
1,2-Dichloroethane-d4 (Surr)	104	62 - 118
Toluene-d8 (Surr)	105	73 - 117

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: GeoSyntec Consultants

Job Number: 720-13258-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-32667

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-32667/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/05/2008 0957
Date Prepared: 03/05/2008 0957

Analysis Batch: 720-32667
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200803\0
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-32667/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/05/2008 1030
Date Prepared: 03/05/2008 1030

Analysis Batch: 720-32667
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200803\03
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	94	82	69 - 129	14	20		
Chlorobenzene	108	97	61 - 121	11	20		
1,1-Dichloroethene	92	81	65 - 125	12	20		
Toluene	95	83	70 - 130	13	20		
Trichloroethene	93	81	74 - 134	14	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	99	102	71 - 139
1,2-Dichloroethane-d4 (Surr)	90	96	62 - 118
Toluene-d8 (Surr)	90	97	73 - 117

Calculations are performed before rounding to avoid round-off errors in calculated results.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

720-13258

TESTAMERICA San Francisco Chain of Custody

1220 Quarry Lane • Pleasanton CA 94566-4756

Phone: (925) 484-1919 • Fax: (925) 600-3002

Reference #: 109666

Date February 29, 2008 Page 1 of 1

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Report To

Attn: Melissa Asher

Company: Geosyntec Consultants

Address: 475 14th Street Suite 450 Oakland CA

Phone (510) 285-2782 Email: (510) 836-3030

Bill To: Geosyntec Cons.

Sampled By: ESS Stephen Penman

Attn: Accts Payable

Phone:

Analysis Request

Sample ID	Date	Time	Matrix	Preserv.	TPH EPA - ☐ 8015/8021 ☐ 8260B ☐ Gas w/ ☐ BTEX ☐ MTBE	Purgeable Aromatics BTEX EPA - ☐ 8021 ☐ 8260B	TEPH EPA 8015M* ☐ Silica Gel ☐ Diesel ☐ Motor Oil ☐ Other	Fuel Tests EPA 8260B: ☐ Gas ☐ BTEX ☐ Five Oxyenates ☐ DCA, EDB ☐ Ethanol	Purgeable Halocarbons (HVOCs) EPA 8021 by 8260B	Volatile Organics GC/MS (VOCs) ☒ EPA 8260B ☐ 624	Semivolatiles GC/MS ☐ EPA 8270 ☐ 625	Oil and Grease ☐ Petroleum (EPA 1664) ☐ Total	Pesticides ☐ EPA 8081 ☐ 608 PCBs ☐ EPA 8082 ☐ 608	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ Lead ☐ LUFT ☐ RCRA ☐ Other:	Low Level Metals by EPA 200.8/6020 (ICP-MS):	☐ W.E.T (STLC) ☐ TCLP	☐ Hexavalent Chromium ☐ pH (24h hold time for H_2O)	☐ Spec Cond. ☐ Alkalinity ☐ TSS ☐ TDS ☐	Anions : ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4	Number of Containers
Trip Blank	2/29/08	12:00	Water	HCl						X												3
MW-3PDB	2/29/08	12:05	water	HCl						X												4
MW-2PDB	2/29/08	13:15	water	HCl						X												3
MW-1PDB	2/29/08	13:50	water	HCl						X												4
MW-4PDB	2/29/08	13:15	water	HCl						X												4
MW-5PDB-S	2/29/08	13:25	water	HCl						X												4
MW-5PDB-D	2/29/08	13:45	water	HCl						X												4
																						AP

Project Info.

Project Name: Hayward Cleaners

Project#: WR0574

PO#:

Credit Card#:

Sample Receipt

of Containers:

Head Space:

Temp: 9.6°C 4HMS

Conforms to record:

TAT: 5 Day | 72h | 48h | 24h | Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☒ EDD ☐ State Tank Fund EDF

Special Instructions / Comments: ☐ Global ID _____

See Terms and Conditions on reverse

*TestAmerica SF reports 8015M from C_9-C_{24} (industry norm). Default for 8015B is C_{10}-C_{25}

1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature: [signature] Time: 14:30	Signature: Time:	Signature: Time:
Printed Name: Stephen Penman Date: 2/29/08	Printed Name: Date:	Printed Name: Date:
Company: Environmental Sampling Services	Company:	Company:

1) Received by:	2) Received by:	3) Received by:
Signature: [signature] Time: 14:30	Signature: Time:	Signature: Time:
Printed Name: T Bullock Date: 2/29/08	Printed Name: Date:	Printed Name: Date:
Company: TAL SF	Company:	Company:

Rev 06/04

Login Sample Receipt Check List

Client: GeoSyntec Consultants

Job Number: 720-13258-1

Login Number: 13258
List Source: TestAmerica San Francisco
Creator: Bullock, Tracy
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	