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22 July 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 Second 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 this second quarter 2008 groundwater monitoring report for Hopyard Cleaners located at 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. R2-2008-0032, issued on 29 May 2008.

The Site monitoring well network consists of five wells (MW-1 through MW-5). For discussion purposes, the uppermost groundwater zone beneath the Site, which occurs from about 20 to 35 feet below ground surface (ft bgs), is referred to as the A Zone, while the deep groundwater from about 40 to 60 ft bgs is referred to as the B Zone. Wells MW-1 through MW-4 monitoring groundwater in the A Zone beneath the Site. Monitoring well MW-5 monitors groundwater in the B 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 following work was performed during the second quarter 2008:

- The second quarter groundwater monitoring event was performed on 16 May 2008 and included the second passive diffusion bag (PDB) sampler comparison study. This work is discussed in detail in the following sections.

- A report repository was established at the City of Pleasanton Public Library located at 400 Old Bernal Avenue in Pleasanton, California.

- 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, and they were submitted to the repository at the City of Pleasanton Public Library during the week of 21 April 2008.

- Additional characterization of the deeper groundwater downgradient of the Site was conducted on 28 and 29 April 2008, as outlined in the *Revised Groundwater Characterization Work Plan – Deeper Zone* submitted to the RWQCB on 29 February 2008[1]. The results of the deeper zone characterization and a work plan for additional deep zone monitoring well installation were reported to the RWQCB in the *Deeper Zone Groundwater Characterization Results and Monitoring Well Installation Work Plan* on 23 June 2008.

QUARTERLY GROUNDWATER MONITORING

Quarterly groundwater monitoring was performed at the Site on 16 May 2008, as 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.

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

Groundwater Elevations and Flow Conditions

Table 2 summarizes groundwater elevations measured during this and previous sampling events. Groundwater in the A Zone (MW-1 through MW-4) beneath the Site was encountered between 11.30 and 12.18 feet bgs. These depths correspond to groundwater elevations between 314.07 and 314.39 feet above Mean Sea Level (MSL). Groundwater in the B Zone monitored by MW-5 was encountered at 23.06 feet bgs, which corresponds to an elevation of 304.13 feet MSL.

Water levels measured in the A Zone wells taken during the second quarter 2008 event were used to construct groundwater elevation contours, as shown in Figure 2. The second quarter 2008 groundwater contours indicate a general groundwater flow to the north-northwest with an average gradient of 0.0031 feet per feet (ft/ft) (16.5 feet per mile (ft/mi)). This gradient and flow direction is consistent with previous monitoring events, as shown on Table 3.

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 4 summarizes analytical results for groundwater samples collected during the second 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 seventh monitoring event since wells MW-1 through MW-3 were installed in September 2006 and the fourth 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 5,800 and 460 micrograms per liter (µg/L), respectively. These results are within the historical concentrations, which have 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[2] and was verbally approved by the RWQCB in a conference call on 12 March 2008. Part one of the PDB study was completed in the first quarter 2008, and part two was conducted during this second quarter 2008 monitoring event.

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.

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 second quarter 2008 are described below.

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[2] 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.

During the second quarter 2008 sampling event, the PDBs were deployed in all five monitoring wells on 28 and 29 April 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. Table 5 provides the PDB deployment depth(s) for each well during the second quarter 2008 sampling event. During the first quarter 2008 monitoring, detected VOC concentrations in PDB samples collected from the shallow (52.5 ft bgs) and deep (57.5 ft bgs) PDBs in MW-5 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; therefore PDBs were deployed in the center of the MW-5 well screen (at 55 ft bgs) for the second quarter 2008 PDB comparison study.

The PDBs remained in the wells for a period of at least two weeks. ESS removed the PDBs and immediately sampled them on 16 May 2008 prior to sampling the wells via peristaltic pump. 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 second quarter 2008 PDB comparison sampling are provided in Attachments 1 and 2, respectively.

Results of PDB Comparison Study

A summary of analytical results for the first and second quarter 2008 PDB sampling in comparison to the first and second quarter 2008 groundwater sampling results via peristaltic pump are provided on Table 6. 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 the PDB sampling method. These results indicate that PDB samplers are an appropriate and reliable method of monitoring VOCs at this Site. Therefore, PDBs will now replace sampling via peristaltic pump beginning in the third quarter 2008.

FUTURE WORK

The following work will be completed during the third quarter 2008:

- The *Soil Vapor Extraction System Design and Operation Plan* will be submitted to the RWQCB by 15 July 2008 with implementation of the SVE system by 1 September 2008.

- A technical report documenting the procedures to be used to minimize human exposure to soil and groundwater prior to meeting cleanup standards at the Site will be submitted by 31 July 2008.

- The *Revised Remedial Action Plan*, including a human health risk assessment will be submitted to the RWQCB on 29 August 2008 (anticipated submittal date).

- Deep zone monitoring well installation, as detailed in the *Deeper Zone Groundwater Characterization Results and Monitoring Well Installation Work Plan,* will be completed during the third quarter 2008 and will be reported to the RWQCB by 15 September 2008.

- The next quarterly groundwater monitoring event will be performed in the third quarter 2008. New PDBs were deployed in the wells for the third quarter 2008 sampling event on 16 May 2008 after second quarter 2008 monitoring was complete. The results of the quarterly monitoring will be discussed in the third quarter 2008 monitoring report due to the RWQCB on 31 October 2008.

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

Sincerely,

Melissa A. Asher

Melissa Asher
Senior Staff Engineer

Hanchih Liang

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

Attachments:

	Table 1	Well Construction Summary
	Table 2	Groundwater Elevations
	Table 3	Groundwater Gradient Summary – A Zone
	Table 4	Groundwater Analytical Summary

Table 5	PDB Deployment Information – PDB Study
Table 6	PDB Study Analytical Summary
Figure 1	Site Location
Figure 2	Second Quarter 2008 Groundwater Elevation Contours and Analytical Results
Figure 3	Second Quarter 2008 PCE Isoconcentration Contours in A Zone Groundwater (20 to 35 ft bgs)
Figure 4	Second Quarter 2008 PCE Isoconcentration Contours in B Zone Groundwater (40 to 60 ft bgs)
Figure 5	Second Quarter 2008 TCE Isoconcentration Contours in A Zone Groundwater (20 to 35 ft bgs)
Attachment 1	Environmental Sampling Services Field Report
Attachment 2	Laboratory Analytical Report

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		
A Zone Monitoring Wells										
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
B Zone Monitoring Wells										
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)
A Zone Monitoring Wells				
MW-1 (20-30 ft bgs)	325.77	5/16/2008	11.70	314.07
		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	5/16/2008	11.30	314.39
		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	5/16/2008	12.18	314.09
		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	5/16/2008	12.12	314.15
		2/15/2008	12.05	314.22
		1/3/2008	14.73	311.54
		8/3/2007	15.85	310.42
B Zone Monitoring Wells				
MW-5 (50-60 ft bgs)	327.19	5/16/2008	23.06	304.13
		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 Gradient Summary - A Zone
Hopyard Cleaners
Pleasanton, California

Date	Gradient		Flow Direction
	ft/ft	ft/mi	
5/16/2008	0.0031	16.5	North-Northwest
2/15/2008	0.0038	20.5	Northwest
1/3/2008	0.0025	13.2	Northwest
8/3/2007	0.0070	37.0	West-Northwest
5/11/2007	0.0030	15.8	North-Northwest
2/9/2007	0.0010	5.3	North-Northwest
11/20/2006	0.0040	22.0	Northwest

Notes:
ft/ft = feet per feet
ft/mi = feet per mile

Table 4
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
A Zone Monitoring Wells					
MW-1 (20-30 ft bgs)	5/16/2008	Purge and Sample	250	1,600	280
	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)	5/16/2008	Purge and Sample	900 / 930	5,800 / 5,900	460 / 450
	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)	5/16/2008	Purge and Sample	5.0	39	4.3
	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)	5/16/2008	Purge and Sample	3.7	<0.50	2.6
	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
B Zone Monitoring Wells					
MW-5 (50-60 ft bgs)	5/16/2008	Purge and Sample	<0.50	24	<0.50
	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 6
PDB Study Analytical Summary
Hopyard Cleaners
Pleasanton, California

Well I.D.	Sample Date	Sampling Method	EPA Method 8260B (ug/L)		
			cis-1,2-DCE	PCE	TCE
A Zone Monitoring Wells					
MW-1	5/16/2008	PDB (25.0 ft bgs)	260	1,900	310
	5/16/2008	Purge and Sample	250	1,600	280
	2/29/2008	PDB (25.0 ft bgs)	330	2,000	330
	2/15/2008	Purge and Sample	230	1,400	250
MW-2	5/16/2008	PDB (25.5 ft bgs)	940	6,700	480
	5/16/2008	Purge and Sample	900 / 930	5,800 / 5,900	460 / 450
	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	5/16/2008	PDB (25.0 ft bgs)	5.4	46	4.4
	5/16/2008	Purge and Sample	5.0	39	4.3
	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	5/16/2008	PDB (27.5 ft bgs)	3.6	<0.50	2.7
	5/16/2008	Purge and Sample	3.7	<0.50	2.6
	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
B Zone Monitoring Wells					
MW-5	5/16/2008	PDB (55 ft bgs)	<0.50	34	<0.50
	5/16/2008	Purge and Sample	<0.50	24	<0.50
	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

Table 5
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)[1]	Comments
MW-1	20 - 30	24 - 26 [2]	25.0	PDB deployed in center of 2 ft thick water-bearing zone
MW-2	20 - 30	23 - 28	25.5	PDB deployed in center of 5 ft thick water-bearing zone
MW-3	20 - 30	24 - 26 [2]	25.0	PDB deployed in center of 2 ft thick water-bearing zone
MW-4	25 - 35	25 - 30	27.5	PDB deployed in center of 5 ft thick water-bearing zone
MW-5	50 - 60	50 - 60	55 [3]	PDB ceployed in center of 10 ft thick water-bearing zone

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

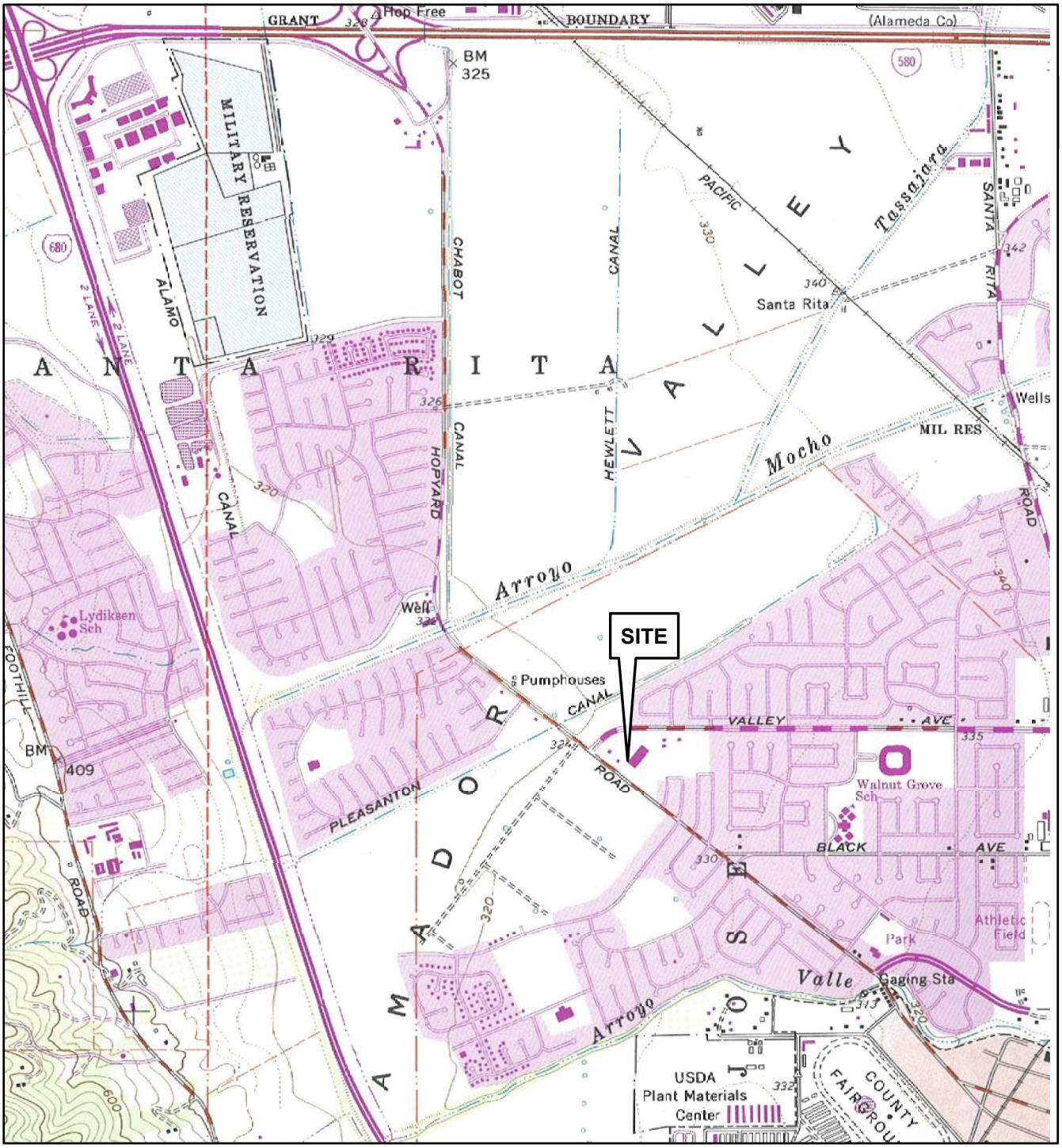
2 Stratigraphy based on soil electrical conductivity responses at MIP borings near well

3 The MW-5 water-bearing zone spans 10 feet. Two PDBs were deployed for 1st Quarter 2008: one for 50-55 ft bgs and one for 55-60 ft bgs. No stratification was observed. Therefore, one PDB was deployed at 55 ft bgs for the 2nd Quarter 2008

ft bgs - feet below ground surface

PDB - Passive Diffision Bag

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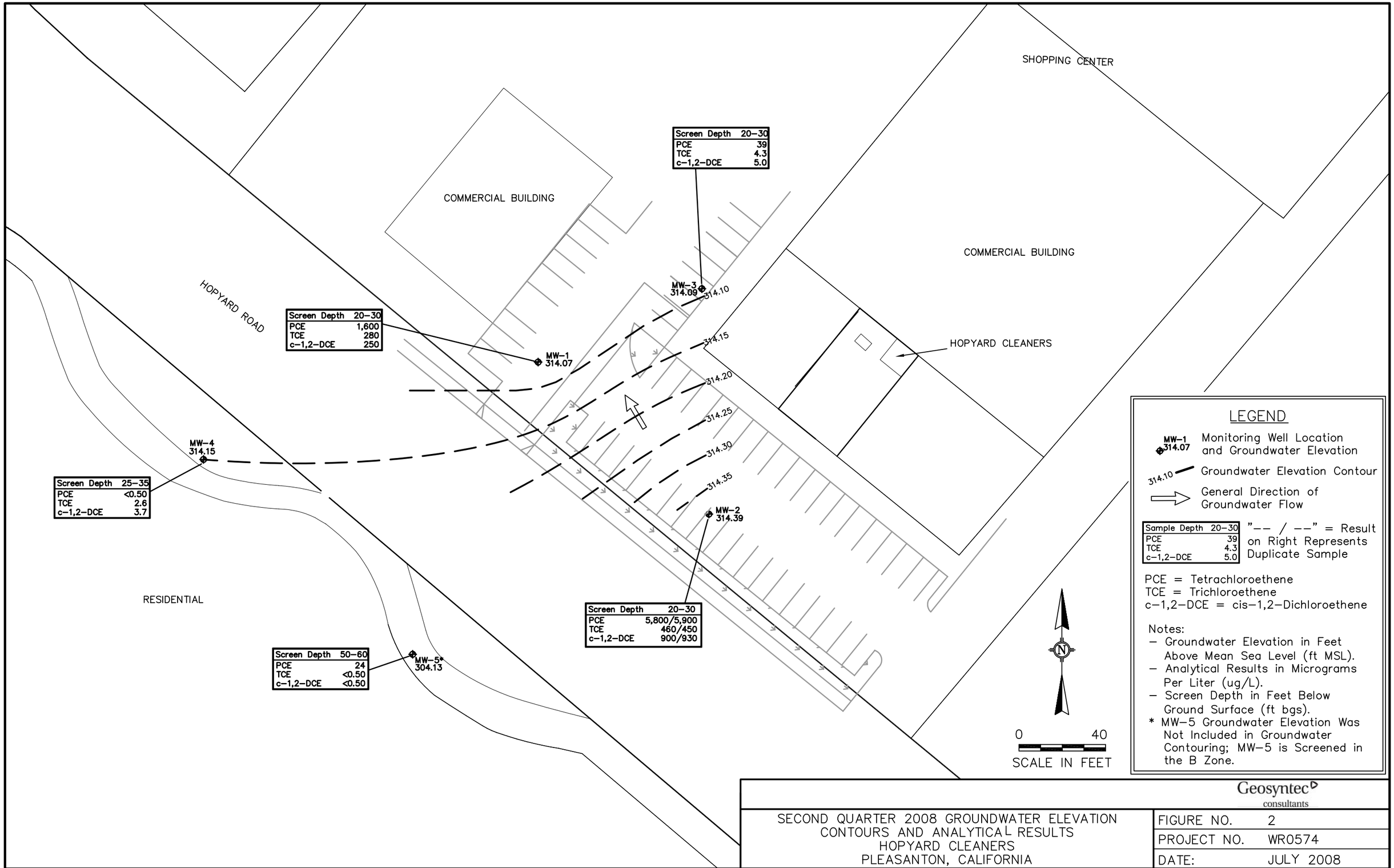
FIGURE NO.	1
PROJECT NO.	WR0574
DATE:	JULY 2008

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



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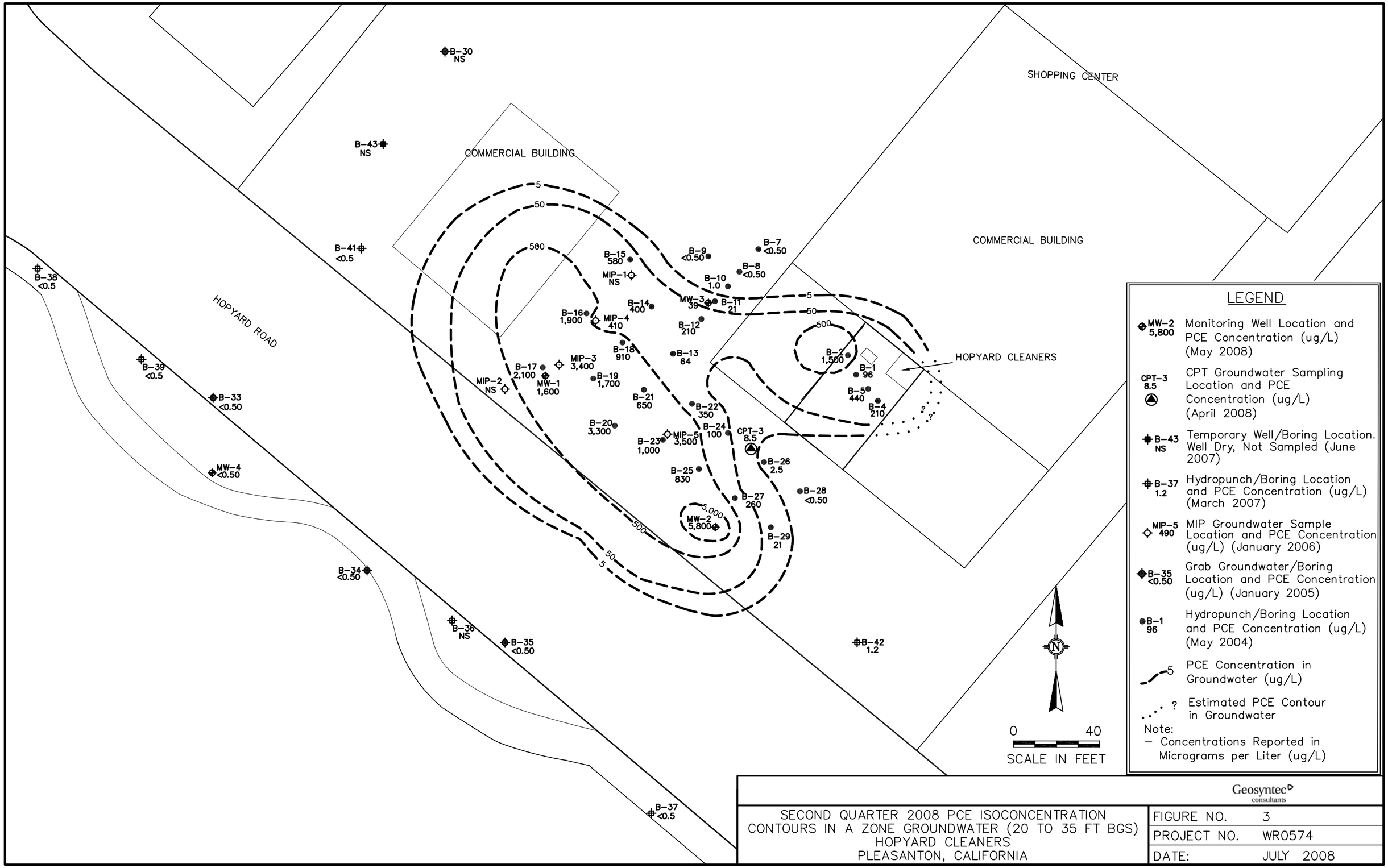
SECOND QUARTER 2008 GROUNDWATER ELEVATION CONTOURS AND ANALYTICAL RESULTS
HOPYARD CLEANERS
PLEASANTON, CALIFORNIA

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

P:\PRJ2003REM\Hopyard Cleaners\Quarterly Monitoring Reports\2Q08\Figures\Figure 2 – GW Cont – Analytical.dwg 6–23–08



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SECOND QUARTER 2008 PCE ISOCONCENTRATION CONTOURS IN A ZONE GROUNDWATER (20 TO 35 FT BGS)
HOPYARD CLEANERS
PLEASANTON, CALIFORNIA

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

P:\PRJ2003REM\Hopyard Cleaners\Quarterly Monitoring Reports\2Q08\Figures\Figure 3 – PCE in GW–Shallow.dwg 6–23–08

SHOPPING CENTER

COMMERCIAL BUILDING

COMMERCIAL BUILDING

HOPYARD CLEANERS

HOPYARD ROAD

B-41
1.5

B-38
<0.5

B-39
NS

MIP-2
22

MIP-5
33

B-42
6.8

B-36
28

MW-5
24

B-37
9.0

CPT-1
<0.50

CPT-2
2.7

RESIDENTIAL

CORTE MENTE

CORTE LIBRE

5

?

N

0 60
SCALE IN FEET

LEGEND

- MW-5 / 24 — Monitoring Well Location, Screen Interval, and PCE Concentration (ug/L) (May 2008)
- CPT-1 / <0.50 — CPT Groundwater Sampling Location and PCE Concentration (ug/L) (April 2008)
- B-37 / 9.0 — Hydropunch/Boring Location and PCE Concentration (ug/L) (March 2007)
- MIP-5 / 33 — MIP Groundwater Sample Location and PCE Concentration (ug/L) (January 2006)
- General A Zone Groundwater Flow Direction
- 5 — PCE Concentration in Groundwater (ug/L)
- ? — Estimated PCE Contour in Groundwater

Note:
- Screen Depth in Feet Below Ground Surface (ft bgs)
- Concentrations Reported in Micrograms per Liter (ug/L)

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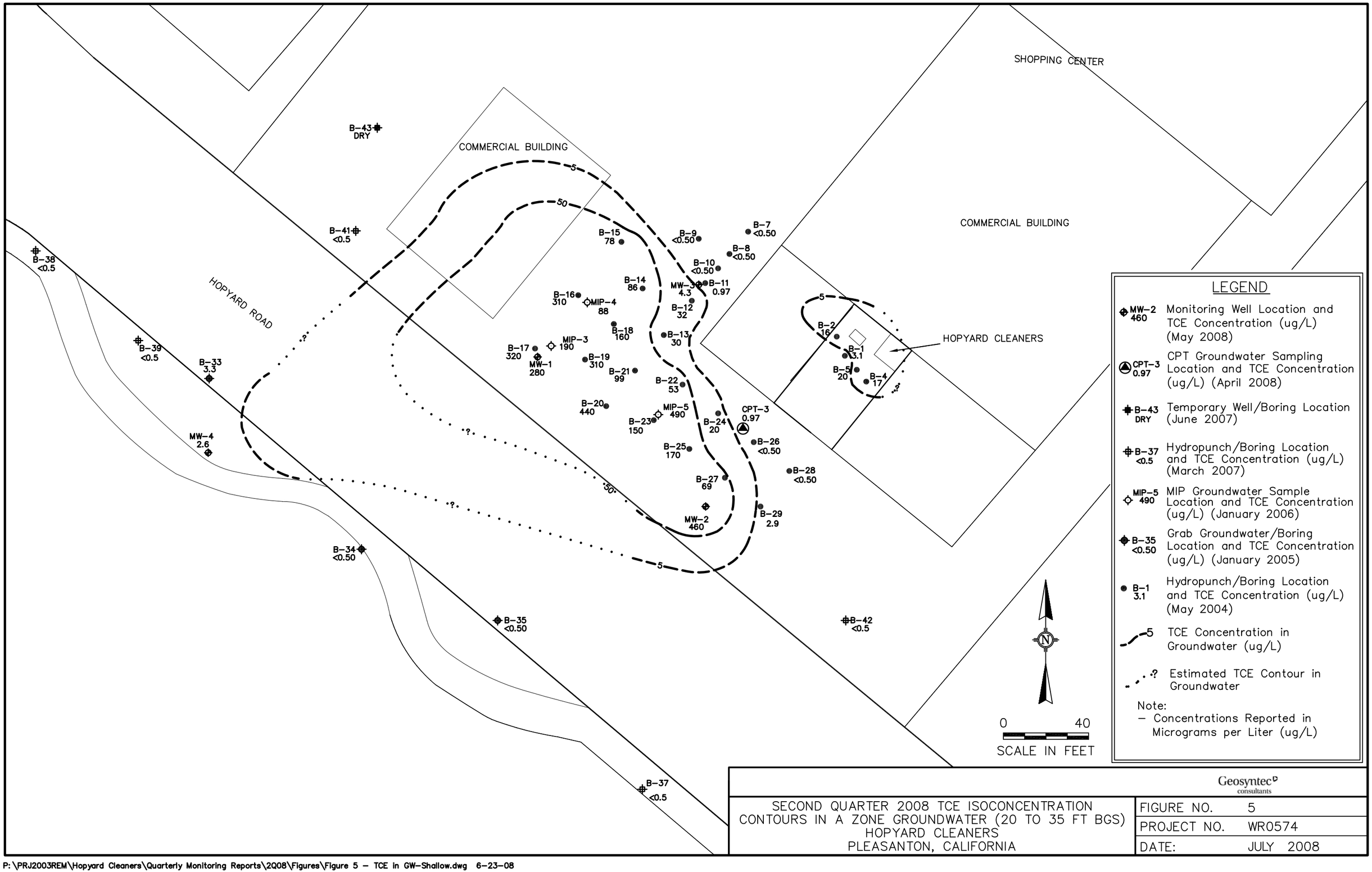
SECOND QUARTER 2008 PCE ISOCONCENTRATION CONTOURS IN B ZONE GROUNDWATER (40 TO 60 FT BGS)
HOPYARD CLEANERS
PLEASANTON, CALIFORNIA

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

P:\PRJ2003REM\Hopyard Cleaners\Quarterly Monitoring Reports\2Q08\Figures\Figure 4 – PCE in GW Deep.dwg 6-23-08



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SECOND QUARTER 2008 TCE ISOCONCENTRATION CONTOURS IN A ZONE GROUNDWATER (20 TO 35 FT BGS)
HOPYARD CLEANERS
PLEASANTON, CALIFORNIA

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

P:\PRJ2003REM\Hopyard Cleaners\Quarterly Monitoring Reports\2Q08\Figures\Figure 5 – TCE in GW–Shallow.dwg 6–23–08

ATTACHMENT 1
ESS FIELD REPORT

Environmental Sampling Services

May 19, 2008

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

SUBJECT: May 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 May 16, 2008.

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

Sincerely,
Environmental Sampling Services, LLC

Jacqueline Lee
Manager

Enclosure

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

FIELD ACTIVITY REPORT
FOR

MAY 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: May 19, 2008

Environmental
Sampling Services

FIELD ACTIVITY REPORT
FOR

MAY 2008
QUARTERLY GROUNDWATER
MONITORING EVENT

HOPYARD CLEANERS
2771 HOPYARD ROAD
PLEASANTON, CALIFORNIA

Task: Quarterly Groundwater Sampling Event
ESS Personnel: Jacqueline Lee
Date of Activities: May 16, 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 Slope® Water Level Meter, Serial Number 25742, 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® Multi-parameter 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 activities (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. Dissolved Oxygen was calibrated to air. Turbidity was checked against a 0.02 NTU standard. All equipment calibrated and functioned properly during monitoring activities.

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Passive Diffusion Bag Sampling

Each Passive Diffusion bag was attached with nylon ties to a weighted stainless steel hanging assembly. The well plug with a brass ring supports the entire system. After completion of groundwater level gauging and before installation of new pump tubing, Passive Diffusion Bag Sampler (PDBs) samples were collected. Each PDB sample was contained in three, 40-ml clear VOAs preserved with hydrochloric acid. Each PDB sample is identified by well identification followed by suffix, "PDB".

Water Quality Parameters

During low-flow purging activities, 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).

Low-Flow Well Purging & Sampling Procedures

A peristaltic pump with 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, if more than 10 NTUs.

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.

Following completion of low-flow groundwater sampling, a new Passive Diffusion Bag was installed. Bags for MW-1 through MW-4 were attached to the bottom deployment position. MW-5 bag was attached to the middle deployment position.

Laboratory

TestAmerica of Pleasanton, California provided Trip Blank, sample containers with appropriate preservative, 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.

Environmental
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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 @ 08:00".

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 @ 12:50". It was collected at well location, MW-3.

No other QA/QC samples were 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 May 16, 2008.

Storage of Investigative Derived Wastewater (IDW)

Approximately 30 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 arrived at 9:00 and began set up at 09:30. Lane closure was from 10:00 to 13:00 hours.

All work was performed in accordance with Geosyntec's directive for Hopyard Cleaners, dated February 26, 2008 and subsequent directives.

Environmental Sampling Services, LLC
Jacqueline Lee
Manager

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: Summary of May 2008 Quarterly Groundwater Sampling Event
Project Name: Hopyard Cleaners
Project Location: 2771 Hopyard Road, Pleasanton, California

Passive Diffusion Bags:

Well/Sample Identification	PDB Sample Date	PDB Sample Time
MW-1/MW-1PDB	5/16/2008	9:00
MW-2/MW-2 PDB	5/16/2008	7:55
MW-3/MW-3 PDB	5/16/2008	12:30
MW-4/MW-4 PDB	5/16/2008	11:15
MW-5/MW-5 PDB	5/16/2008	10:15

Low-Flow Sampling:

Well/Sample Identification	Date of Measurement	Time of Measurement	Depth to Groundwater (Ft., below TOC)	Well Depth (Ft., below TOC)	Sample Date	Sample Time	QA/QC Type	Sample Identification
MW-1	5/16/2008	7:22	11.70	30.27	5/16/2008	9:29	None	NA
MW-2	5/16/2008	7:15	11.30	30.31	5/16/2008	8:31	Duplicate	MW-DUP
MW-3	5/16/2008	7:19	12.18	30.29	5/16/2008	13:30	Equipment Blank	EB-1
MW-4	5/16/2008	7:30	12.12	34.56	5/16/2008	11:57	None	NA
MW-5	5/16/2008	7:25	23.06	59.96	5/16/2008	10:43	None	NA

Legend:

TOC = Top of Well Casing

NA = Not Applicable

Environmental Sampling Services

WATER QUALITY SAMPLE LOG SHEET	WELL IDENTIFICATION: MW-1 DATE: 5/16/08

Project Name: Hopyard Cleaners Pleasanton, CA Project Task: Quarterly Monitoring Project/Task No. WR0574

Project Manager: Melissa Asher - Geosyntec Cons. Lab: TestAmerica Weather Conditions: Hot

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 @ 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.: 21758 / (25742) P.I.D. Reading: NA ppm

Water Level at Start (DTW): 11.70 @ 7:22 (BTOC) Water Level Prior To Sampling: 11.92 (BTOC)

TD = 30.27' - 11.70 (DTW) = 18.57 (ft.of water) x "K" = 3.02 (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
5/16/08	9:11	Initial	6.92	21.45	1614	6.4	270.0	3.31	11.92 to be set 11.80	clear
↓	9:13	0.5	6.57	20.89	1604	2.8	289.1	1.45	11.85	"
	9:15	1.0	6.54	20.70	1595	3.7	293.5	1.24	11.86	"
	9:17	1.5	6.54	20.65	1589	3.1	295.9	1.12	11.89	"
	9:18	2.0	6.54	20.63	1585	2.6	297.4	1.00	11.90	"
	9:20	2.5	6.54	20.71	1583	3.5	298.4	0.92	11.90	"
	9:22	3.0	6.54	20.63	1581	2.5	299.8	0.87	11.90	"
	9:24	3.5	6.54	20.79	1578	4.9	300.5	0.80	11.90	"
↓	9:26	4.0	6.54	20.63	1573	2.6	301.4	0.77	11.91	"

Total Discharge: 4.8 Liters Casing Volumes Removed: NA

Method of disposal of discharged water: (55 Gallon Drum(s)) Poly Tank Treatment System Other: ______

Date/Time Sampled: 5/16/08 @ 9:29 Analysis: VOCs (8260B) - 3 VOAs w/HCl

QA/QC: None @ — Duplicate MS/MSD Equipment Rinseate Field Blank Lab Split

Comments: MW-5 PDB sampled @ 9:00

* Installed 2 new bolts (9/16" head)

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

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WATER QUALITY SAMPLE LOG SHEET	WELL IDENTIFICATION: MW-1	Page 2

Project Name: Hopyard

FIELD WATER QUALITY PARAMETERS CONTINUED FROM PAGE 1

Date	Time	Discharge (Liters)	pH (± 0.1)	Temp. (°C) (± 1°C)	Specific Conductance mS (uS) (± 3%)	Turbidity (NTU's) (±10% NTUs)	Redox (mV) (±10 mV)	Dissolved Oxygen (mg/L) (±10%)	Water Level (BTOC)	Color
5/16/08	9:27	4.5	6.54 6.54	20.70	1573	3.4	301.6	0.74	11.92	clear
		5.0								
		5.5								
		6.0								
		6.5								
		7.0								
		7.5								
		8.0								
		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: 4.8 Liters Casing Volumes Removed: NA

Comments: _____

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

Environmental Sampling Services

WATER QUALITY SAMPLE LOG SHEET	WELL IDENTIFICATION: MW-2 DATE: 5/16/08

Project Name: Hopyard Cleaners Pleasanton, CA Project Task: Quarterly Monitoring Project/Task No. WR0574
Project Manager: Melissa Asher - Geosyntec Cons. Lab: TestAmerica Weather Conditions: Hot, expected 90'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.: 21758 / (25742) P.I.D. Reading: NA ppm
Water Level at Start (DTW): 11.30 @ 7:15 (BTOC) Water Level Prior To Sampling: 11.49 (BTOC)
TD = 30.31' - 11.30 (DTW) = 19.01 (ft.of water) x "K" = 3.09 (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
5/16/08	8:12	Initial	6.98	20.24	2042	11.57	285.0	3.11	11.30 w/ bubbles 11.41	clear
	8:15	0.5	6.96	19.92	2049	7.16	298.2	1.38	11.44	"
	8:17	1.0	6.94	19.85	2053	5.89	302.2	1.22	11.45	"
	8:19	1.5	6.94	19.59	2075	9.68	304.5	1.15	11.47	"
	8:21	2.0	6.93	19.86	2082	10.50	307.2	1.08	11.48	"
	8:23	2.5	6.92	19.95	2089	13.80	309.9	1.05	11.48	"
	8:25	3.0	6.93	19.91	2087	13.7	312.0	1.01	11.48	"
	8:27	3.5	6.92	19.84	2093	11.9	314.8	0.98	11.49	"
↓	8:29	4.0	6.92	19.99	2106	11.7	317.2	0.92	11.49	"

Total Discharge: 4.7 Liters Casing Volumes Removed: NA
Method of disposal of discharged water: (55 Gallon Drum(s)) Poly Tank Treatment System Other: _____
Date/Time Sampled: 5/16/08 @ 8:31 Analysis: VOCs (8260B) - 3 VOAs w/HCl
QA/QC: MW-DUP @ 8:00 (Duplicate) MS/MSD Equipment Rinseate Field Blank Lab Split
Comments: MW-2- PDB sampled @ 7:55

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

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

Project Name: Hopyard

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
5/16/08	8:31	4.5	6.42	19.94	2110	12.6	319.1	0.91	11.49	clear
		5.0								
		5.5								
		6.0								
		6.5								
		7.0								
		7.5								
		8.0								
		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: 4.7 Liters Casing Volumes Removed: NA

Comments: _____

Recorded by: Jacqueline Lee / Stephen Penman Signature: _____

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WATER QUALITY SAMPLE LOG SHEET	WELL IDENTIFICATION: MW-3 DATE: 5/16/08

Project Name: Hopyard Cleaners Pleasanton, CA Project Task: Quarterly Monitoring Project/Task No. WR0574
Project Manager: Melissa Asher - Geosyntec Cons. Lab: TestAmerica Weather Conditions: Hot
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.: 21758 (25742) P.I.D. Reading: NA ppm
Water Level at Start (DTW): 12.18 @ 7:19 (BTOC) Water Level Prior To Sampling: 12.50 (BTOC)
TD = 30.29' - 12.18 (DTW) = 18.11 (ft.of water) x "K" = 2.95 (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
5/16/08	12:58	Initial	6.92	22.46	2174	3.9	249.0	4.34	12.12 / 12.32	white set clear
	13:00	0.5	6.51	22.11	2153	2.2	263.0	2.70	12.50	"
	13:02	1.0	6.49	22.52	2133	2.9	270.3	2.23	12.50	"
	13:04	1.5	6.47	22.72	2129	2.8	273.6	2.05	12.50	"
	13:07	2.0	6.46	22.22	2095	3.2	281.1	1.63	12.50	"
	13:10	2.5	6.46	22.63	2093	3.7	285.1	1.42	12.50	"
	13:12	3.0	6.46	22.38	2088	2.7	288.4	1.35	12.50	"
	13:14	3.5	6.45	22.19	2080	3.0	291.5	1.27	12.50	"
	13:17	4.0	6.48	22.26	2083	2.9	294.8	1.19	12.50	"

Total Discharge: 7.0 Liters Casing Volumes Removed: NA
Method of disposal of discharged water: (55 Gallon Drum(s)) Poly Tank Treatment System Other: _____
Date/Time Sampled: 5/16/08 @ 13:30 Analysis: VOCs (8260B) - 3 VOAs w/HCl
QA/QC: EB-1 @ 12:50 Duplicate MS/MSD (Equipment Rinseate) Field Blank Lab Split
Comments: MW-3 FD1 FD2 sampled @ 12:30

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

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WATER QUALITY SAMPLE LOG SHEET	WELL IDENTIFICATION: MW-3	Page 2

Project Name: Hopyard

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
5/16/08	13:19	4.5	6.45	22.08	2079	2.3	297.6	1.37	12.50	clear
	13:21	5.0	6.45	22.52	2078	2.3	299.6	1.20	12.50	"
	13:23	5.5	6.46	22.27	2077	2.4	302.2	1.05	12.50	"
	13:25	6.0	6.46	22.20	2076	2.4	304.2	1.00	12.50	"
↓	13:28	6.5	6.45	22.14	2084	2.3	306.5	1.00	12.50	"
		7.0								
		7.5								
		8.0								
		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: 7.0 Liters Casing Volumes Removed: NA

Comments: _____

Recorded by: Jacqueline Lee / Stephen Penman Signature:

Environmental Sampling Services

WATER QUALITY SAMPLE LOG SHEET	WELL IDENTIFICATION: MW-4 DATE: 5/16/08

Project Name: Hopyard Cleaners Pleasanton, CA Project Task: Quarterly Monitoring Project/Task No. WR0574
Project Manager: Melissa Asher - Geosyntec Cons. Lab: TestAmerica Weather Conditions: Hot 80'sF
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.: 21758 / (25742) P.I.D. Reading: NA ppm
Water Level at Start (DTW): 12.12 @ 7:30 (BTOC) Water Level Prior To Sampling: 12.93 (BTOC)
TD = 34.56' - 12.12 (DTW) = 22.44 (ft.of water) x "K" = 3.65 (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 (µS) +/- 3%	Turbidity (NTU's) +/- 10	Redox (mV) +/- 10	Dissolved Oxygen (mg/L) +/- 10%	Water Level (BTOC)	Color
5/16/08	11:25	Initial	6.55	17.94	2564	15.1	321.2	3.13	12.12 w/o pump set; 12.41	clear
↓	11:27	0.5	6.33	17.76	2559	12.4	324.0	2.19	12.62	"
	11:29	1.0	6.32	18.31	2552	8.7	324.9	2.01	12.63	"
	11:31	1.5	6.33	17.96	2543	12.0	327.0	~~1.64~~ 1.64	12.89	"
	11:35	2.0	6.32	18.34	2539	8.0	328.6	1.45	12.89	"
	11:37	2.5	6.32	18.39	2535	9.2	330.2	1.40	12.90	"
	11:41	3.0	6.32	18.50	2539	12.0	332.3	1.29	12.90	"
	11:45	3.5	6.30	18.63	2528	12.9	334.4	1.21	12.90	"
↓	11:49	4.0	6.30	18.47	2523	5.5	334.3	1.05	12.90	"

Total Discharge: 5.5 Liters Casing Volumes Removed: NA
Method of disposal of discharged water: (55 Gallon Drum(s)) Poly Tank Treatment System Other: ____
Date/Time Sampled: 5/16/08 @ 11:57 Analysis: VOCs (8260B) - 3 VOAs w/HCl
QA/QC: None @ — Duplicate MS/MSD Equipment Rinseate Field Blank Lab Split
Comments: MW-4 PDB sampled @ 11:15

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

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

Project Name: Hopyard

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
5/16/08	11:51	4.5	6.30	~~18.87~~ 18.81	2522	5.4	333.5	1.04	12.92	clear
↓	11:55	5.0	6.27	18.81	2518	6.3	329.2	1.00	12.93	"
		5.5								
		6.0								
		6.5								
		7.0								
		7.5								
		8.0								
		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: 5.5 Liters Casing Volumes Removed: NA

Comments: _____

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

Environmental Sampling Services

WATER QUALITY SAMPLE LOG SHEET	WELL IDENTIFICATION: MW-5 DATE: 5/16/08

Project Name: Hopyard Cleaners Pleasanton, CA Project Task: Quarterly Monitoring Project/Task No. WR0574
Project Manager: Melissa Asher - Geosyntec Cons. Lab: TestAmerica Weather Conditions: Expected 90'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.: 21758 / (25742) P.I.D. Reading: NA ppm
Water Level at Start (DTW): 23.06 @ 7:25 (BTOC) Water Level Prior To Sampling: 23.17 (BTOC)
TD = 59.96' - 23.06 (DTW) = _____ (ft.of water) x "K" = _____ (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
5/16/08	10:26	Initial	6.65	18.60	2117	20.1	294.3	4.93	23.17 "Flow set 23.17	clear
↓	10:26	0.5	6.55	18.56	2112	24.5	297.3	4.19	"	"
	10:27	1.0	6.58	18.53	2115	32.9	299.8	3.74	"	"
	10:28	1.5	6.50	18.52	2105	22.9	301.8	3.53	"	"
	10:30	2.0	6.54	18.50	2100	20.5	303.7	3.42	"	"
	10:31	2.5	6.56	18.49	2104	22.7	305.5	3.30	"	"
	10:32	3.0	6.53	18.55	2106	29.1	306.6	3.18	"	"
	10:33	3.5	6.52	18.52	2106	28.0	308.5	3.24	"	"
↓	10:34	4.0	6.49	18.59	2100	29.0	308.6	3.16	"	"

Total Discharge: 7.3 Liters Casing Volumes Removed: NA
Method of disposal of discharged water: (55 Gallon Drum(s)) Poly Tank Treatment System Other: _____
Date/Time Sampled: 5/16/08 @ 10:43 Analysis: VOCs (8260B) - 3 VOAs w/HCl
QA/QC: None @ — Duplicate MS/MSD Equipment Rinseate Field Blank Lab Split
Comments: MW-5 PDB sampled @ 10:15

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

6680 Alhambra Ave., #102 • Martinez, CA 94553-8105 • (925) 372-8108 • Fax: (925) 372-6705
www.envsampling.com

Environmental Sampling Services

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

Project Name: Hopyard

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
5/16/08	10:35	4.5	6.46	18.52	2106	27.3	309.9	3.11	23.17	clear
↓	10:37	5.0	6.51	18.63	2096	33.6	310.6	3.06	"	"
	10:38	5.5	6.52	18.64	2103	36.1	311.1	3.06	"	"
	10:39	6.0	6.51	18.67	2104	32.3	312.2	3.07	"	"
	10:41	6.5	6.51	18.65	2104	33.0	312.6	3.04	"	"
↓	10:42	7.0	6.51	18.73	2102	35.1	314.0	3.04	"	"
		7.5								
		8.0								
		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: 7.3 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: May 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
5/16/07	7:50	319340R	06C1522	99.7	3.97	7.00	10.00	995	237.5	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** ☐ _____ ☐ **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		5/16/08	7:00	2	1				X	X	X			X		
MW-2 PDB		5/16/08	7:55	3	1	X				X	X			X		
MW-DUP		5/16/08	8:00	3	1	X				X	X			X		
MW-2		5/16/08	8:31	3	1	X				X	X			X		
MW-1 PDB		5/16/08	9:00	3	1	X				X	X			X		
MW-1		5/16/08	9:29	3	1	X				X	X			X		
MW-5 PDB		5/16/08	10:15	3	1	X				X	X			X		
MW-5		5/16/08	10:43	3	1	X				X	X			X		
MW-4 PDB		5/16/08	11:15	3	1	X				X	X			X		
MW-4		5/16/08	11:57	3	1	X				X	X			X		

Relinquished By:	Date:	Time:	Received By:
	5/16/08	16:00	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/°C 2.3 **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

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 5/16/08 Page 2 of 2

Report To

Attn: Melissa Asher
Company: GeoSyntec Consultants
Address: 475 - 14th St., Suite 450 Oakland 94612
Phone: 510-285-2782 Email: masher@geosyntec.com
Bill To: SAME
Sampled By: ESS(JL)
Attn:
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 ☐ Total (EPA 1664)	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 200.8/8020 (ICP-MS): ___	☐ W.E.T (STLC) ☐ TCLP	Hexavalent Chromium ☐ ☐ pH (24h hold time for H_2O)	Spec Cond. ☐ Alkalinity ☐ TDS ☐ TSS ☐ ☐	Anions : ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4				Number of Containers
MW-3PDB	5/16/08	12:30	WG	HCl						X																	3
EB-1	5/16/08	12:50	W	HCl						X																	3
MW-3	5/16/08	13:30	WG	HCl						X																	3

5/16/08

Project Info.

Project Name: Hopyard
Project#: WR0574
PO#:
Credit Card#:

Sample Receipt

of Containers:
Head Space:
Temp:
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 _____

Temp. Blank provided to verify refrigeration

See Terms and Conditions on reverse
*TestAmerica SF reports 8015M from C_5-C_{24} (industry norm). Default for 8015B is C_{10}-C_{28}

	1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature / Time	16:00		
Printed Name / Date	Jacki Lee 5/16/08		
Company	Env. Sampling Services		

	1) Received by:	2) Received by:	3) Received by:
Signature / Time	16:00		
Printed Name / Date	T Bullock 5/16/08		
Company	TAL-SF		

Rev 06/04

HIGHWAY TECHNOLOGIES

R 00556

1277 OLD BAYSHORE HIGHWAY
SAN JOSE, CA 95112-2800

TRAFFIC CONTROL
RENTAL

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

TO: Goodyear [illegible]

JOB SITE: 2771 Hopyard [illegible]
Pleasanton

DATE CALLED	ORDERED BY	PHONE	JOB NO.
DATE OUT/IN 5-16-08	BRANCH / SALESMAN	PURCHASE ORDER NO.	

☐ RENTAL OUT	☐ RENTAL IN	☐ MISSING UNITS	DESCRIPTION	RATE	TOTAL
			[illegible]	75.00	
			4 hr. Min	405.00	
		Start	930A		
		End	130 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
[signature]	Eric R Weaver	5-16-08

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: 720-14379-1

Job Description: Hopyard Cleaners

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

Attention: Ms. Melissa Asher

Melissa Brewer
Project Manager I
melissa.brewer@testamericainc.com
05/28/2008

cc: Ms. Angela Liang

TestAmerica Laboratories, Inc.
TestAmerica San Francisco 1220 Quarry Lane, Pleasanton, CA 94566
Tel (925) 484-1919 Fax (925) 600-3002 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: 720-14379-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-14379-2	**MW-2 PDB**				
cis-1,2-Dichloroethene		940	50	ug/L	8260B
Tetrachloroethene		6700	50	ug/L	8260B
Trichloroethene		480	50	ug/L	8260B
720-14379-3	**MW-DUP**				
cis-1,2-Dichloroethene		930	50	ug/L	8260B
Tetrachloroethene		5900	50	ug/L	8260B
Trichloroethene		450	50	ug/L	8260B
720-14379-4	**MW-2**				
cis-1,2-Dichloroethene		900	50	ug/L	8260B
Tetrachloroethene		5800	50	ug/L	8260B
Trichloroethene		460	50	ug/L	8260B
720-14379-5	**MW-1 PDB**				
cis-1,2-Dichloroethene		260	20	ug/L	8260B
Tetrachloroethene		1900	20	ug/L	8260B
Trichloroethene		310	20	ug/L	8260B
720-14379-6	**MW-1**				
cis-1,2-Dichloroethene		250	20	ug/L	8260B
Tetrachloroethene		1600	20	ug/L	8260B
Trichloroethene		280	20	ug/L	8260B
720-14379-7	**MW-5 PDB**				
Tetrachloroethene		34	0.50	ug/L	8260B
720-14379-8	**MW-5**				
Tetrachloroethene		24	0.50	ug/L	8260B
720-14379-9	**MW-4 PDB**				
cis-1,2-Dichloroethene		3.6	0.50	ug/L	8260B
Trichloroethene		2.7	0.50	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: GeoSyntec Consultants Job Number: 720-14379-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
720-14379-10	**MW-4**				
cis-1,2-Dichloroethene		3.7	0.50	ug/L	8260B
Trichloroethene		2.6	0.50	ug/L	8260B
720-14379-11	**MW-3 PDB**				
cis-1,2-Dichloroethene		5.4	0.50	ug/L	8260B
Tetrachloroethene		46	0.50	ug/L	8260B
Trichloroethene		4.4	0.50	ug/L	8260B
720-14379-13	**MW-3**				
cis-1,2-Dichloroethene		5.0	0.50	ug/L	8260B
Tetrachloroethene		39	0.50	ug/L	8260B
Trichloroethene		4.3	0.50	ug/L	8260B

METHOD SUMMARY

Client: GeoSyntec Consultants Job Number: 720-14379-1

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: 720-14379-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
720-14379-1TB	TRIP BLANK	Water	05/16/2008 0700	05/16/2008 1600
720-14379-2	MW-2 PDB	Water	05/16/2008 0755	05/16/2008 1600
720-14379-3	MW-DUP	Water	05/16/2008 0800	05/16/2008 1600
720-14379-4	MW-2	Water	05/16/2008 0831	05/16/2008 1600
720-14379-5	MW-1 PDB	Water	05/16/2008 0900	05/16/2008 1600
720-14379-6	MW-1	Water	05/16/2008 0929	05/16/2008 1600
720-14379-7	MW-5 PDB	Water	05/16/2008 1015	05/16/2008 1600
720-14379-8	MW-5	Water	05/16/2008 1043	05/16/2008 1600
720-14379-9	MW-4 PDB	Water	05/16/2008 1115	05/16/2008 1600
720-14379-10	MW-4	Water	05/16/2008 1157	05/16/2008 1600
720-14379-11	MW-3 PDB	Water	05/16/2008 1230	05/16/2008 1600
720-14379-12	EB-1	Water	05/16/2008 1250	05/16/2008 1600
720-14379-13	MW-3	Water	05/16/2008 1330	05/16/2008 1600

Client: GeoSyntec Consultants | Job Number: 720-14379-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 720-14379-1TB | Date Sampled: 05/16/2008 0700
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36038 | Instrument ID: Varian 3900G
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/27/2008 1124 | Final Weight/Volume: 40 mL
Date Prepared: 05/27/2008 1124

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: 720-14379-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 720-14379-1TB | Date Sampled: 05/16/2008 0700
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36038 | Instrument ID: Varian 3900G
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/27/2008 1124 | Final Weight/Volume: 40 mL
Date Prepared: 05/27/2008 1124

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)	97	73 - 117

Client: GeoSyntec Consultants | Job Number: 720-14379-1

Client Sample ID: **MW-2 PDB**

Lab Sample ID: 720-14379-2 | Date Sampled: 05/16/2008 0755
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36000 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 100 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/25/2008 2002 | Final Weight/Volume: 40 mL
Date Prepared: 05/25/2008 2002

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	940		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: 720-14379-1

Client Sample ID: **MW-2 PDB**

Lab Sample ID: 720-14379-2 | Date Sampled: 05/16/2008 0755
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36000 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 100 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/25/2008 2002 | Final Weight/Volume: 40 mL
Date Prepared: 05/25/2008 2002

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	6700		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	480		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	105	71 - 139
1,2-Dichloroethane-d4 (Surr)	105	62 - 118
Toluene-d8 (Surr)	107	73 - 117

Client: GeoSyntec Consultants | Job Number: 720-14379-1

Client Sample ID: **MW-DUP**

Lab Sample ID: 720-14379-3 | Date Sampled: 05/16/2008 0800
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36000 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 100 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/25/2008 2035 | Final Weight/Volume: 40 mL
Date Prepared: 05/25/2008 2035

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	930		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: 720-14379-1

Client Sample ID: MW-DUP

Lab Sample ID: 720-14379-3 | Date Sampled: 05/16/2008 0800
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36000 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 100 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/25/2008 2035 | Final Weight/Volume: 40 mL
Date Prepared: 05/25/2008 2035

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	5900		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	450		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	100	71 - 139
1,2-Dichloroethane-d4 (Surr)	106	62 - 118
Toluene-d8 (Surr)	105	73 - 117

Client: GeoSyntec Consultants | Job Number: 720-14379-1

Client Sample ID: **MW-2**

Lab Sample ID: 720-14379-4 | Date Sampled: 05/16/2008 0831
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36000 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 100 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/25/2008 2109 | Final Weight/Volume: 40 mL
Date Prepared: 05/25/2008 2109

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	900		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: 720-14379-1

Client Sample ID: **MW-2**

Lab Sample ID: 720-14379-4 | Date Sampled: 05/16/2008 0831
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36000 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 100 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/25/2008 2109 | Final Weight/Volume: 40 mL
Date Prepared: 05/25/2008 2109

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	5800		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	460		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	101	71 - 139
1,2-Dichloroethane-d4 (Surr)	99	62 - 118
Toluene-d8 (Surr)	103	73 - 117

Client: GeoSyntec Consultants | Job Number: 720-14379-1

Client Sample ID: **MW-1 PDB**

Lab Sample ID: 720-14379-5 | Date Sampled: 05/16/2008 0900
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36000 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 40 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/25/2008 2142 | Final Weight/Volume: 40 mL
Date Prepared: 05/25/2008 2142

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	260		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: 720-14379-1

Client Sample ID: MW-1 PDB

Lab Sample ID: 720-14379-5 | Date Sampled: 05/16/2008 0900
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36000 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 40 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/25/2008 2142 | Final Weight/Volume: 40 mL
Date Prepared: 05/25/2008 2142

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	1900		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	310		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	104	71 - 139
1,2-Dichloroethane-d4 (Surr)	107	62 - 118
Toluene-d8 (Surr)	106	73 - 117

Client: GeoSyntec Consultants | Job Number: 720-14379-1

Client Sample ID: **MW-1**

Lab Sample ID: 720-14379-6 | Date Sampled: 05/16/2008 0929
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36000 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 40 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/25/2008 2215 | Final Weight/Volume: 40 mL
Date Prepared: 05/25/2008 2215

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	250		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: 720-14379-1

Client Sample ID: **MW-1**

Lab Sample ID: 720-14379-6 | Date Sampled: 05/16/2008 0929
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36000 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 40 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/25/2008 2215 | Final Weight/Volume: 40 mL
Date Prepared: 05/25/2008 2215

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	1600		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	280		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	107	71 - 139
1,2-Dichloroethane-d4 (Surr)	108	62 - 118
Toluene-d8 (Surr)	110	73 - 117

Client: GeoSyntec Consultants | Job Number: 720-14379-1

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

Lab Sample ID: 720-14379-7 | Date Sampled: 05/16/2008 1015
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36038 | Instrument ID: Varian 3900G
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/27/2008 1158 | Final Weight/Volume: 40 mL
Date Prepared: 05/27/2008 1158

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: 720-14379-1

Client Sample ID: MW-5 PDB

Lab Sample ID: 720-14379-7 | Date Sampled: 05/16/2008 1015
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36038 | Instrument ID: Varian 3900G
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/27/2008 1158 | Final Weight/Volume: 40 mL
Date Prepared: 05/27/2008 1158

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	34		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	107	71 - 139
1,2-Dichloroethane-d4 (Surr)	101	62 - 118
Toluene-d8 (Surr)	97	73 - 117

Client: GeoSyntec Consultants | Job Number: 720-14379-1

Client Sample ID: **MW-5**

Lab Sample ID: 720-14379-8 | Date Sampled: 05/16/2008 1043
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36038 | Instrument ID: Varian 3900G
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/27/2008 1231 | Final Weight/Volume: 40 mL
Date Prepared: 05/27/2008 1231

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: 720-14379-1

Client Sample ID: **MW-5**

Lab Sample ID: 720-14379-8 | Date Sampled: 05/16/2008 1043
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36038 | Instrument ID: Varian 3900G
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/27/2008 1231 | Final Weight/Volume: 40 mL
Date Prepared: 05/27/2008 1231

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	24		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	100	71 - 139
1,2-Dichloroethane-d4 (Surr)	98	62 - 118
Toluene-d8 (Surr)	94	73 - 117

Client: GeoSyntec Consultants | Job Number: 720-14379-1

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

Lab Sample ID: 720-14379-9 | Date Sampled: 05/16/2008 1115
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36038 | Instrument ID: Varian 3900G
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/27/2008 1305 | Final Weight/Volume: 40 mL
Date Prepared: 05/27/2008 1305

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	3.6		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: 720-14379-1

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

Lab Sample ID: 720-14379-9 | Date Sampled: 05/16/2008 1115
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36038 | Instrument ID: Varian 3900G
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/27/2008 1305 | Final Weight/Volume: 40 mL
Date Prepared: 05/27/2008 1305

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	2.7		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)	100	62 - 118
Toluene-d8 (Surr)	95	73 - 117

Client: GeoSyntec Consultants | Job Number: 720-14379-1

Client Sample ID: **MW-4**

Lab Sample ID: 720-14379-10 | Date Sampled: 05/16/2008 1157
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36038 | Instrument ID: Varian 3900G
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/27/2008 1338 | Final Weight/Volume: 40 mL
Date Prepared: 05/27/2008 1338

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	3.7		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: 720-14379-1

Client Sample ID: MW-4

Lab Sample ID: 720-14379-10 | Date Sampled: 05/16/2008 1157
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36038 | Instrument ID: Varian 3900G
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/27/2008 1338 | Final Weight/Volume: 40 mL
Date Prepared: 05/27/2008 1338

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	2.6		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	100	71 - 139
1,2-Dichloroethane-d4 (Surr)	100	62 - 118
Toluene-d8 (Surr)	92	73 - 117

Client: GeoSyntec Consultants | Job Number: 720-14379-1

Client Sample ID: **MW-3 PDB**

Lab Sample ID: 720-14379-11 | Date Sampled: 05/16/2008 1230
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36038 | Instrument ID: Varian 3900G
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/27/2008 1412 | Final Weight/Volume: 40 mL
Date Prepared: 05/27/2008 1412

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	5.4		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: 720-14379-1

Client Sample ID: **MW-3 PDB**

Lab Sample ID: 720-14379-11 | Date Sampled: 05/16/2008 1230
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36038 | Instrument ID: Varian 3900G
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/27/2008 1412 | Final Weight/Volume: 40 mL
Date Prepared: 05/27/2008 1412

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	46		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	4.4		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)	96	73 - 117

Client: GeoSyntec Consultants | Job Number: 720-14379-1

Client Sample ID: **EB-1**

Lab Sample ID: 720-14379-12 | Date Sampled: 05/16/2008 1250
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36035 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/27/2008 1409 | Final Weight/Volume: 40 mL
Date Prepared: 05/27/2008 1409

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: 720-14379-1

Client Sample ID: EB-1

Lab Sample ID: 720-14379-12 | Date Sampled: 05/16/2008 1250
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36035 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/27/2008 1409 | Final Weight/Volume: 40 mL
Date Prepared: 05/27/2008 1409

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	101	71 - 139
1,2-Dichloroethane-d4 (Surr)	94	62 - 118
Toluene-d8 (Surr)	96	73 - 117

Client: GeoSyntec Consultants | Job Number: 720-14379-1

Client Sample ID: **MW-3**

Lab Sample ID: 720-14379-13 | Date Sampled: 05/16/2008 1330
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36035 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/27/2008 1442 | Final Weight/Volume: 40 mL
Date Prepared: 05/27/2008 1442

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	5.0		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: 720-14379-1

Client Sample ID: MW-3

Lab Sample ID: 720-14379-13 | Date Sampled: 05/16/2008 1330
Client Matrix: Water | Date Received: 05/16/2008 1600

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

Method: 8260B | Analysis Batch: 720-36035 | Instrument ID: Varian 3900F
Preparation: 5030B | Lab File ID: c:\saturnws\data\200805\05
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 05/27/2008 1442 | Final Weight/Volume: 40 mL
Date Prepared: 05/27/2008 1442

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	39		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	4.3		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	103	71 - 139
1,2-Dichloroethane-d4 (Surr)	99	62 - 118
Toluene-d8 (Surr)	95	73 - 117

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Client: GeoSyntec Consultants Job Number: 720-14379-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:720-36000					
LCS 720-36000/2	Lab Control Spike	T	Water	8260B	
LCSD 720-36000/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-36000/3	Method Blank	T	Water	8260B	
720-14379-2	MW-2 PDB	T	Water	8260B	
720-14379-3	MW-DUP	T	Water	8260B	
720-14379-4	MW-2	T	Water	8260B	
720-14379-5	MW-1 PDB	T	Water	8260B	
720-14379-6	MW-1	T	Water	8260B	
Analysis Batch:720-36035					
LCS 720-36035/2	Lab Control Spike	T	Water	8260B	
LCSD 720-36035/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-36035/3	Method Blank	T	Water	8260B	
720-14379-12	EB-1	T	Water	8260B	
720-14379-13	MW-3	T	Water	8260B	
Analysis Batch:720-36038					
LCS 720-36038/2	Lab Control Spike	T	Water	8260B	
LCSD 720-36038/1	Lab Control Spike Duplicate	T	Water	8260B	
MB 720-36038/3	Method Blank	T	Water	8260B	
720-14379-1TB	TRIP BLANK	T	Water	8260B	
720-14379-7	MW-5 PDB	T	Water	8260B	
720-14379-7MS	Matrix Spike	T	Water	8260B	
720-14379-7MSD	Matrix Spike Duplicate	T	Water	8260B	
720-14379-8	MW-5	T	Water	8260B	
720-14379-9	MW-4 PDB	T	Water	8260B	
720-14379-10	MW-4	T	Water	8260B	
720-14379-11	MW-3 PDB	T	Water	8260B	

Report Basis
T = Total

Client: GeoSyntec Consultants

Job Number: 720-14379-1

Method Blank - Batch: 720-36000

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-36000/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/25/2008 1251
Date Prepared: 05/25/2008 1251

Analysis Batch: 720-36000
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200805\05
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: 720-14379-1

Method Blank - Batch: 720-36000

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-36000/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/25/2008 1251
Date Prepared: 05/25/2008 1251

Analysis Batch: 720-36000
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200805\05
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)	106	62 - 118
Toluene-d8 (Surr)	110	73 - 117

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

Client: GeoSyntec Consultants

Job Number: 720-14379-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-36000

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-36000/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/25/2008 1144
Date Prepared: 05/25/2008 1144

Analysis Batch: 720-36000
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200805\0
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-36000/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/25/2008 1218
Date Prepared: 05/25/2008 1218

Analysis Batch: 720-36000
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200805\052
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	87	89	69 - 129	2	20		
Chlorobenzene	96	97	61 - 121	1	20		
1,1-Dichloroethene	89	91	65 - 125	2	20		
Toluene	94	96	70 - 130	2	20		
Trichloroethene	86	89	74 - 134	3	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	100	98	71 - 139
1,2-Dichloroethane-d4 (Surr)	99	93	62 - 118
Toluene-d8 (Surr)	100	96	73 - 117

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

Client: GeoSyntec Consultants

Job Number: 720-14379-1

Method Blank - Batch: 720-36035

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-36035/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/27/2008 1049
Date Prepared: 05/27/2008 1049

Analysis Batch: 720-36035
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200805\05
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: 720-14379-1

Method Blank - Batch: 720-36035

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-36035/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/27/2008 1049
Date Prepared: 05/27/2008 1049

Analysis Batch: 720-36035
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200805\05
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	107	71 - 139
1,2-Dichloroethane-d4 (Surr)	96	62 - 118
Toluene-d8 (Surr)	98	73 - 117

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

Client: GeoSyntec Consultants Job Number: 720-14379-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-36035

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-36035/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/27/2008 0942
Date Prepared: 05/27/2008 0942

Analysis Batch: 720-36035
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200805\0
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-36035/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/27/2008 1015
Date Prepared: 05/27/2008 1015

Analysis Batch: 720-36035
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900F
Lab File ID: c:\saturnws\data\200805\052
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	86	81	69 - 129	6	20		
Chlorobenzene	102	96	61 - 121	6	20		
1,1-Dichloroethene	85	83	65 - 125	2	20		
Toluene	91	86	70 - 130	6	20		
Trichloroethene	87	86	74 - 134	1	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	103	107	71 - 139
1,2-Dichloroethane-d4 (Surr)	91	95	62 - 118
Toluene-d8 (Surr)	97	97	73 - 117

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

Client: GeoSyntec Consultants

Job Number: 720-14379-1

Method Blank - Batch: 720-36038

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-36038/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/27/2008 1050
Date Prepared: 05/27/2008 1050

Analysis Batch: 720-36038
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200805\05
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: 720-14379-1

Method Blank - Batch: 720-36038

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 720-36038/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/27/2008 1050
Date Prepared: 05/27/2008 1050

Analysis Batch: 720-36038
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200805\05
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	108	71 - 139
1,2-Dichloroethane-d4 (Surr)	100	62 - 118
Toluene-d8 (Surr)	96	73 - 117

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

Client: GeoSyntec Consultants

Job Number: 720-14379-1

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 720-36038

Method: 8260B
Preparation: 5030B

LCS Lab Sample ID: LCS 720-36038/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/27/2008 0943
Date Prepared: 05/27/2008 0943

Analysis Batch: 720-36038
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200805\0
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

LCSD Lab Sample ID: LCSD 720-36038/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/27/2008 1017
Date Prepared: 05/27/2008 1017

Analysis Batch: 720-36038
Prep Batch: N/A
Units: ug/L

Instrument ID: Varian 3900G
Lab File ID: c:\saturnws\data\200805\052
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Benzene	88	87	69 - 129	1	20		
Chlorobenzene	100	98	61 - 121	2	20		
1,1-Dichloroethene	92	90	65 - 125	1	20		
Toluene	89	90	70 - 130	1	20		
Trichloroethene	85	84	74 - 134	2	20		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	101	101	71 - 139
1,2-Dichloroethane-d4 (Surr)	94	97	62 - 118
Toluene-d8 (Surr)	92	94	73 - 117

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

Client: GeoSyntec Consultants

Job Number: 720-14379-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 720-36038

Method: 8260B
Preparation: 5030B

MS Lab Sample ID:	720-14379-7	Analysis Batch:	720-36038	Instrument ID:	Varian 3900G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c:\saturnws\data\200805\(
Dilution:	1.0			Initial Weight/Volume:	40 mL
Date Analyzed:	05/27/2008 1445			Final Weight/Volume:	40 mL
Date Prepared:	05/27/2008 1445				

MSD Lab Sample ID:	720-14379-7	Analysis Batch:	720-36038	Instrument ID:	Varian 3900G
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c:\saturnws\data\200805\05
Dilution:	1.0			Initial Weight/Volume:	40 mL
Date Analyzed:	05/27/2008 1519			Final Weight/Volume:	40 mL
Date Prepared:	05/27/2008 1519				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	83	88	69 - 129	6	20		
Chlorobenzene	94	101	61 - 121	8	20		
1,1-Dichloroethene	82	92	65 - 125	12	20		
Toluene	86	90	70 - 130	4	20		
Trichloroethene	79	83	74 - 134	6	20		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	104	102	71 - 139
1,2-Dichloroethane-d4 (Surr)	99	97	62 - 118
Toluene-d8 (Surr)	94	91	73 - 117

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

720-14379

110790

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** ☐ _____ ☐ **Tracking Number:** _____

Laboratory: Test America **Lab Code:** STCL

05/28/2008

Page 45 of 47

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 ☐

		SAMPLING				MATRIX CODE				METHOD PRESERVED				Analysis Request	Other	Comments
SAMPLE ID	Field Point Name	Date	Time	# Containers	Container Type*	WG	SO	GS	Water	Ice	HCl	HNO_3	H_2SO_4	VOCs (EPA 8260B)		
Trip Blank		5/16/08	7:00	3	1				X	X	X			X		
MW-2 PDB		5/16/08	7:55	3	1	X				X	X			X		
MW-DUP		5/16/08	8:00	3	1	X				X	X			X		
MW-2		5/16/08	8:31	3	1	X				X	X			X		
MW-1 PDB		5/16/08	9:00	3	1	X				X	X			X		
MW-1		5/16/08	9:29	3	1	X				X	X			X		
MW-5 PDB		5/16/08	10:15	3	1	X				X	X			X		
MW-5		5/16/08	10:43	3	1	X				X	X			X		
MW-4 PDB		5/16/08	11:15	3	1	X				X	X			X		
MW-4		5/16/08	11:57	3	1	X				X	X			X		

Relinquished By:	Date:	Time:	Received By:
	5/16/08	16:00	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/°C 2.3 **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

PAGE 1 OF 2

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

720-14379

TESTAMERICA San Francisco Chain of Custody
1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 600-3002

Reference #: 110790
Date 5/16/08 Page 2 of 2

05/28/2008

Page 46 of 47

Report To

Attn: Melissa Asher
Company: GeoSyntec Consultants
Address: 475 - 14th St., Suite 450 Oakland 94612
Phone: 510-285-2782 Email: mashore@geosyntec.com
Bill To: SAME
Sampled By: ESS(JL)
Attn: 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
11 MW-3PDB	5/16/08	12:30	WG	HCl						X																	3
12 EB-1	5/16/08	12:50	W	HCl						X																	3
13 MW-3	5/16/08	13:30	WG	HCl						X																	3

5/16/08

Project Info.

Project Name: Hopyard
Project#: WR0574
PO#:
Credit Card#:

Sample Receipt

of Containers:
Head Space:
Temp:
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 ___
Temp. Blank provided to verify refrigeration

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 16:00 Time	Signature Time	Signature Time
Jacki Lee 5/16/08	Printed Name Date	Printed Name Date
Printed Name Date	Company	Company
Env. Sampling Services		
Company		

1) Received by:	2) Received by:	3) Received by:
Signature 16:00 Time	Signature Time	Signature Time
T Bullock 5/16/08	Printed Name Date	Printed Name Date
Printed Name Date	Company	Company
TAL-SF		
Company		

Rev 06/04

Login Sample Receipt Check List

Client: GeoSyntec Consultants

Job Number: 720-14379-1

Login Number: 14379
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	