Shell Oil Products US

October 15, 2006

Re: **Third Quarter 2006 Groundwater Monitoring Report**
Shell Service Station
8999 San Ramon Road
Dublin, California

Dear Mr. Jerry Wickham:

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

Sincerely,
Shell Oil Products US

Denis L. Brown
Sr. Environmental Engineer

20945 S. Wilmington Avenue, Carson, CA 90810 P: (559) 645-9306; F: (559) 645-5643

Delta
Environmental
Consultants, Inc.

Solving environment-related business problems worldwide

www.deltaenv.com

175 Bernal Road • Suite 200
San Jose, California 95119 USA

800.477.7411
Fax 408.225.8506

October 15, 2006
DELTA Project: SJ89-99S-1.2006
SAP: 135244

Mr. Jerry Wickham
Alameda County Health Care Services Agency
Environmental Health Services – Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: THIRD QUARTER 2006 GROUNDWATER MONITORING REPORT
Shell-Branded Service Station
8999 San Ramon Road
Dublin, California

Dear Mr. Wickham:

On behalf of Shell Oil Products (Shell), Delta Environmental Consultants, Inc. (Delta) has prepared this *Third Quarter 2006 Groundwater Monitoring Report* for the above referenced site.

This quarterly report represents Delta's professional opinions based upon the currently available information and is arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report.

If you have any questions regarding this site, please contact Mr. Lee Dooley (Delta) at (408) 826-1880 or Mr. Denis Brown (Shell) at (707) 865-0251.

Sincerely,
Delta Environmental Consultants, Inc.

Heather Buckingham
Senior Staff Geologist

R. Lee Dooley, CHG 0183
Senior Hydrogeologist

PROFESSIONAL GEOLOGIST • R. LEE DOOLEY NO. 0183 CERTIFIED HYDROGEOLOGIST • STATE OF CALIFORNIA

Attachment: Third Quarter 2006 Groundwater Monitoring Report

cc: Denis Brown, Shell Oil Products US, Carson
Carl Cox, C and J Cox Corporation, Pleasanton
Colleen Winey, Zone 7 Water Agency, Livermore

October 15, 2006

SHELL QUARTERLY STATUS REPORT

Station Address:	8999 San Ramon Road, Dublin, California
DELTA Project No.	SJ89-99S-1
SHELL Project Manager/Phone No.:	Denis Brown (707) 865-0251
DELTA Site Manager/Phone No.:	Lee Dooley (408) 826-1880
Primary Agency/Regulatory ID No.:	ACHCSA/ Jerry Wickham
Other Agencies to Receive Copies:	Zone 7 Water Agency

WORK PERFORMED THIS QUARTER (THIRD - 2006):

1. Quarterly groundwater monitoring and sampling. Submitted quarterly report.
2. Installed five off-site wells and advanced two off-site CPT borings.
3. Prepared and submitted *Additional Soil and Groundwater Investigation Report* dated September 29, 2006.

WORK PROPOSED FOR NEXT QUARTER (FOURTH - 2006):

1. Quarterly groundwater monitoring and sampling. Submit quarterly report.

Current Phase of Project:	Site Assessment, Groundwater monitoring
Frequency of Sampling:	Quarterly
Frequency of Monitoring:	Quarterly
Is Separate Phase Hydrocarbon Present On-site (Well #'s):	☐ Yes ☒ No
Cumulative SPH Recovered to Date :	NA
SPH Recovered This Quarter :	NA
Sensitive Receptor(s) and Respective Direction(s):	No municipal water supply wells were identified within a one-mile radius. A domestic drinking water well (25/1W-35L001) is located ~2,300 ft. southwest of the site.
Current Remediation Techniques:	None
Permits for Discharge:	None
Approximate Depth to Groundwater:	22 to 28 feet below top of well casing
Groundwater Gradient	South-southeast @ approximately 0.05 ft/ft, consistent with previous data
Current Agency Correspondence:	NA
Summary of Unusual Activity:	Newly installed off-site Wells MW-5 and MW-7 through MW-10 contain MTBE at a maximum concentration of 4.62 ug/l and TBA at a maximum concentration of 6,610 ug/l.

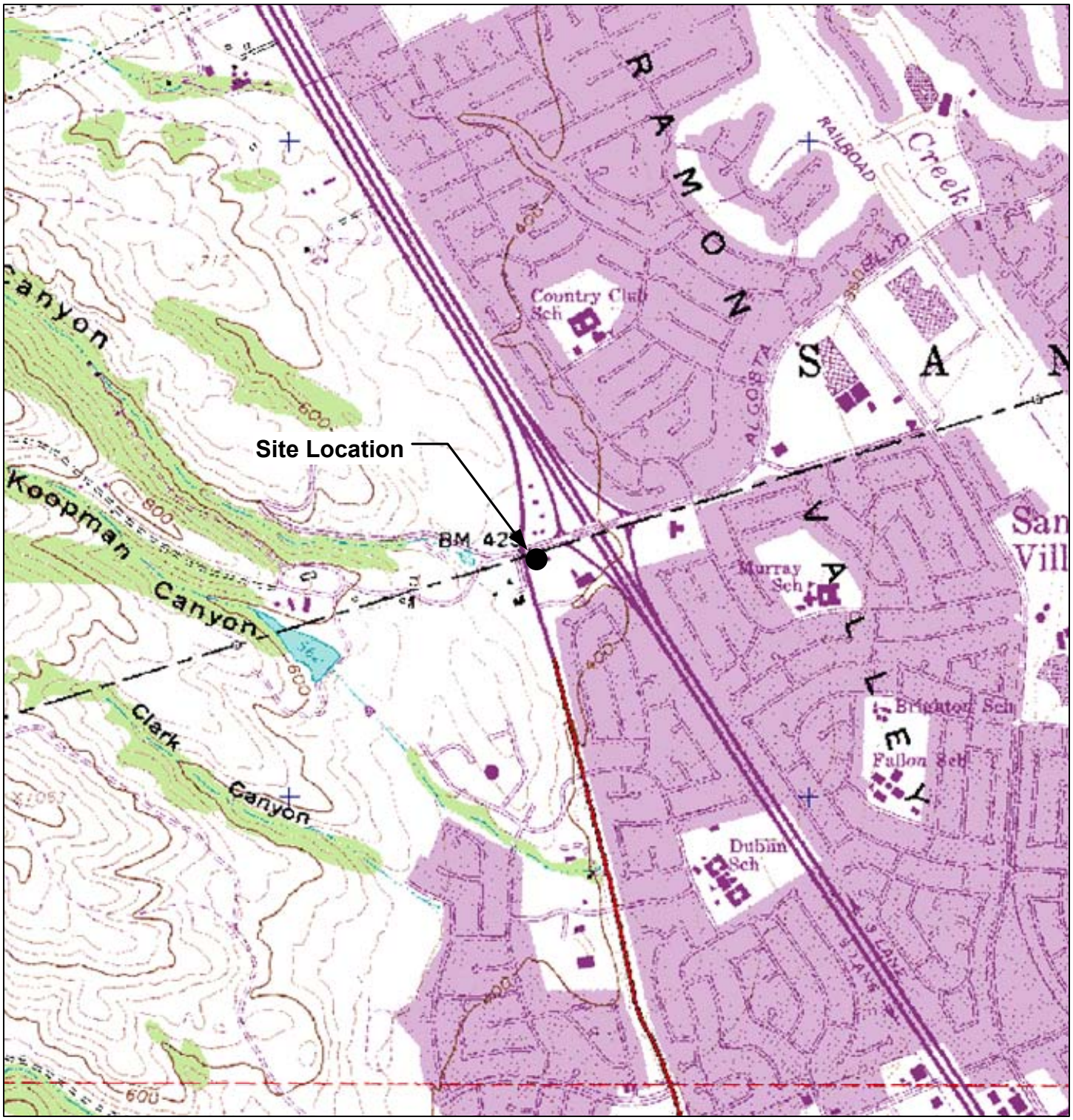
R Lee Dooley

Lee Dooley
Site Manager (DELTA)

ATTACHED:

- Figure 1 – Site Location Map
- Figure 2 – Groundwater Elevation Contour Map, August 24, 2006
- Figure 3 – TPH-G, MTBE, and TBA Concentration Map, August 24, 2006
- Appendix A – Groundwater Monitoring and Sampling Report, September 15, 2006

FIGURES



GENERAL NOTES:

Base Map from: 3-D TopoQuads DeLorme Yarmouth, ME 04096 Source Data: USGS

North

QUADRANGLE LOCATION

0 1,300 2,600

Scale, Feet

FIGURE 1

SITE LOCATION MAP

SHELL-BRANDED SERVICE STATION
8999 San Ramon Road
Dublin, California

PROJECT NO. SJ89-99S-1.2005	DRAWN BY V. F. 12/9/04
FILE NO. SJ89-99S-1.2004	PREPARED BY VF
REVISION NO.	REVIEWED BY

Delta Environmental Consultants, Inc.

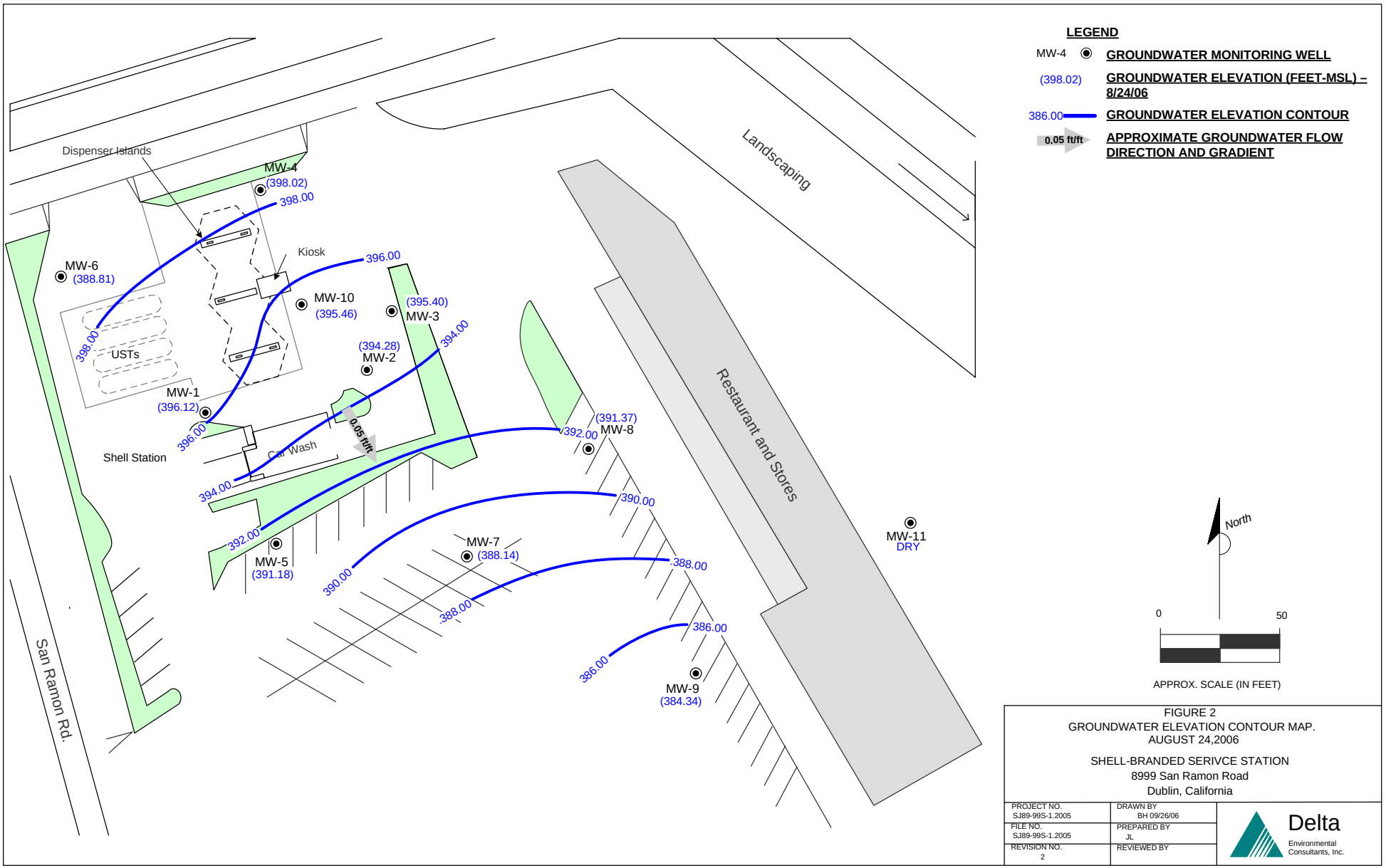


FIGURE 2
GROUNDWATER ELEVATION CONTOUR MAP.
AUGUST 24,2006

SHELL-BRANDED SERIVCE STATION
8999 San Ramon Road
Dublin, California

PROJECT NO. SJ89-99S-1.2005	DRAWN BY BH 09/26/06
FILE NO. SJ89-99S-1.2005	PREPARED BY JL
REVISION NO. 2	REVIEWED BY

Delta
Environmental Consultants, Inc.

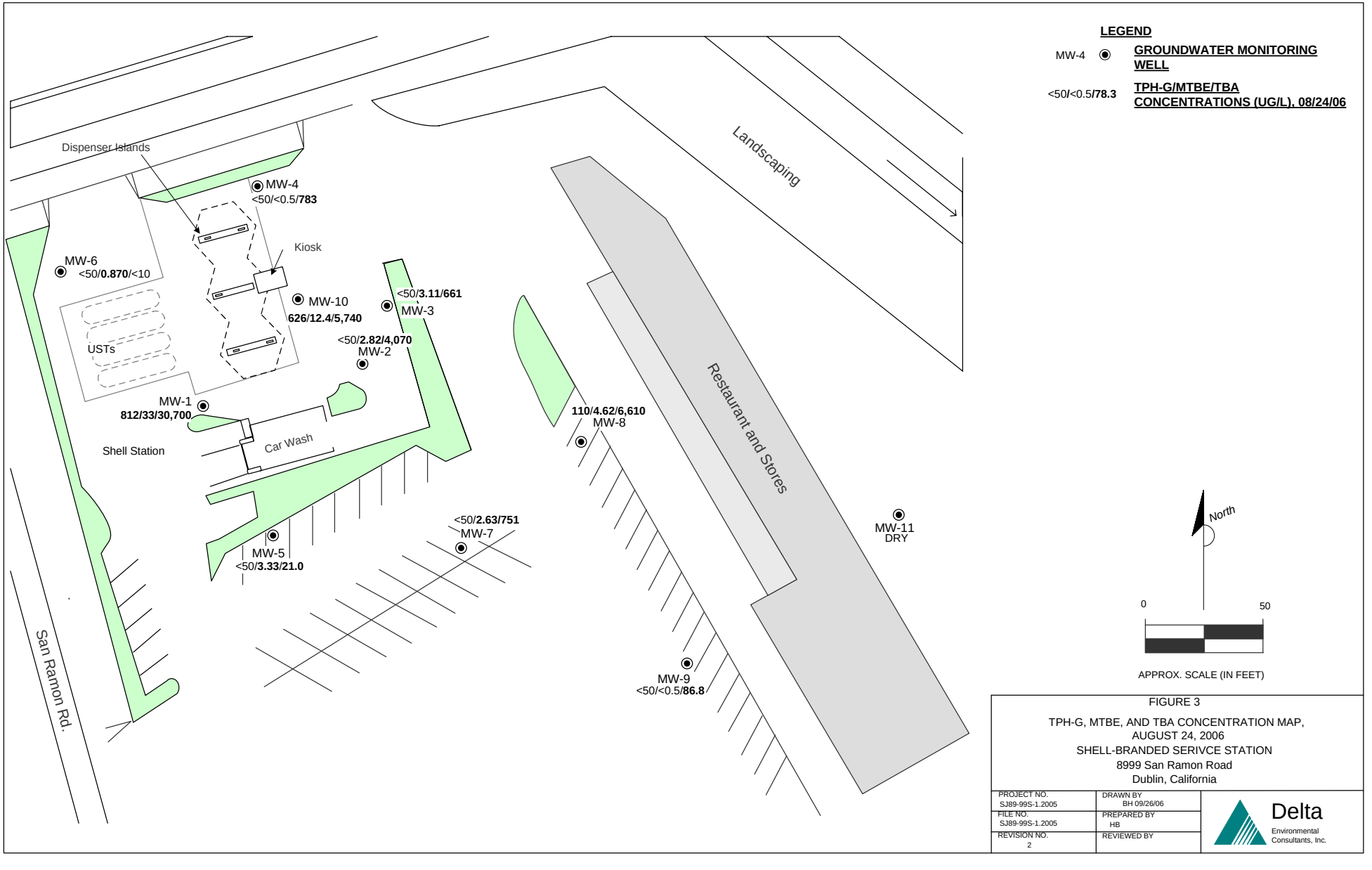


FIGURE 3

TPH-G, MTBE, AND TBA CONCENTRATION MAP,
AUGUST 24, 2006
SHELL-BRANDED SERIVCE STATION
8999 San Ramon Road
Dublin, California

PROJECT NO. SJ89-99S-1.2005	DRAWN BY BH 09/26/06
FILE NO. SJ89-99S-1.2005	PREPARED BY HB
REVISION NO. 2	REVIEWED BY

Delta Environmental Consultants, Inc.

APPENDIX A

GROUNDWATER MONITORING AND SAMPLING REPORT, SEPTEMBER 15, 2006

BLAINE
TECH SERVICES INC.

GROUNDWATER SAMPLING SPECIALISTS
SINCE 1985

September 15, 2006

Denis Brown
Shell Oil Products US
20945 South Wilmington Avenue
Carson, CA 90810

Third Quarter 2006 Groundwater Monitoring at
Former Shell Service Station
8999 San Ramon Road
Dublin, CA

Monitoring performed on August 21 and 24, 2006

Groundwater Monitoring Report **060824-DR-1**

This report covers the routine monitoring of groundwater wells at this former Shell facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Mike Ninokata
Project Coordinator

MN/ks

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Lee Dooley
Delta Environmental
175 Bernal Road, Suite 200
San Jose, CA 95119

WELL CONCENTRATIONS
Shell Service Station
8999 San Ramon Road
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-1	05/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.93	NA
MW-1	05/19/2005	<5,000	160 a	<50	<50	<50	<100	1,400	<200	<200	<200	57,000	420.06	20.70	399.36
MW-1	08/15/2005	<5,000	<50	<50	<50	<50	<100	360	<200	<200	<200	56,000	420.06	23.98	396.08
MW-1	11/08/2005	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	420.06	NA	NA
MW-1	01/30/2006	585	438	<0.500	<0.500	<0.500	<0.500	15.6	<0.500	<0.500	<0.500	115,000	420.06	26.39	393.67
MW-1	05/19/2006	2,940	279 c	<0.500	<0.500	<0.500	<0.500	150	<0.500	0.940	<0.500	49,500	420.06	23.10	396.96
MW-1	**08/24/2006**	**812**	**85.6 c**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**33.0**	**<0.500**	**0.890**	**<0.500**	**30,700**	**420.06**	**23.94**	**396.12**
MW-2	05/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.72	NA
MW-2	05/19/2005	<500	<50	<5.0	<5.0	<5.0	<10	11	<20	<20	<20	4,200	418.88	21.26	397.62
MW-2	08/15/2005	<1,000	<50	<10	<10	<10	<20	<10	<40	<40	<40	7,500	418.88	25.33	393.55
MW-2	11/08/2005	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	418.88	NA	NA
MW-2	01/30/2006	<50.0	401	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	1,310	418.88	25.87	393.01
MW-2	05/19/2006	398	134 c	<0.500	<0.500	<0.500	<0.500	7.65	<0.500	<0.500	<0.500	4,910	418.88	21.75	397.13
MW-2	**08/24/2006**	**<50.0**	**<46.9 c**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**2.82**	**<0.500**	**<0.500**	**<0.500**	**4,070**	**418.88**	**24.60**	**394.28**
MW-3	05/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.08	NA
MW-3	05/19/2005	<50	120 a	<0.50	<0.50	<0.50	<1.0	40	<2.0	<2.0	<2.0	6.5	417.24	19.08	398.16
MW-3	08/15/2005	<50	73	<0.50	<0.50	<0.50	<1.0	34	<2.0	<2.0	<2.0	<5.0	417.24	22.20	395.04
MW-3	11/08/2005	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	417.24	NA	NA
MW-3	01/30/2006	<50.0	412	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	417.24	23.64	393.60
MW-3	05/19/2006	<50.0	183 c	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<0.500	<10.0	417.24	19.00	398.24
MW-3	**08/24/2006**	**<50.0**	**214 c**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**3.11**	**<0.500**	**<0.500**	**<0.500**	**661**	**417.24**	**21.84**	**395.40**
MW-4	05/09/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.77	NA
MW-4	05/19/2005	97	59 a	0.66	<0.50	<0.50	<1.0	4.8	<2.0	<2.0	<2.0	8.2	420.52	19.85	400.67
MW-4	08/15/2005	67	<50	<0.50	<0.50	<0.50	<1.0	0.86	<2.0	<2.0	<2.0	<5.0	420.52	23.34	397.18
MW-4	11/08/2005	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	420.52	NA	NA

WELL CONCENTRATIONS
Shell Service Station
8999 San Ramon Road
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)
MW-4	01/30/2006	<50.0	112	<0.500	<0.500	<0.500	<0.500	1.63	<0.500	<0.500	<0.500	<10.0	420.52	24.13	396.39
MW-4	05/19/2006	<50.0	<46.9 c	<0.500	<0.500	<0.500	<0.500	1.08	<0.500	<0.500	<0.500	<10.0	420.52	19.79	400.73
MW-4	**08/24/2006**	**<50.0**	**<47.2 c**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**78.3**	**420.52**	**22.50**	**398.02**
MW-5	**08/21/2006**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**416.88**	**25.25**	**391.63**
MW-5	**08/24/2006**	**<50.0**	**108 c**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**3.33**	**<0.500**	**<0.500**	**<0.500**	**21.0**	**416.88**	**25.70**	**391.18**
MW-6	02/28/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	422.50	23.55	398.95
MW-6	03/03/2006	<50.0	104	<0.500	<0.500	<0.500	<0.500	4.93	<0.500	<0.500	<0.500	<10.0	422.50	23.30	399.20
MW-6	05/19/2006	<50.0	<46.9	<0.500	<0.500	<0.500	<0.500	5.76	<0.500	<0.500	<0.500	<10.0	422.50	20.31	402.19
MW-6	**08/24/2006**	**<50.0**	**<47.2 c**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**0.870**	**<0.500**	**<0.500**	**<0.500**	**<10.0**	**422.50**	**23.69**	**398.81**
MW-7	**08/21/2006**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**414.35**	**25.84**	**388.51**
MW-7	**08/24/2006**	**<50.0**	**<47.2 c**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**2.63**	**<0.500**	**<0.500**	**<0.500**	**751**	**414.35**	**26.21**	**388.14**
MW-8	**08/21/2006**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**414.54**	**23.02**	**391.52**
MW-8	**08/24/2006**	**110**	**74.5 c**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**4.62**	**<0.500**	**<0.500**	**<0.500**	**6,610**	**414.54**	**23.17**	**391.37**
MW-9	**08/21/2006**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**412.69**	**27.75**	**384.94**
MW-9	**08/24/2006**	**<50.0**	**69.9 c,d**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**86.8**	**412.69**	**28.35**	**384.34**
MW-10	**08/21/2006**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**419.48**	**23.90**	**395.58**
MW-10	**08/24/2006**	**626**	**100 c**	**1.04**	**<0.500**	**1.22**	**<0.500**	**12.4**	**<0.500**	**<0.500**	**<0.500**	**5,740**	**419.48**	**24.02**	**395.46**
MW-11	**08/21/2006**	**Well dry**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**409.69**	**NA**	**NA**
MW-11	**08/24/2006**	**Well dry**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**409.69**	**NA**	**NA**

WELL CONCENTRATIONS
Shell Service Station
8999 San Ramon Road
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8260B.
TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B.
MTBE = Methyl tertiary butyl ether
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B
TBA = Tertiary butyl alcohol or tertiary butanol, analyzed by EPA Method 8260B
TOC = Top of Casing Elevation
GW = Groundwater
ug/L = Parts per billion
MSL = Mean sea level
ft. = Feet
<n = Below detection limit
NA = Not applicable

Notes:
a = Hydrocarbon reported does not match the pattern of the laboratory's Diesel standard.
b = Quantity of unknown hydrocarbon(s) in sample based on gasoline.
c = Diesel with silica gel clean-up.
d = Insufficient sample available for reanalysis.
Site surveyed May 10, 2005 by Mid Coast Engineers.
Well MW-6 surveyed March 3, 2006 by Mid Coast Engineers.

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

September 15, 2006

Client: Delta Env. Consultants (San Jose) / SHELL (13653)
175 Bernal Rd., Suite 200
San Jose, CA 95119
Attn: Heather Buckingham

Work Order: NPH3646
Project Name: 8999 San Ramon Rd, Dublin, CA
Project Nbr: SAP 135244
P/O Nbr: 97565995
Date Received: 08/26/06

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-1	NPH3646-01	08/24/06 13:55
MW-2	NPH3646-02	08/24/06 10:05
MW-3	NPH3646-03	08/24/06 09:01
MW-4	NPH3646-04	08/24/06 13:30
MW-5	NPH3646-05	08/24/06 12:02
MW-6	NPH3646-06	08/24/06 13:40
MW-7	NPH3646-07	08/24/06 14:20
MW-8	NPH3646-08	08/24/06 11:30
MW-9	NPH3646-09	08/24/06 10:40
MW-10	NPH3646-10	08/24/06 12:27

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

California Certification Number: 01168CA

The Chain(s) of Custody, 5 pages, are included and are an integral part of this report.

Report Approved By:

Jim Hatfield
Project Management

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Delta Env. Consultants (San Jose) / SHELL (13653)	Work Order:	NPH3646
	175 Bernal Rd., Suite 200	Project Name:	8999 San Ramon Rd, Dublin, CA
	San Jose, CA 95119	Project Number:	SAP 135244
Attn	Heather Buckingham	Received:	08/26/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPH3646-01 (MW-1 - Water) Sampled: 08/24/06 13:55								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	09/06/06 06:29	SW846 8260B	6090879
Benzene	ND		ug/L	0.500	1	09/06/06 06:29	SW846 8260B	6090879
Ethyl tert-Butyl Ether	**0.890**		ug/L	0.500	1	09/06/06 06:29	SW846 8260B	6090879
Diisopropyl Ether	ND		ug/L	0.500	1	09/06/06 06:29	SW846 8260B	6090879
Ethylbenzene	ND		ug/L	0.500	1	09/06/06 06:29	SW846 8260B	6090879
Methyl tert-Butyl Ether	**33.0**		ug/L	0.500	1	09/06/06 06:29	SW846 8260B	6090879
Toluene	ND		ug/L	0.500	1	09/06/06 06:29	SW846 8260B	6090879
Tertiary Butyl Alcohol	**30700**		ug/L	1000	100	09/06/06 23:55	SW846 8260B	6091068
Xylenes, total	ND		ug/L	0.500	1	09/06/06 06:29	SW846 8260B	6090879
Surr: 1,2-Dichloroethane-d4 (70-130%)	*105 %*					*09/06/06 06:29*	*SW846 8260B*	*6090879*
Surr: Dibromofluoromethane (79-122%)	*111 %*					*09/06/06 06:29*	*SW846 8260B*	*6090879*
Surr: Toluene-d8 (78-121%)	*86 %*					*09/06/06 06:29*	*SW846 8260B*	*6090879*
Surr: 4-Bromofluorobenzene (78-126%)	*98 %*					*09/06/06 06:29*	*SW846 8260B*	*6090879*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	**812**		ug/L	50.0	1	09/06/06 06:29	CA LUFT GC/MS	6090879
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	**85.6**		ug/L	47.6	1	08/31/06 21:52	SW846 8015B	6085538
Surr: o-Terphenyl (55-150%)	*72 %*					*08/31/06 21:52*	*SW846 8015B*	*6085538*
Sample ID: NPH3646-02 (MW-2 - Water) Sampled: 08/24/06 10:05								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	09/06/06 06:53	SW846 8260B	6090879
Benzene	ND		ug/L	0.500	1	09/06/06 06:53	SW846 8260B	6090879
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	09/06/06 06:53	SW846 8260B	6090879
Diisopropyl Ether	ND		ug/L	0.500	1	09/06/06 06:53	SW846 8260B	6090879
Ethylbenzene	ND		ug/L	0.500	1	09/06/06 06:53	SW846 8260B	6090879
Methyl tert-Butyl Ether	**2.82**		ug/L	0.500	1	09/06/06 06:53	SW846 8260B	6090879
Toluene	ND		ug/L	0.500	1	09/06/06 06:53	SW846 8260B	6090879
Tertiary Butyl Alcohol	**4070**		ug/L	100	10	09/07/06 00:20	SW846 8260B	6091068
Xylenes, total	ND		ug/L	0.500	1	09/06/06 06:53	SW846 8260B	6090879
Surr: 1,2-Dichloroethane-d4 (70-130%)	*100 %*					*09/06/06 06:53*	*SW846 8260B*	*6090879*
Surr: Dibromofluoromethane (79-122%)	*106 %*					*09/06/06 06:53*	*SW846 8260B*	*6090879*
Surr: Toluene-d8 (78-121%)	*84 %*					*09/06/06 06:53*	*SW846 8260B*	*6090879*
Surr: 4-Bromofluorobenzene (78-126%)	*99 %*					*09/06/06 06:53*	*SW846 8260B*	*6090879*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	ND		ug/L	50.0	1	09/06/06 06:53	CA LUFT GC/MS	6090879
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	ND		ug/L	46.9	1	08/31/06 22:11	SW846 8015B	6085538
Surr: o-Terphenyl (55-150%)	*82 %*					*08/31/06 22:11*	*SW846 8015B*	*6085538*

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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Delta Env. Consultants (San Jose) / SHELL (13653)	Work Order:	NPH3646
	175 Bernal Rd., Suite 200	Project Name:	8999 San Ramon Rd, Dublin, CA
	San Jose, CA 95119	Project Number:	SAP 135244
Attn	Heather Buckingham	Received:	08/26/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPH3646-03 (MW-3 - Water) Sampled: 08/24/06 09:01								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	09/06/06 07:18	SW846 8260B	6090879
Benzene	ND		ug/L	0.500	1	09/06/06 07:18	SW846 8260B	6090879
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	09/06/06 07:18	SW846 8260B	6090879
Diisopropyl Ether	ND		ug/L	0.500	1	09/06/06 07:18	SW846 8260B	6090879
Ethylbenzene	ND		ug/L	0.500	1	09/06/06 07:18	SW846 8260B	6090879
Methyl tert-Butyl Ether	**3.11**		ug/L	0.500	1	09/06/06 07:18	SW846 8260B	6090879
Toluene	ND		ug/L	0.500	1	09/06/06 07:18	SW846 8260B	6090879
Tertiary Butyl Alcohol	**661**		ug/L	10.0	1	09/06/06 07:18	SW846 8260B	6090879
Xylenes, total	ND		ug/L	0.500	1	09/06/06 07:18	SW846 8260B	6090879
Surr: 1,2-Dichloroethane-d4 (70-130%)	*103 %*					*09/06/06 07:18*	*SW846 8260B*	*6090879*
Surr: Dibromofluoromethane (79-122%)	*109 %*					*09/06/06 07:18*	*SW846 8260B*	*6090879*
Surr: Toluene-d8 (78-121%)	*86 %*					*09/06/06 07:18*	*SW846 8260B*	*6090879*
Surr: 4-Bromofluorobenzene (78-126%)	*106 %*					*09/06/06 07:18*	*SW846 8260B*	*6090879*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	ND		ug/L	50.0	1	09/06/06 07:18	CA LUFT GC/MS	6090879
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	**214**		ug/L	47.2	1	08/31/06 22:29	SW846 8015B	6085538
Surr: o-Terphenyl (55-150%)	*33 %*	*ZX*				*08/31/06 22:29*	*SW846 8015B*	*6085538*
Sample ID: NPH3646-04 (MW-4 - Water) Sampled: 08/24/06 13:30								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	09/06/06 07:42	SW846 8260B	6090879
Benzene	ND		ug/L	0.500	1	09/06/06 07:42	SW846 8260B	6090879
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	09/06/06 07:42	SW846 8260B	6090879
Diisopropyl Ether	ND		ug/L	0.500	1	09/06/06 07:42	SW846 8260B	6090879
Ethylbenzene	ND		ug/L	0.500	1	09/06/06 07:42	SW846 8260B	6090879
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	09/06/06 07:42	SW846 8260B	6090879
Toluene	ND		ug/L	0.500	1	09/06/06 07:42	SW846 8260B	6090879
Tertiary Butyl Alcohol	**78.3**		ug/L	10.0	1	09/06/06 07:42	SW846 8260B	6090879
Xylenes, total	ND		ug/L	0.500	1	09/06/06 07:42	SW846 8260B	6090879
Surr: 1,2-Dichloroethane-d4 (70-130%)	*100 %*					*09/06/06 07:42*	*SW846 8260B*	*6090879*
Surr: Dibromofluoromethane (79-122%)	*110 %*					*09/06/06 07:42*	*SW846 8260B*	*6090879*
Surr: Toluene-d8 (78-121%)	*85 %*					*09/06/06 07:42*	*SW846 8260B*	*6090879*
Surr: 4-Bromofluorobenzene (78-126%)	*103 %*					*09/06/06 07:42*	*SW846 8260B*	*6090879*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	ND		ug/L	50.0	1	09/06/06 07:42	CA LUFT GC/MS	6090879
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	ND		ug/L	47.2	1	08/31/06 22:47	SW846 8015B	6085538
Surr: o-Terphenyl (55-150%)	*78 %*					*08/31/06 22:47*	*SW846 8015B*	*6085538*

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Client	Delta Env. Consultants (San Jose) / SHELL (13653)	Work Order:	NPH3646
	175 Bernal Rd., Suite 200	Project Name:	8999 San Ramon Rd, Dublin, CA
	San Jose, CA 95119	Project Number:	SAP 135244
Attn	Heather Buckingham	Received:	08/26/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPH3646-05 (MW-5 - Water) Sampled: 08/24/06 12:02								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	09/06/06 08:07	SW846 8260B	6090879
Benzene	ND		ug/L	0.500	1	09/06/06 08:07	SW846 8260B	6090879
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	09/06/06 08:07	SW846 8260B	6090879
Diisopropyl Ether	ND		ug/L	0.500	1	09/06/06 08:07	SW846 8260B	6090879
Ethylbenzene	ND		ug/L	0.500	1	09/06/06 08:07	SW846 8260B	6090879
Methyl tert-Butyl Ether	**3.33**		ug/L	0.500	1	09/06/06 08:07	SW846 8260B	6090879
Toluene	ND		ug/L	0.500	1	09/06/06 08:07	SW846 8260B	6090879
Tertiary Butyl Alcohol	**21.0**		ug/L	10.0	1	09/06/06 08:07	SW846 8260B	6090879
Xylenes, total	ND		ug/L	0.500	1	09/06/06 08:07	SW846 8260B	6090879
Surr: 1,2-Dichloroethane-d4 (70-130%)	*99 %*					*09/06/06 08:07*	*SW846 8260B*	*6090879*
Surr: Dibromofluoromethane (79-122%)	*109 %*					*09/06/06 08:07*	*SW846 8260B*	*6090879*
Surr: Toluene-d8 (78-121%)	*83 %*					*09/06/06 08:07*	*SW846 8260B*	*6090879*
Surr: 4-Bromofluorobenzene (78-126%)	*99 %*					*09/06/06 08:07*	*SW846 8260B*	*6090879*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	ND		ug/L	50.0	1	09/06/06 08:07	CA LUFT GC/MS	6090879
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	**108**		ug/L	47.2	1	08/31/06 23:43	SW846 8015B	6085538
Surr: o-Terphenyl (55-150%)	*69 %*					*08/31/06 23:43*	*SW846 8015B*	*6085538*
Sample ID: NPH3646-06 (MW-6 - Water) Sampled: 08/24/06 13:40								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	09/06/06 08:31	SW846 8260B	6090879
Benzene	ND		ug/L	0.500	1	09/06/06 08:31	SW846 8260B	6090879
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	09/06/06 08:31	SW846 8260B	6090879
Diisopropyl Ether	ND		ug/L	0.500	1	09/06/06 08:31	SW846 8260B	6090879
Ethylbenzene	ND		ug/L	0.500	1	09/06/06 08:31	SW846 8260B	6090879
Methyl tert-Butyl Ether	**0.870**		ug/L	0.500	1	09/06/06 08:31	SW846 8260B	6090879
Toluene	ND		ug/L	0.500	1	09/06/06 08:31	SW846 8260B	6090879
Tertiary Butyl Alcohol	ND		ug/L	10.0	1	09/06/06 08:31	SW846 8260B	6090879
Xylenes, total	ND		ug/L	0.500	1	09/06/06 08:31	SW846 8260B	6090879
Surr: 1,2-Dichloroethane-d4 (70-130%)	*103 %*					*09/06/06 08:31*	*SW846 8260B*	*6090879*
Surr: Dibromofluoromethane (79-122%)	*102 %*					*09/06/06 08:31*	*SW846 8260B*	*6090879*
Surr: Toluene-d8 (78-121%)	*83 %*					*09/06/06 08:31*	*SW846 8260B*	*6090879*
Surr: 4-Bromofluorobenzene (78-126%)	*105 %*					*09/06/06 08:31*	*SW846 8260B*	*6090879*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	ND		ug/L	50.0	1	09/06/06 08:31	CA LUFT GC/MS	6090879
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	ND		ug/L	47.2	1	09/01/06 00:01	SW846 8015B	6085538
Surr: o-Terphenyl (55-150%)	*78 %*					*09/01/06 00:01*	*SW846 8015B*	*6085538*

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Client	Delta Env. Consultants (San Jose) / SHELL (13653)	Work Order:	NPH3646
	175 Bernal Rd., Suite 200	Project Name:	8999 San Ramon Rd, Dublin, CA
	San Jose, CA 95119	Project Number:	SAP 135244
Attn	Heather Buckingham	Received:	08/26/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPH3646-07 (MW-7 - Water) Sampled: 08/24/06 14:20								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	09/06/06 08:55	SW846 8260B	6090879
Benzene	ND		ug/L	0.500	1	09/06/06 08:55	SW846 8260B	6090879
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	09/06/06 08:55	SW846 8260B	6090879
Diisopropyl Ether	ND		ug/L	0.500	1	09/06/06 08:55	SW846 8260B	6090879
Ethylbenzene	ND		ug/L	0.500	1	09/06/06 08:55	SW846 8260B	6090879
Methyl tert-Butyl Ether	**2.63**		ug/L	0.500	1	09/06/06 08:55	SW846 8260B	6090879
Toluene	ND		ug/L	0.500	1	09/06/06 08:55	SW846 8260B	6090879
Tertiary Butyl Alcohol	**751**		ug/L	10.0	1	09/06/06 08:55	SW846 8260B	6090879
Xylenes, total	ND		ug/L	0.500	1	09/06/06 08:55	SW846 8260B	6090879
Surr: 1,2-Dichloroethane-d4 (70-130%)	*103 %*					*09/06/06 08:55*	*SW846 8260B*	*6090879*
Surr: Dibromofluoromethane (79-122%)	*109 %*					*09/06/06 08:55*	*SW846 8260B*	*6090879*
Surr: Toluene-d8 (78-121%)	*86 %*					*09/06/06 08:55*	*SW846 8260B*	*6090879*
Surr: 4-Bromofluorobenzene (78-126%)	*101 %*					*09/06/06 08:55*	*SW846 8260B*	*6090879*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	ND		ug/L	50.0	1	09/06/06 08:55	CA LUFT GC/MS	6090879
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	ND		ug/L	47.2	1	09/01/06 00:19	SW846 8015B	6085538
Surr: o-Terphenyl (55-150%)	*28 %*	*ZX*				*09/01/06 00:19*	*SW846 8015B*	*6085538*
Sample ID: NPH3646-08 (MW-8 - Water) Sampled: 08/24/06 11:30								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	09/07/06 01:08	SW846 8260B	6091068
Benzene	ND		ug/L	0.500	1	09/07/06 01:08	SW846 8260B	6091068
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	09/07/06 01:08	SW846 8260B	6091068
Diisopropyl Ether	ND		ug/L	0.500	1	09/07/06 01:08	SW846 8260B	6091068
Ethylbenzene	ND		ug/L	0.500	1	09/07/06 01:08	SW846 8260B	6091068
Methyl tert-Butyl Ether	**4.62**		ug/L	0.500	1	09/07/06 01:08	SW846 8260B	6091068
Toluene	ND		ug/L	0.500	1	09/07/06 01:08	SW846 8260B	6091068
Tertiary Butyl Alcohol	**6610**		ug/L	100	10	09/07/06 14:41	SW846 8260B	6091267
Xylenes, total	ND		ug/L	0.500	1	09/07/06 01:08	SW846 8260B	6091068
Surr: 1,2-Dichloroethane-d4 (70-130%)	*106 %*					*09/07/06 01:08*	*SW846 8260B*	*6091068*
Surr: Dibromofluoromethane (79-122%)	*104 %*					*09/07/06 01:08*	*SW846 8260B*	*6091068*
Surr: Toluene-d8 (78-121%)	*103 %*					*09/07/06 01:08*	*SW846 8260B*	*6091068*
Surr: 4-Bromofluorobenzene (78-126%)	*101 %*					*09/07/06 01:08*	*SW846 8260B*	*6091068*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	**110**		ug/L	50.0	1	09/07/06 01:08	CA LUFT GC/MS	6091068
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	**74.5**		ug/L	47.2	1	09/01/06 00:38	SW846 8015B	6085538
Surr: o-Terphenyl (55-150%)	*54 %*	*CF6, Z6*				*09/01/06 00:38*	*SW846 8015B*	*6085538*

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Client	Delta Env. Consultants (San Jose) / SHELL (13653)	Work Order:	NPH3646
	175 Bernal Rd., Suite 200	Project Name:	8999 San Ramon Rd, Dublin, CA
	San Jose, CA 95119	Project Number:	SAP 135244
Attn	Heather Buckingham	Received:	08/26/06 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPH3646-09 (MW-9 - Water) Sampled: 08/24/06 10:40								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	09/07/06 01:32	SW846 8260B	6091068
Benzene	ND		ug/L	0.500	1	09/07/06 01:32	SW846 8260B	6091068
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	09/07/06 01:32	SW846 8260B	6091068
Diisopropyl Ether	ND		ug/L	0.500	1	09/07/06 01:32	SW846 8260B	6091068
Ethylbenzene	ND		ug/L	0.500	1	09/07/06 01:32	SW846 8260B	6091068
Methyl tert-Butyl Ether	ND		ug/L	0.500	1	09/07/06 01:32	SW846 8260B	6091068
Toluene	ND		ug/L	0.500	1	09/07/06 01:32	SW846 8260B	6091068
Tertiary Butyl Alcohol	**86.8**		ug/L	10.0	1	09/07/06 01:32	SW846 8260B	6091068
Xylenes, total	ND		ug/L	0.500	1	09/07/06 01:32	SW846 8260B	6091068
Surr: 1,2-Dichloroethane-d4 (70-130%)	*107 %*					*09/07/06 01:32*	*SW846 8260B*	*6091068*
Surr: Dibromofluoromethane (79-122%)	*105 %*					*09/07/06 01:32*	*SW846 8260B*	*6091068*
Surr: Toluene-d8 (78-121%)	*103 %*					*09/07/06 01:32*	*SW846 8260B*	*6091068*
Surr: 4-Bromofluorobenzene (78-126%)	*101 %*					*09/07/06 01:32*	*SW846 8260B*	*6091068*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	ND		ug/L	50.0	1	09/07/06 01:32	CA LUFT GC/MS	6091068
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	**69.9**	S10	ug/L	47.2	1	09/01/06 00:56	SW846 8015B	6085538
Surr: o-Terphenyl (55-150%)	*54 %*	*Z6*				*09/01/06 00:56*	*SW846 8015B*	*6085538*
Sample ID: NPH3646-10 (MW-10 - Water) Sampled: 08/24/06 12:27								
Volatile Organic Compounds by EPA Method 8260B								
Tert-Amyl Methyl Ether	ND		ug/L	0.500	1	09/07/06 01:57	SW846 8260B	6091068
Benzene	**1.04**		ug/L	0.500	1	09/07/06 01:57	SW846 8260B	6091068
Ethyl tert-Butyl Ether	ND		ug/L	0.500	1	09/07/06 01:57	SW846 8260B	6091068
Diisopropyl Ether	ND		ug/L	0.500	1	09/07/06 01:57	SW846 8260B	6091068
Ethylbenzene	**1.22**		ug/L	0.500	1	09/07/06 01:57	SW846 8260B	6091068
Methyl tert-Butyl Ether	**12.4**		ug/L	0.500	1	09/07/06 01:57	SW846 8260B	6091068
Toluene	ND		ug/L	0.500	1	09/07/06 01:57	SW846 8260B	6091068
Tertiary Butyl Alcohol	**5740**		ug/L	100	10	09/07/06 15:08	SW846 8260B	6091267
Xylenes, total	ND		ug/L	0.500	1	09/07/06 01:57	SW846 8260B	6091068
Surr: 1,2-Dichloroethane-d4 (70-130%)	*107 %*					*09/07/06 01:57*	*SW846 8260B*	*6091068*
Surr: Dibromofluoromethane (79-122%)	*105 %*					*09/07/06 01:57*	*SW846 8260B*	*6091068*
Surr: Toluene-d8 (78-121%)	*103 %*					*09/07/06 01:57*	*SW846 8260B*	*6091068*
Surr: 4-Bromofluorobenzene (78-126%)	*101 %*					*09/07/06 01:57*	*SW846 8260B*	*6091068*
Purgeable Petroleum Hydrocarbons								
Gasoline Range Organics	**626**		ug/L	50.0	1	09/07/06 01:57	CA LUFT GC/MS	6091068
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
Diesel	**100**		ug/L	47.2	1	09/01/06 01:15	SW846 8015B	6085538
Surr: o-Terphenyl (55-150%)	*49 %*	*CF6, ZX*				*09/01/06 01:15*	*SW846 8015B*	*6085538*

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	175 Bernal Rd., Suite 200	Project Name:	8999 San Ramon Rd, Dublin, CA
	San Jose, CA 95119	Project Number:	SAP 135244
Attn	Heather Buckingham	Received:	08/26/06 08:00

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Extractable Petroleum Hydrocarbons with Silica Gel Treatment							
SW846 8015B	6085538	NPH3646-01	1050.00	1.00	08/28/06 14:10	KLG	EPA 3510C
SW846 8015B	6085538	NPH3646-02	1065.00	1.00	08/28/06 14:10	KLG	EPA 3510C
SW846 8015B	6085538	NPH3646-03	1060.00	1.00	08/28/06 14:10	KLG	EPA 3510C
SW846 8015B	6090509	NPH3646-03RE1	1050.00	1.00	09/05/06 10:30	DRH	EPA 3510C
SW846 8015B	6085538	NPH3646-04	1060.00	1.00	08/28/06 14:10	KLG	EPA 3510C
SW846 8015B	6085538	NPH3646-05	1060.00	1.00	08/28/06 14:10	KLG	EPA 3510C
SW846 8015B	6085538	NPH3646-06	1060.00	1.00	08/28/06 14:10	KLG	EPA 3510C
SW846 8015B	6085538	NPH3646-07	1060.00	1.00	08/28/06 14:10	KLG	EPA 3510C
SW846 8015B	6090509	NPH3646-07RE1	1050.00	1.00	09/05/06 10:30	DRH	EPA 3510C
SW846 8015B	6085538	NPH3646-08	1060.00	1.00	08/28/06 14:10	KLG	EPA 3510C
SW846 8015B	6090509	NPH3646-08RE1	1050.00	1.00	09/05/06 10:30	DRH	EPA 3510C
SW846 8015B	6085538	NPH3646-09	1060.00	1.00	08/28/06 14:10	KLG	EPA 3510C
SW846 8015B	6085538	NPH3646-10	1060.00	1.00	08/28/06 14:10	KLG	EPA 3510C
SW846 8015B	6090509	NPH3646-10RE1	1050.00	1.00	09/05/06 10:30	DRH	EPA 3510C

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Delta Env. Consultants (San Jose) / SHELL (13653)	Work Order:	NPH3646
	175 Bernal Rd., Suite 200	Project Name:	8999 San Ramon Rd, Dublin, CA
	San Jose, CA 95119	Project Number:	SAP 135244
Attn	Heather Buckingham	Received:	08/26/06 08:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
6090879-BLK1						
Tert-Amyl Methyl Ether	<0.200		ug/L	6090879	6090879-BLK1	09/06/06 01:12
Benzene	<0.200		ug/L	6090879	6090879-BLK1	09/06/06 01:12
Ethyl tert-Butyl Ether	<0.200		ug/L	6090879	6090879-BLK1	09/06/06 01:12
Diisopropyl Ether	<0.200		ug/L	6090879	6090879-BLK1	09/06/06 01:12
Ethylbenzene	<0.200		ug/L	6090879	6090879-BLK1	09/06/06 01:12
Methyl tert-Butyl Ether	<0.200		ug/L	6090879	6090879-BLK1	09/06/06 01:12
Toluene	<0.200		ug/L	6090879	6090879-BLK1	09/06/06 01:12
Tertiary Butyl Alcohol	<5.06		ug/L	6090879	6090879-BLK1	09/06/06 01:12
Xylenes, total	<0.350		ug/L	6090879	6090879-BLK1	09/06/06 01:12
Surrogate: 1,2-Dichloroethane-d4	97%			6090879	6090879-BLK1	09/06/06 01:12
Surrogate: 1,2-Dichloroethane-d4	97%			6090879	6090879-BLK1	09/06/06 01:12
Surrogate: Dibromofluoromethane	104%			6090879	6090879-BLK1	09/06/06 01:12
Surrogate: Dibromofluoromethane	104%			6090879	6090879-BLK1	09/06/06 01:12
Surrogate: Toluene-d8	87%			6090879	6090879-BLK1	09/06/06 01:12
Surrogate: Toluene-d8	87%			6090879	6090879-BLK1	09/06/06 01:12
Surrogate: 4-Bromofluorobenzene	106%			6090879	6090879-BLK1	09/06/06 01:12
Surrogate: 4-Bromofluorobenzene	106%			6090879	6090879-BLK1	09/06/06 01:12
6091068-BLK1						
Tert-Amyl Methyl Ether	<0.200		ug/L	6091068	6091068-BLK1	09/06/06 21:54
Benzene	<0.200		ug/L	6091068	6091068-BLK1	09/06/06 21:54
Ethyl tert-Butyl Ether	<0.200		ug/L	6091068	6091068-BLK1	09/06/06 21:54
Diisopropyl Ether	<0.200		ug/L	6091068	6091068-BLK1	09/06/06 21:54
Ethylbenzene	<0.200		ug/L	6091068	6091068-BLK1	09/06/06 21:54
Methyl tert-Butyl Ether	<0.200		ug/L	6091068	6091068-BLK1	09/06/06 21:54
Toluene	<0.200		ug/L	6091068	6091068-BLK1	09/06/06 21:54
Tertiary Butyl Alcohol	<5.06		ug/L	6091068	6091068-BLK1	09/06/06 21:54
Xylenes, total	<0.350		ug/L	6091068	6091068-BLK1	09/06/06 21:54
Surrogate: 1,2-Dichloroethane-d4	106%			6091068	6091068-BLK1	09/06/06 21:54
Surrogate: 1,2-Dichloroethane-d4	106%			6091068	6091068-BLK1	09/06/06 21:54
Surrogate: Dibromofluoromethane	105%			6091068	6091068-BLK1	09/06/06 21:54
Surrogate: Dibromofluoromethane	105%			6091068	6091068-BLK1	09/06/06 21:54
Surrogate: Toluene-d8	103%			6091068	6091068-BLK1	09/06/06 21:54
Surrogate: Toluene-d8	103%			6091068	6091068-BLK1	09/06/06 21:54
Surrogate: 4-Bromofluorobenzene	101%			6091068	6091068-BLK1	09/06/06 21:54
Surrogate: 4-Bromofluorobenzene	101%			6091068	6091068-BLK1	09/06/06 21:54
6091267-BLK1						
Tert-Amyl Methyl Ether	<0.200		ug/L	6091267	6091267-BLK1	09/07/06 14:16
Ethyl tert-Butyl Ether	<0.200		ug/L	6091267	6091267-BLK1	09/07/06 14:16
Diisopropyl Ether	<0.200		ug/L	6091267	6091267-BLK1	09/07/06 14:16
Methyl tert-Butyl Ether	<0.200		ug/L	6091267	6091267-BLK1	09/07/06 14:16

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ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Delta Env. Consultants (San Jose) / SHELL (13653)	Work Order:	NPH3646
	175 Bernal Rd., Suite 200	Project Name:	8999 San Ramon Rd, Dublin, CA
	San Jose, CA 95119	Project Number:	SAP 135244
Attn	Heather Buckingham	Received:	08/26/06 08:00

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
6091267-BLK1						
Tertiary Butyl Alcohol	<5.06		ug/L	6091267	6091267-BLK1	09/07/06 14:16
Surrogate: 1,2-Dichloroethane-d4	107%			6091267	6091267-BLK1	09/07/06 14:16
Surrogate: Dibromofluoromethane	105%			6091267	6091267-BLK1	09/07/06 14:16
Surrogate: Toluene-d8	102%			6091267	6091267-BLK1	09/07/06 14:16
Surrogate: 4-Bromofluorobenzene	100%			6091267	6091267-BLK1	09/07/06 14:16
Purgeable Petroleum Hydrocarbons						
6090879-BLK1						
Gasoline Range Organics	<50.0		ug/L	6090879	6090879-BLK1	09/06/06 01:12
Surrogate: 1,2-Dichloroethane-d4	97%			6090879	6090879-BLK1	09/06/06 01:12
Surrogate: Dibromofluoromethane	104%			6090879	6090879-BLK1	09/06/06 01:12
Surrogate: Toluene-d8	87%			6090879	6090879-BLK1	09/06/06 01:12
Surrogate: 4-Bromofluorobenzene	106%			6090879	6090879-BLK1	09/06/06 01:12
6091068-BLK1						
Gasoline Range Organics	<50.0		ug/L	6091068	6091068-BLK1	09/06/06 21:54
Surrogate: 1,2-Dichloroethane-d4	106%			6091068	6091068-BLK1	09/06/06 21:54
Surrogate: Dibromofluoromethane	105%			6091068	6091068-BLK1	09/06/06 21:54
Surrogate: Toluene-d8	103%			6091068	6091068-BLK1	09/06/06 21:54
Surrogate: 4-Bromofluorobenzene	101%			6091068	6091068-BLK1	09/06/06 21:54
Extractable Petroleum Hydrocarbons with Silica Gel Treatment						
6085538-BLK1						
Diesel	<33.0		ug/L	6085538	6085538-BLK1	08/31/06 18:49
Surrogate: o-Terphenyl	78%			6085538	6085538-BLK1	08/31/06 18:49

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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Delta Env. Consultants (San Jose) / SHELL (13653)	Work Order:	NPH3646
	175 Bernal Rd., Suite 200	Project Name:	8999 San Ramon Rd, Dublin, CA
	San Jose, CA 95119	Project Number:	SAP 135244
Attn	Heather Buckingham	Received:	08/26/06 08:00

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
6090879-BS1								
Tert-Amyl Methyl Ether	50.0	59.0		ug/L	118%	56 - 145	6090879	09/05/06 23:59
Benzene	50.0	59.2		ug/L	118%	79 - 123	6090879	09/05/06 23:59
Ethyl tert-Butyl Ether	50.0	60.0		ug/L	120%	64 - 141	6090879	09/05/06 23:59
Diisopropyl Ether	50.0	55.8		ug/L	112%	73 - 135	6090879	09/05/06 23:59
Ethylbenzene	50.0	50.2		ug/L	100%	79 - 125	6090879	09/05/06 23:59
Methyl tert-Butyl Ether	50.0	58.2		ug/L	116%	66 - 142	6090879	09/05/06 23:59
Toluene	50.0	46.2		ug/L	92%	78 - 122	6090879	09/05/06 23:59
Tertiary Butyl Alcohol	500	559		ug/L	112%	42 - 154	6090879	09/05/06 23:59
Xylenes, total	150	159		ug/L	106%	79 - 130	6090879	09/05/06 23:59
Surrogate: 1,2-Dichloroethane-d4	50.0	47.9			96%	70 - 130	6090879	09/05/06 23:59
Surrogate: 1,2-Dichloroethane-d4	50.0	47.9			96%	70 - 130	6090879	09/05/06 23:59
Surrogate: Dibromofluoromethane	50.0	49.9			100%	79 - 122	6090879	09/05/06 23:59
Surrogate: Dibromofluoromethane	50.0	49.9			100%	79 - 122	6090879	09/05/06 23:59
Surrogate: Toluene-d8	50.0	42.1			84%	78 - 121	6090879	09/05/06 23:59
Surrogate: Toluene-d8	50.0	42.1			84%	78 - 121	6090879	09/05/06 23:59
Surrogate: 4-Bromofluorobenzene	50.0	51.2			102%	78 - 126	6090879	09/05/06 23:59
Surrogate: 4-Bromofluorobenzene	50.0	51.2			102%	78 - 126	6090879	09/05/06 23:59
6091068-BS1								
Tert-Amyl Methyl Ether	50.0	53.2		ug/L	106%	56 - 145	6091068	09/06/06 20:41
Benzene	50.0	50.2		ug/L	100%	79 - 123	6091068	09/06/06 20:41
Ethyl tert-Butyl Ether	50.0	52.0		ug/L	104%	64 - 141	6091068	09/06/06 20:41
Diisopropyl Ether	50.0	52.0		ug/L	104%	73 - 135	6091068	09/06/06 20:41
Ethylbenzene	50.0	50.3		ug/L	101%	79 - 125	6091068	09/06/06 20:41
Methyl tert-Butyl Ether	50.0	50.9		ug/L	102%	66 - 142	6091068	09/06/06 20:41
Toluene	50.0	48.7		ug/L	97%	78 - 122	6091068	09/06/06 20:41
Tertiary Butyl Alcohol	500	520		ug/L	104%	42 - 154	6091068	09/06/06 20:41
Xylenes, total	150	153		ug/L	102%	79 - 130	6091068	09/06/06 20:41
Surrogate: 1,2-Dichloroethane-d4	50.0	51.8			104%	70 - 130	6091068	09/06/06 20:41
Surrogate: 1,2-Dichloroethane-d4	50.0	51.8			104%	70 - 130	6091068	09/06/06 20:41
Surrogate: Dibromofluoromethane	50.0	52.6			105%	79 - 122	6091068	09/06/06 20:41
Surrogate: Dibromofluoromethane	50.0	52.6			105%	79 - 122	6091068	09/06/06 20:41
Surrogate: Toluene-d8	50.0	51.5			103%	78 - 121	6091068	09/06/06 20:41
Surrogate: Toluene-d8	50.0	51.5			103%	78 - 121	6091068	09/06/06 20:41
Surrogate: 4-Bromofluorobenzene	50.0	50.2			100%	78 - 126	6091068	09/06/06 20:41
Surrogate: 4-Bromofluorobenzene	50.0	50.2			100%	78 - 126	6091068	09/06/06 20:41
6091267-BS1								
Tert-Amyl Methyl Ether	50.0	52.3		ug/L	105%	56 - 145	6091267	09/07/06 13:03
Ethyl tert-Butyl Ether	50.0	51.4		ug/L	103%	64 - 141	6091267	09/07/06 13:03
Diisopropyl Ether	50.0	51.2		ug/L	102%	73 - 135	6091267	09/07/06 13:03
Methyl tert-Butyl Ether	50.0	50.8		ug/L	102%	66 - 142	6091267	09/07/06 13:03

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Delta Env. Consultants (San Jose) / SHELL (13653)	Work Order:	NPH3646
	175 Bernal Rd., Suite 200	Project Name:	8999 San Ramon Rd, Dublin, CA
	San Jose, CA 95119	Project Number:	SAP 135244
Attn	Heather Buckingham	Received:	08/26/06 08:00

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
6091267-BS1								
Tertiary Butyl Alcohol	500	505		ug/L	101%	42 - 154	6091267	09/07/06 13:03
Surrogate: 1,2-Dichloroethane-d4	50.0	52.1			104%	70 - 130	6091267	09/07/06 13:03
Surrogate: Dibromofluoromethane	50.0	52.5			105%	79 - 122	6091267	09/07/06 13:03
Surrogate: Toluene-d8	50.0	51.2			102%	78 - 121	6091267	09/07/06 13:03
Surrogate: 4-Bromofluorobenzene	50.0	49.7			99%	78 - 126	6091267	09/07/06 13:03
Purgeable Petroleum Hydrocarbons								
6090879-BS1								
Gasoline Range Organics	3050	2680		ug/L	88%	67 - 130	6090879	09/05/06 23:59
Surrogate: 1,2-Dichloroethane-d4	50.0	47.9			96%	70 - 130	6090879	09/05/06 23:59
Surrogate: Dibromofluoromethane	50.0	49.9			100%	70 - 130	6090879	09/05/06 23:59
Surrogate: Toluene-d8	50.0	42.1			84%	70 - 130	6090879	09/05/06 23:59
Surrogate: 4-Bromofluorobenzene	50.0	51.2			102%	70 - 130	6090879	09/05/06 23:59
6091068-BS1								
Gasoline Range Organics	3050	3190		ug/L	105%	67 - 130	6091068	09/06/06 20:41
Surrogate: 1,2-Dichloroethane-d4	50.0	51.8			104%	70 - 130	6091068	09/06/06 20:41
Surrogate: Dibromofluoromethane	50.0	52.6			105%	70 - 130	6091068	09/06/06 20:41
Surrogate: Toluene-d8	50.0	51.5			103%	70 - 130	6091068	09/06/06 20:41
Surrogate: 4-Bromofluorobenzene	50.0	50.2			100%	70 - 130	6091068	09/06/06 20:41
Extractable Petroleum Hydrocarbons with Silica Gel Treatment								
6085538-BS1								
Diesel	1000	773		ug/L	77%	49 - 118	6085538	08/31/06 19:07
Surrogate: o-Terphenyl	20.0	16.2			81%	55 - 150	6085538	08/31/06 19:07

Client	Delta Env. Consultants (San Jose) / SHELL (13653)	Work Order:	NPH3646
	175 Bernal Rd., Suite 200	Project Name:	8999 San Ramon Rd, Dublin, CA
	San Jose, CA 95119	Project Number:	SAP 135244
Attn	Heather Buckingham	Received:	08/26/06 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
6090879-MS1										
Tert-Amyl Methyl Ether	ND	64.1		ug/L	50.0	128%	45 - 155	6090879	NPH3547-02	09/06/06 09:44
Benzene	ND	69.5	M7	ug/L	50.0	139%	71 - 137	6090879	NPH3547-02	09/06/06 09:44
Ethyl tert-Butyl Ether	ND	63.8		ug/L	50.0	128%	57 - 148	6090879	NPH3547-02	09/06/06 09:44
Diisopropyl Ether	ND	63.3		ug/L	50.0	127%	67 - 143	6090879	NPH3547-02	09/06/06 09:44
Ethylbenzene	ND	57.2		ug/L	50.0	114%	72 - 139	6090879	NPH3547-02	09/06/06 09:44
Methyl tert-Butyl Ether	0.670	63.1		ug/L	50.0	125%	55 - 152	6090879	NPH3547-02	09/06/06 09:44
Toluene	ND	53.2		ug/L	50.0	106%	73 - 133	6090879	NPH3547-02	09/06/06 09:44
Tertiary Butyl Alcohol	1060	1.00E9	M7	ug/L	500	200000000%	19 - 183	6090879	NPH3547-02	09/06/06 09:44
Xylenes, total	ND	179		ug/L	150	119%	70 - 143	6090879	NPH3547-02	09/06/06 09:44
Surrogate: 1,2-Dichloroethane-d4		49.2		ug/L	50.0	98%	70 - 130	6090879	NPH3547-02	09/06/06 09:44
Surrogate: 1,2-Dichloroethane-d4		49.2		ug/L	50.0	98%	70 - 130	6090879	NPH3547-02	09/06/06 09:44
Surrogate: Dibromofluoromethane		52.2		ug/L	50.0	104%	79 - 122	6090879	NPH3547-02	09/06/06 09:44
Surrogate: Dibromofluoromethane		52.2		ug/L	50.0	104%	79 - 122	6090879	NPH3547-02	09/06/06 09:44
Surrogate: Toluene-d8		43.5		ug/L	50.0	87%	78 - 121	6090879	NPH3547-02	09/06/06 09:44
Surrogate: Toluene-d8		43.5		ug/L	50.0	87%	78 - 121	6090879	NPH3547-02	09/06/06 09:44
Surrogate: 4-Bromofluorobenzene		48.8		ug/L	50.0	98%	78 - 126	6090879	NPH3547-02	09/06/06 09:44
Surrogate: 4-Bromofluorobenzene		48.8		ug/L	50.0	98%	78 - 126	6090879	NPH3547-02	09/06/06 09:44
6091267-MS1										
Tert-Amyl Methyl Ether	ND	56.5		ug/L	50.0	113%	45 - 155	6091267	NPH3818-01	09/07/06 23:16
Ethyl tert-Butyl Ether	ND	57.7		ug/L	50.0	115%	57 - 148	6091267	NPH3818-01	09/07/06 23:16
Diisopropyl Ether	ND	59.0		ug/L	50.0	118%	67 - 143	6091267	NPH3818-01	09/07/06 23:16
Methyl tert-Butyl Ether	6.36	62.7		ug/L	50.0	113%	55 - 152	6091267	NPH3818-01	09/07/06 23:16
Tertiary Butyl Alcohol	444	1140		ug/L	500	139%	19 - 183	6091267	NPH3818-01	09/07/06 23:16
Surrogate: 1,2-Dichloroethane-d4		51.8		ug/L	50.0	104%	70 - 130	6091267	NPH3818-01	09/07/06 23:16
Surrogate: Dibromofluoromethane		52.0		ug/L	50.0	104%	79 - 122	6091267	NPH3818-01	09/07/06 23:16
Surrogate: Toluene-d8		51.0		ug/L	50.0	102%	78 - 121	6091267	NPH3818-01	09/07/06 23:16
Surrogate: 4-Bromofluorobenzene		50.1		ug/L	50.0	100%	78 - 126	6091267	NPH3818-01	09/07/06 23:16
Purgeable Petroleum Hydrocarbons										
6090879-MS1										
Gasoline Range Organics	ND	2560		ug/L	3050	84%	60 - 140	6090879	NPH3547-02	09/06/06 09:44
Surrogate: 1,2-Dichloroethane-d4		49.2		ug/L	50.0	98%	0 - 200	6090879	NPH3547-02	09/06/06 09:44
Surrogate: Dibromofluoromethane		52.2		ug/L	50.0	104%	0 - 200	6090879	NPH3547-02	09/06/06 09:44
Surrogate: Toluene-d8		43.5		ug/L	50.0	87%	0 - 200	6090879	NPH3547-02	09/06/06 09:44
Surrogate: 4-Bromofluorobenzene		48.8		ug/L	50.0	98%	0 - 200	6090879	NPH3547-02	09/06/06 09:44

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ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Delta Env. Consultants (San Jose) / SHELL (13653)	Work Order:	NPH3646
	175 Bernal Rd., Suite 200	Project Name:	8999 San Ramon Rd, Dublin, CA
	San Jose, CA 95119	Project Number:	SAP 135244
Attn	Heather Buckingham	Received:	08/26/06 08:00

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
6090879-MSD1												
Tert-Amyl Methyl Ether	ND	70.5		ug/L	50.0	141%	45 - 155	10	24	6090879	NPH3547-02	09/06/06 10:08
Benzene	ND	73.8	M7	ug/L	50.0	148%	71 - 137	6	23	6090879	NPH3547-02	09/06/06 10:08
Ethyl tert-Butyl Ether	ND	71.0		ug/L	50.0	142%	57 - 148	11	22	6090879	NPH3547-02	09/06/06 10:08
Diisopropyl Ether	ND	69.3		ug/L	50.0	139%	67 - 143	9	22	6090879	NPH3547-02	09/06/06 10:08
Ethylbenzene	ND	59.9		ug/L	50.0	120%	72 - 139	5	23	6090879	NPH3547-02	09/06/06 10:08
Methyl tert-Butyl Ether	0.670	66.7		ug/L	50.0	132%	55 - 152	6	27	6090879	NPH3547-02	09/06/06 10:08
Toluene	ND	54.7		ug/L	50.0	109%	73 - 133	3	25	6090879	NPH3547-02	09/06/06 10:08
Tertiary Butyl Alcohol	1060	1.00E9	M7	ug/L	500	0000000	19 - 183	0	39	6090879	NPH3547-02	09/06/06 10:08
Xylenes, total	ND	185		ug/L	150	123%	70 - 143	3	27	6090879	NPH3547-02	09/06/06 10:08
Surrogate: 1,2-Dichloroethane-d4		49.2		ug/L	50.0	98%	70 - 130			6090879	NPH3547-02	09/06/06 10:08
Surrogate: 1,2-Dichloroethane-d4		49.2		ug/L	50.0	98%	70 - 130			6090879	NPH3547-02	09/06/06 10:08
Surrogate: Dibromofluoromethane		52.0		ug/L	50.0	104%	79 - 122			6090879	NPH3547-02	09/06/06 10:08
Surrogate: Dibromofluoromethane		52.0		ug/L	50.0	104%	79 - 122			6090879	NPH3547-02	09/06/06 10:08
Surrogate: Toluene-d8		41.8		ug/L	50.0	84%	78 - 121			6090879	NPH3547-02	09/06/06 10:08
Surrogate: Toluene-d8		41.8		ug/L	50.0	84%	78 - 121			6090879	NPH3547-02	09/06/06 10:08
Surrogate: 4-Bromofluorobenzene		49.8		ug/L	50.0	100%	78 - 126			6090879	NPH3547-02	09/06/06 10:08
Surrogate: 4-Bromofluorobenzene		49.8		ug/L	50.0	100%	78 - 126			6090879	NPH3547-02	09/06/06 10:08
6091267-MSD1												
Tert-Amyl Methyl Ether	ND	55.7		ug/L	50.0	111%	45 - 155	1	24	6091267	NPH3818-01	09/07/06 23:40
Ethyl tert-Butyl Ether	ND	56.6		ug/L	50.0	113%	57 - 148	2	22	6091267	NPH3818-01	09/07/06 23:40
Diisopropyl Ether	ND	57.9		ug/L	50.0	116%	67 - 143	2	22	6091267	NPH3818-01	09/07/06 23:40
Methyl tert-Butyl Ether	6.36	61.5		ug/L	50.0	110%	55 - 152	2	27	6091267	NPH3818-01	09/07/06 23:40
Tertiary Butyl Alcohol	444	1130		ug/L	500	137%	19 - 183	0.9	39	6091267	NPH3818-01	09/07/06 23:40
Surrogate: 1,2-Dichloroethane-d4		51.4		ug/L	50.0	103%	70 - 130			6091267	NPH3818-01	09/07/06 23:40
Surrogate: Dibromofluoromethane		51.9		ug/L	50.0	104%	79 - 122			6091267	NPH3818-01	09/07/06 23:40
Surrogate: Toluene-d8		50.9		ug/L	50.0	102%	78 - 121			6091267	NPH3818-01	09/07/06 23:40
Surrogate: 4-Bromofluorobenzene		50.2		ug/L	50.0	100%	78 - 126			6091267	NPH3818-01	09/07/06 23:40
Purgeable Petroleum Hydrocarbons												
6090879-MSD1												
Gasoline Range Organics	ND	2860		ug/L	3050	94%	60 - 140	11	40	6090879	NPH3547-02	09/06/06 10:08
Surrogate: 1,2-Dichloroethane-d4		49.2		ug/L	50.0	98%	0 - 200			6090879	NPH3547-02	09/06/06 10:08
Surrogate: Dibromofluoromethane		52.0		ug/L	50.0	104%	0 - 200			6090879	NPH3547-02	09/06/06 10:08
Surrogate: Toluene-d8		41.8		ug/L	50.0	84%	0 - 200			6090879	NPH3547-02	09/06/06 10:08
Surrogate: 4-Bromofluorobenzene		49.8		ug/L	50.0	100%	0 - 200			6090879	NPH3547-02	09/06/06 10:08

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Delta Env. Consultants (San Jose) / SHELL (13653)	Work Order:	NPH3646
	175 Bernal Rd., Suite 200	Project Name:	8999 San Ramon Rd, Dublin, CA
	San Jose, CA 95119	Project Number:	SAP 135244
Attn	Heather Buckingham	Received:	08/26/06 08:00

CERTIFICATION SUMMARY

TestAmerica - Nashville, TN

Method	Matrix	AIHA	Nelac	California
CA LUFT GC/MS	Water			X
NA	Water			
SW846 8015B	Water			
SW846 8260B	Water	N/A	X	X

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Delta Env. Consultants (San Jose) / SHELL (13653)	Work Order:	NPH3646
	175 Bernal Rd., Suite 200	Project Name:	8999 San Ramon Rd, Dublin, CA
	San Jose, CA 95119	Project Number:	SAP 135244
Attn	Heather Buckingham	Received:	08/26/06 08:00

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method	Matrix	Analyte
CA LUFT GC/MS	Water	Gasoline Range Organics
SW846 8015B	Water	Diesel

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Delta Env. Consultants (San Jose) / SHELL (13653)	Work Order:	NPH3646
	175 Bernal Rd., Suite 200	Project Name:	8999 San Ramon Rd, Dublin, CA
	San Jose, CA 95119	Project Number:	SAP 135244
Attn	Heather Buckingham	Received:	08/26/06 08:00

DATA QUALIFIERS AND DEFINITIONS

CF6	Results confirmed by reanalysis.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
S10	Insufficient sample available for reanalysis.
Z6	Surrogate recovery was below acceptance limits.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

METHOD MODIFICATION NOTES

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM

BC#

NPH3646

Cooler Received/Opened On 8/26/06 8:00

1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below: 7489

(Fed-Ex) UPS Velocity DHL Route Off-street Misc.

2. Temperature of representative sample or temperature blank when opened: 5.2 **Degrees Celsius**
(indicate IR Gun ID#)

NA A00466 A00750 A01124 100190 101282 (102594)

3. Were custody seals on outside of cooler?..... (YES)...NO...NA

a. If yes, how many and where: 2 Front

4. Were the seals intact, signed, and dated correctly?..... (YES)...NO...NA

5. Were custody papers inside cooler?..... (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-5 (intial)..... JR

6. Were custody seals on containers: YES (NO) and Intact YES NO (NA)

were these signed, and dated correctly?..... YES...NO...(NA)

7. What kind of packing material used? (Bubblewrap) Peanuts Vermiculite Foam Insert

Plastic bag Paper Other_____ None

8. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

9. Did all containers arrive in good condition (unbroken)?..... (YES)...NO...NA

10. Were all container labels complete (#, date, signed, pres., etc)?..... (YES)...NO...NA

11. Did all container labels and tags agree with custody papers?..... (YES)...NO...NA

12. a. Were VOA vials received?..... (YES)...NO...NA

b. Was there any observable head space present in any VOA vial?..... YES...(NO)...NA

I certify that I unloaded the cooler and answered questions 6-12 (intial)..... AC

13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES...NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used..... (YES)...NO...NA

If preservation in-house was needed, record standard ID of preservative used here_____

14. Was residual chlorine present?..... YES...NO...(NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (intial)..... AC

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

16. Did you sign the custody papers in the appropriate place?..... (YES)...NO...NA

17. Were correct containers used for the analysis requested?..... (YES)...NO...NA

18. Was sufficient amount of sample sent in each container?..... (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 15-18 (intial)..... AC

I certify that I attached a label with the unique LIMS number to each container (intial)..... AC

19. Were there Non-Conformance issues at login YES (NO) Was a PIPE generated YES (NO) #_____

BIS = Broken in shipment

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM **BC#**

Cooler Received/Opened On 08/26/2006 @ 0800

1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below: 9712

Fed-Ex UPS Velocity DHL Route Off-street Misc.

2. Temperature of representative sample or temperature blank when opened: 1.5 Degrees Celsius
(indicate IR Gun ID#)

NA A00466 A00750 A01124 100190 101282 Raynger ST

3. Were custody seals on outside of cooler?..... (YES)...NO...NA

a. If yes, how many and where: 2 front

seals not appear retaped

4. Were the seals intact, signed, and dated correctly?..... (YES)..NO...NA

5. Were custody papers inside cooler?..... (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-5 (intial)..... IRM

6. Were custody seals on containers: YES NO and Intact YES NO NA

were these signed, and dated correctly?..... YES...NO...NA

7. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert

Plastic bag Paper Other_____ None

8. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

9. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA

10. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA

11. Did all container labels and tags agree with custody papers?..... YES...NO...NA

12. a. Were VOA vials received?..... YES...NO...NA

b. Was there any observable head space present in any VOA vial?..... YES...NO...NA

See 7489

I certify that I unloaded the cooler and answered questions 6-12 (intial)..... _____

13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used..... YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here_____

14. Was residual chlorine present?..... YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (intial)..... _____

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

16. Did you sign the custody papers in the appropriate place?..... YES....NO...NA

17. Were correct containers used for the analysis requested?..... YES...NO...NA

18. Was sufficient amount of sample sent in each container?..... YES...NO...NA

I certify that I entered this project into LIMS and answered questions 15-18 (intial)..... _____

I certify that I attached a label with the unique LIMS number to each container (intial)..... _____

19. Were there Non-Conformance issues at login YES NO Was a PIPE generated YES NO #_____

BIS = Broken in shipment

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM BC#

Cooler Received/Opened On: August 26, 2006 @ 08:00

1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below: 8625

(Fed-Ex) UPS Velocity DHL Route Off-street Misc.

2. Temperature of representative sample or temperature blank when opened: -0.9 **Degrees Celsius**
(indicate IR Gun ID#)

NA A00466 A00750 (A01124) 100190 101282 Raynger ST

3. Were custody seals on outside of cooler?..... (YES)...NO...NA

a. If yes, how many and where: 1 - FRONT

4. Were the seals intact, signed, and dated correctly?..... (YES)...NO...NA

5. Were custody papers inside cooler?..... (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-5 (intial)..... JW

6. Were custody seals on containers: YES NO and Intact YES NO NA

were these signed, and dated correctly?..... YES...NO...NA

7. What kind of packing material used? Bubblewrap Peanuts Vermiculite Foam Insert

Plastic bag Paper Other_____ None

8. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

9. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA

10. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA

11. Did all container labels and tags agree with custody papers?..... YES...NO...NA

12. a. Were VOA vials received?..... YES...NO...NA

b. Was there any observable head space present in any VOA vial?..... YES...NO...NA

I certify that I unloaded the cooler and answered questions 6-12 (intial)..... SEC 7/29

13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used..... YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here_____

14. Was residual chlorine present?..... YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (intial)..... _____

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

16. Did you sign the custody papers in the appropriate place?..... YES...NO...NA

17. Were correct containers used for the analysis requested?..... YES...NO...NA

18. Was sufficient amount of sample sent in each container?..... YES...NO...NA

I certify that I entered this project into LIMS and answered questions 15-18 (intial)..... _____

I certify that I attached a label with the unique LIMS number to each container (intial)..... _____

19. Were there Non-Conformance issues at login YES NO Was a PIPE generated YES NO #_____

BIS = Broken in shipment

SHELL Chain Of Custody Record

LAB:
- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Sacramento, California
- ☒ TA - Nashville, Tennessee
- ☐ Calscience
- ☐ Other________

NAME OF PERSON TO BILL: Denis Brown

☑ ENVIRONMENTAL SERVICES ☐ NETWORK DEV / FE ☐ BILL CONSULTANT ☐ COMPLIANCE ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 7 5 6 5 9 9 5

PO #

SAP or CRMT #

DATE: 8/24/06

PAGE: 1 of 1

SAMPLING COMPANY: Blaine Tech Services	LOG CODE: BTSS	SITE ADDRESS: Street and City: 8999 San Ramon Road, Dublin	State: CA
GLOBAL ID NO.: T0600159797			
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112		EDF DELIVERABLE TO (Name, Company, Office Location): Lena Martinez, Delta, San Jose	PHONE NO.: (408) 826-1861
E-MAIL: lmartinez@deltaenv.com	CONSULTANT PROJECT NO.: BTS# 060824-DR1		
PROJECT CONTACT (Hardcopy or PDF Report to): Michael Ninokata		SAMPLER NAME(S) (Print): D. Raymond	LAB USE ONLY
TELEPHONE: 408-573-0555	FAX: 408-573-7771	E-MAIL: mninokata@blainetech.com	

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): ☒ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: ________

SPECIAL INSTRUCTIONS OR NOTES:
- ☐ EDD NOT NEEDED
- ☐ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMB RATE APPLIES
- ☑ RECEIPT VERIFICATION REQUESTED

Run TPHd with Silica Gel Clean up

CC Lee Dooley ldooley@deltaenv.com and Heather Buckingham hbuckingham@deltaenv.com when sending final report.

REQUESTED ANALYSIS

NPH3646 09/12/06 23:59

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes

5.2°C ✓

TEMPERATURE ON RECEIPT C°

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Gas, Purgeable (8260B)	TPH - Diesel, Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)					Field Notes
	MW-1	8/24/06	1355	W	5	X	X	X	X														NPH3646-01
	MW-2	↓	1005	W	5	X	X	X	X														02
	MW-3		901	W	5	X	X	X	X														03
	MW-4		1330	W	5	X	X	X	X														04
	MW-5		1202	W	5	X	X	X	X														05
	MW-6		1340	W	5	X	X	X	X														06
	MW-7		1420	W	5	X	X	X	X														07
	MW-8		1130	W	5	X	X	X	X														08
	MW-9		1040	W	4	X	X	X	X														09
	MW-10	↓	1227	W	5	X	X	X	X														10

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[signature]	[signature] (Sample Custodian)	8/24/06	1538
[signature] (Sample Custodian)	[signature]	8/24/06	1720
[signature]	[signature]	8/24/06	1825

TN Via NTL. (MH) 8/25/06 1400 [signature] 8/26/06 830

05/02/06 Revision

Q&Q Graphic (714) 898-9702

SEQUOIA ANALYTICAL SAMPLE RECEIPT LOG

CLIENT NAME: SJV21
REC. BY (PRINT): CT
WORKORDER:

DATE REC'D AT LAB: 8/24/06
TIME REC'D AT LAB: 1815
DATE LOGGED IN:

For Regulatory Purposes?
DRINKING WATER YES / NO
WASTE WATER YES / NO

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	DASH #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / Absent Intact / Broken*			MW-1	3 VOAs 2 AMBER	HCl	—	W	8/21	
2. Chain-of-Custody Present / Absent*			-2						
3. Traffic Reports or Packing List: Present / Absent			-3						
4. Airbill: Airbill / Sticker Present / Absent			-4						
5. Airbill #:			-5						
6. Sample Labels: Present / Absent			-6						
7. Sample IDs: Listed / Not Listed on Chain-of-Custody			-7						
8. Sample Condition: Intact / Broken* / Leaking*			-8						
			-9	3 VOAs 1 AMBER					
			-10						
9. Does information on chain-of-custody, traffic reports and sample labels agree? Yes / No*									
10. Sample received within hold time? Yes / No*									
11. Adequate sample volume received? Yes / No*									
12. Proper preservatives used? Yes / No*									
13. Trip Blank / Temp Blank Received? (circle which, if yes) Yes / No*									
14. Read Temp: 3.1 °C Corrected Temp: Is corrected temp 4 +/-2°C? Yes / No**									
(Acceptance range for samples requiring thermal pres.)									
**Exception (if any): METALS / DFF ON ICE or Problem COC									

8/24/06

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

SRL Revision 7
Replaces Rev 5 (07/13/04)

WELLHEAD INSPECTION CHECKLIST

Client 97565995 Date 8/24/06

Site Address 8999 San Ramon Rd. Dublin CA

Job Number 060824-DR1 Technician DR

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-1	X									
MW-2	X									
MW-3	X									
MW-4	X									
MW-5				X			X			
MW-6	X									
MW-7	X									
MW-8	X									
MW-9	X									
MW-10	X									
MW-11	X									

NOTES:

WELLHEAD INSPECTION CHECKLIST

Client Shell Date 8/21/06

Site Address 8999 San Ramon Rd. Dublin CA

Job Number 060821-DR1 Technician DA

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-5	X			X						
MW-7	X						X			
MW-8	X									
MW-9	X						X			
MW-10	X									
MW-11	X						X			

NOTES: MW-11 Well is dry

WELL GAUGING DATA

Project # 060824-DR1 Date 8/24/06 Client 9756 5995

Site 8999 San Ramon Rd. Dublin CA.

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	825	4					23.94	26.79		
MW-2	820	4					24.60	26.88		
MW-3	806	4					21.84	24.43		
MW-4	811	4					22.50	26.60		
MW-5	755	4					25.70	28.56		
MW-6	816	4					23.69	28.71		
MW-7	745	4					26.21	28.55		
MW-8	749	4					23.17	28.85		
MW-9	740	4					28.35	28.93		
MW-10	800	4					24.02	28.75		
MW-11	732	2					Dry	28.51		

SHELL WELL MONITORING DATA SHEET

BTS #: 060824-DR1	Site: 9756 5995
Sampler: DR	Date: 8/24/06
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth (TD): 26.79	Depth to Water (DTW): 23.94
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.51	

Purge Method: X Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other:

1.9 (Gals.) X	3	= 5.7 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1014	70.2	6.6	1072	220	1.9	cloudy
1017	69.7	6.6	1083	272	3.8	"
1020	69.8	6.6	1077	299	5.7	"
						DTW = 25.97

Did well dewater? Yes (No) Gallons actually evacuated: 5.7

Sampling Date: 8/24/06 Sampling Time: 1355 Depth to Water: 24.90

Sample I.D.: MW-1 Laboratory: STL Other (TA)

Analyzed for: ~~TPH-G~~ ~~BTEX~~ MTBE (TPH-D) Other: Oxys (5) by 8260

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 060824-DR1	Site: 9756 5995
Sampler: DR	Date: 8/24/06
Well I.D.: MW-2	Well Diameter: 2 3 4 6 8 ____
Total Well Depth (TD): 26.88	Depth to Water (DTW): 24.60
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 25.06	

Purge Method: X Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other:

1.5 (Gals.) X 3 = 4.5 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
948	68.7	6.6	991	430	1.5	cloudy
951	69.1	6.6	996	361	3.0	"
954	68.9	6.6	1000	301	4.5	"

Did well dewater? Yes (No) Gallons actually evacuated: 4.5

Sampling Date: 8/24/06 Sampling Time: 1005 Depth to Water: 25.00

Sample I.D.: MW-2 Laboratory: STL Other (TA)

Analyzed for: ~~TPH-G~~ ~~BTEX~~ MTBE (TPH-D) Other: Oxys (5) by 8260

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 060824-DR1	Site: 9756 5995
Sampler: DR	Date: 8/24/06
Well I.D.: MW-3	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 24.43	Depth to Water (DTW): 21.84
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 22.36	

Purge Method: X Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other:

1.7 (Gals.) X	3	= 5.1 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
838	68.0	6.5	1043	93	1.7	clear
845	68.4	6.5	976	87	3.4	"
849	68.6	6.5	958	74	5.1	"

Did well dewater? Yes (No) Gallons actually evacuated: 5.1

Sampling Date: 8/24/06 Sampling Time: 901 Depth to Water: 22.28

Sample I.D.: MW-3 Laboratory: STL Other (TA)

Analyzed for: ~~TPH-G~~ ~~BTEX~~ MTBE (TPH-D) Other: Oxys (5) by 8260

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

SHELL WELL MONITORING DATA SHEET

BTS #: 060824-DR1	Site: 9756 5995
Sampler: DR	Date: 8/24/06
Well I.D.: MW-4	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 26.60	Depth to Water (DTW): 22.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 23.32	

Purge Method: X Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other:

2.7 (Gals.) X	3	= 8.1 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
913	69.1	6.7	945	325	2.7	cloudy / slight odor
917	68.6	6.7	932	>1000	5.4	" "
921	68.9	6.6	917	>1000	8.1	" "
						DTW = 25.08

Did well dewater? Yes (No) Gallons actually evacuated: 8.1

Sampling Date: 8/24/06 Sampling Time: 1330 Depth to Water: 22.54

Sample I.D.: MW-4 Laboratory: STL Other (TA)

Analyzed for: ~~TPH-G~~ ~~BTEX~~ MTBE (TPH-D) Other: Oxys (5) by 8260

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 060824-DR1	Site: 9756 5995
Sampler: DR	Date: 8/24/06
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 28.56	Depth to Water (DTW): 25.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.27	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other:

1.9 (Gals.) X	3	= 5.7 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
1153	73.4	6.7	1023	>1000	1.9	cloudy
1153	75.1	6.7	1032	71000	3.9	"
1154	~~75~~ 75.8	6.7	1026	71000	5.7	"

Did well dewater? Yes (No) Gallons actually evacuated: 5.7

Sampling Date: 8/24/06 Sampling Time: 1202 Depth to Water: 26.20

Sample I.D.: MW-5 Laboratory: STL Other (TA)

Analyzed for: ~~TPH-G~~ ~~BTEX~~ MTBE (TPH-D) Other: Oxys (5) by 8260

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 060824-DR1	Site: 9756 5995
Sampler: DR	Date: 8/24/06
Well I.D.: MW-6	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 28.71	Depth to Water (DTW): 23.69
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.69	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (X) Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other____

Sampling Method: (X) Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

3.2 (Gals.) X	3	= 9.6 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
931	70.4	6.6	898	812	3.2	cloudy
932	70.6	6.6	897	>1000	6.4	"
933	70.3	6.6	906	>1000	9.6	"
						DTW=26.01

Did well dewater? Yes (No) Gallons actually evacuated: 9.6

Sampling Date: 8/24/06 Sampling Time: 1340 Depth to Water: 23.74

Sample I.D.: MW-6 Laboratory: STL Other (TA)

Analyzed for: ~~TPH-G~~ ~~BTEX~~ MTBE (TPH-D) Other: Oxys (5) by 8260

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:		mV

SHELL WELL MONITORING DATA SHEET

BTS #: 060824-DR1	Site: 97565995
Sampler: DR	Date: 8/24/06
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 28.55	Depth to Water (DTW): 26.21
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 26.68	

Purge Method: X Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other:

1 Case Volume		Specified Volumes		Calculated Volume
1.5	(Gals.) X	3	=	4.5 Gals.

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
@ Tank pre purge	sample	at	1102.	Disregard	Pre Purge	sample.
1103	70.1	7.0	1945	>1000	1.5	cloudy/silty
1106	70.1	7.0	1938	>1000	3.0	" "
1109	69.8	7.0	1973	>1000	4.5	" "
						DTW=27.87

Did well dewater? Yes (No) Gallons actually evacuated: 4.5

Sampling Date: 8/24/06 Sampling Time: Pre Purge 1102 Post Purge 1420 Depth to Water: 27.60

Sample I.D.: MW-7 Laboratory: STL Other (TA)

Analyzed for: ~~TPH-G~~ ~~BTEX~~ MTBE (TPH-D) Other: Oxys (5) by 8260

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

SHELL WELL MONITORING DATA SHEET

BTS #: 060824-DR1	Site: 9756 5995
Sampler: DR	Date: 8/24/06
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 28.85	Depth to Water (DTW): 23.17
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.31	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; X Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other:

3.7 (Gals.) X	3	= 11.1 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1119	74.3	6.7	1039	160	3.7	DR ~~cloudy~~
1120	73.2	6.7	1045	> 1000	7.4	cloudy
@ well dewatered @			7.5 gal.			DTW = 23.47
Fast recharge rate - Took 10 min. to come up to 80%						
1130	73.7	6.8	987	> 1000	—	cloudy

Did well dewater? (Yes) No Gallons actually evacuated: 7.5

Sampling Date: 8/24/06 Sampling Time: 1130 Depth to Water: 24.30

Sample I.D.: MW-8 Laboratory: STL Other (TA)

Analyzed for: ~~TPH-G~~ ~~BTEX~~ MTBE (TPH-D) Other: Oxys (5) by 8260

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 060824-DR1	Site: 97565995
Sampler: DR	Date: 8/24/06
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 28.93	Depth to Water (DTW): 28.75
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: X Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other_____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other:

1 Case Volume	Specified Volumes	Calculated Volume
0.4 (Gals.) X	3	= 1.2 Gals.

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (uS))	Turbidity (NTUs)	Gals. Removed	Observations
Pre Purge 1040	72.9	7.1	2095	>1000	0.25 gal.	cloudy
Grab @ well dewatered while grabbing pre purge sample. DTW=28.82						
	Did not get full bailer st. 1L short.					
@ Came back to well 3 1/2 hrs. later and depth was @ 28.75						
Not enough water for purge sample.						

Did well dewater? (Yes) No Gallons actually evacuated: 0.25 gal.

Sampling Date: 8/24/06 Sampling Time: Pre Purge 1040 Depth to Water:

Sample I.D.: MW-9 Laboratory: STL Other (TA)

Analyzed for: ~~TPH-G~~ ~~BTEX~~ MTBE (TPH-D) Other: Oxys (5) by 8260

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SHELL WELL MONITORING DATA SHEET

BTS #: 060824-DR1	Site: 9756 5995
Sampler: DR	Date: 8/24/06
Well I.D.: MW-10	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth (TD): 28.75	Depth to Water (DTW): 24.02
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.97	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; (X) Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other____

Sampling Method: (X) Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

3.1 (Gals.) X	3 =	9.3 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius^2 * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1216	76.4	6.9	1108	919	3.1	cloudy / odor
1217	76.4	6.7	1081	>1000	6.2	"
1218	75.9	6.7	1076	>1000	9.3	"
* well dry down. Fast recharge.						DTW=27.62

Did well dewater? Yes (No) Gallons actually evacuated: 9.3

Sampling Date: 8/24/06 Sampling Time: 1227 Depth to Water: 24.83

Sample I.D.: MW-10 Laboratory: STL Other (TA)

Analyzed for: ~~TPH-G~~ ~~BTEX~~ MTBE (TPH-D) Other: Oxys (5) by 8260

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L	
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV	

SHELL WELL MONITORING DATA SHEET

BTS #: 060824-DR1	Site: 9756 5995
Sampler: DR	Date: 8/24/06
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth (TD): 28.51	Depth to Water (DTW): DRY
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method: Bailer; Disposable Bailer; Positive Air Displacement; Electric Submersible; Waterra; Peristaltic; Extraction Pump; Other ____

Sampling Method: X Bailer; Disposable Bailer; Extraction Port; Dedicated Tubing; Other: ____

____ (Gals.) X 3 = ____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
* well is dry.			Insufficient water to		gauge or	purge.

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: 8/24/06 Sampling Time: Depth to Water:

Sample I.D.: MW-11 Laboratory: STL Other (TA)

Analyzed for: ~~TPH-G~~ ~~BTEX~~ MTBE (TPH-D) Other: Oxys (5) by 8260

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:		mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:		mV	Post-purge:	mV

WELL GAUGING DATA

Project # 060821-DR1 Date 8/21/06 Client Shell

Site 8999 San Ramon Rd. Dublin Ca.

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-5	801	4					25.25	28.55		
MW-7	754	4					25.84	28.61		
MW-8	832	4					23.02	28.85		
MW-9	839	4					27.75	28.90		
MW-10	808	4					23.90	28.86		
MW-11	815	2					Dry	28.50	↓	

WELL DEVELOPMENT DATA SHEET

Project #: 060821-DR1	Client: Shell 97565995
Developer: DR	Date Developed: 8/21/06
Well I.D. MW-5	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 28.55 After 28.70	Depth to Water: Before 25.25 After 27.49
Reason not developed:	If Free Product, thickness:
Additional Notations: Hard bottom at 1st Pounding	

Volume Conversion Factor (VCF):	Well dia.		VCF
$\{12 \times (d^2/4) \times \pi\} /231$	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
$\pi = 3.1416$	10"	=	4.08
231 = in 3/gal	12"	=	6.87

2.1	X	10	=	21.0
1 Case Volume		Specified Volumes		gallons

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

Type of Installed Pump _____
Other equipment used Twine

TIME	TEMP (F)	pH	Cond. (mS or (uS))	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:	DTW
939	64.2	7.3	2145	>1000	2.1	Brown cloudy / Phone call from Mike N.	26.20
951	65.2	7.1	2197	>1000	4.2	"	26.46
956	65.7	7.1	2165	>1000	6.3	"	27.28
Well dewatered at 6.5 gal.							
1303	68.7	7.0	1862	>1000	8.4	"	26.08
1308	68.8	7.0	1795	>1000	10.5	"	26.32
1313	69.7	7.0	1743	>1000	12.6	"	27.5
1318	69.3	6.9	1727	>1000	14.7	"	27.8
Well dewatered at 15.0 gal.						"	
1420	69.1	6.9	1680	>1000	16.8	"	26.31
1426	69.0	6.9	1673	>1000	18.9	"	27.02
1433	69.0	6.8	1668	>1000	21.0	"	27.40

Did Well Dewater? Yes	If yes, note above.	Gallons Actually Evacuated:	21.0

WELL DEVELOPMENT DATA SHEET

Project #: 060821-DR1	Client: Shell 97565995
Developer: DR	Date Developed: 8/21/06
Well I.D. MW-7	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 28.64 After 28.64	Depth to Water: Before 25.84 After 28.33
Reason not developed:	If Free Product, thickness:
Additional Notations: Hard bottom at 1st Teramator	

Volume Conversion Factor (VCF):	Well dia.		VCF
{12 x (d^2/4) x π} /231	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

1.82	X	10	=	18.2
1 Case Volume		Specified Volumes		gallons

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

Type of Installed Pump: Middleburg → Switched to hand bail
Other equipment used: Timer

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:	BTW
904	64.5	6.9	2202	>1000	1.8	Brown cloudy	26.63
909	64.2	7.6	1833	>1000	3.6	" / adjusted pump speed	26.98
914	63.2	7.8	1795	>1000	5.4	"	27.10
@ Well	dewatered	at 5.5	gal.				
1405	69.7	7.7	1618	>1000	6.2	"	29.33
@ Well	dewatered	at	6.2 gal.				
@ Stopped	development	due to	very slow	recharge	and lack of	water	
per	client	request.					

Did Well Dewater? Yes | If yes, note above. | Gallons Actually Evacuated: 6.2

26.98 @ 1255

WELL DEVELOPMENT DATA SHEET

Project #: 060821-DR1	Client: Shell 97565995
Developer: DR	Date Developed: 8/21/06
Well I.D. MW-8	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 28.85 After 28.91	Depth to Water: Before 23.02 After 26.31
Reason not developed:	If Free Product, thickness:
Additional Notations: Hard bottom from 1st Perameter	

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

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

3.8	X	10	=	38.0
1 Case Volume		Specified Volumes		gallons

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

Type of Installed Pump: Middleburg
Other equipment used:

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:	DTW
1127	68.5	7.1	1045	>1000	3.8	Brown / Adjusted Pump Speed	24.70
1131	68.3	6.9	1059	>1000	7.6	"	25.30
1135	68.6	6.8	1064	>1000	11.4	light cloudy	25.60
1140	68.7	6.8	1069	>1000	15.2	"	25.74
1144	68.8	6.8	1052	>1000	19.0	"	25.97
1148	68.9	6.8	1047	515	22.8	Hazy	26.03
1152	68.5	7.0	1035	263	26.6	/ Adjusted Pump Speed	26.15
1157	68.4	7.0	1036	>1000	30.4	cloudy	26.22
1202	68.5	6.9	1027	312	34.2	light cloudy	26.28
1207	68.4	7.0	1028	435	38.0	"	26.31

Did Well Dewater? No | If yes, note above. | Gallons Actually Evacuated: 38.0

WELL DEVELOPMENT DATA SHEET

Project #: 060821-DR1	Client: Shell 97565995
Developer: DR	Date Developed: 8/21/06
Well I.D. MW-9	Well Diameter: (circle one) 2 3 (4) 6
Total Well Depth: Before 28.90 After 28.91	Depth to Water: Before 27.75 After 28.78
Reason not developed:	If Free Product, thickness:
Additional Notations: Hard bottom from 1st perimeter	

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

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

0.7	X	10	=	7.0
1 Case Volume		Specified Volumes		gallons

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

Type of Installed Pump _____
Other equipment used Twine

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:	DTW
1233	68.8	7.4	2998	>1000	0.7	cloudy	28.00
1237	69.6	7.3	3001	>1000	1.4	"	28.15
1245	70.2	7.2	3121	>1000	2.1	"	28.22
@ well	dewatered	at 2.5 gal					
1355	70.4	7.3	3087	>1000	2.8	"	28.11
@ well	dewatered	at 3.0 gal.					28.70
1530	70.5	7.2	3002	>1000	3.7		28.78
* Stopped development due to very slow recharge and lack of water per client request							
Did Well Dewater? Yes	If yes, note above.			Gallons Actually Evacuated:		3.7	

WELL DEVELOPMENT DATA SHEET

Project #: 060821-DR1	Client: Shell 97565995
Developer: DR	Date Developed: 8/21/06
Well I.D. MW-10	Well Diameter: (circle one) 2 3 (4) 6 ___
Total Well Depth: Before 28.86 After 28.94	Depth to Water: Before 23.90 After 26.01
Reason not developed:	If Free Product, thickness:
Additional Notations:	

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

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

3.2	X	10	=	32.0
1 Case Volume		Specified Volumes	=	gallons

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

Type of Installed Pump: Middleburg
Other equipment used: ___

TIME	TEMP (F)	pH	Cond. (mS or (µS))	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:	DTW
1026	65.5	6.9	1383	>1000	3.2	Gray cloudy	25.11
1030	66.5	7.4	1186	>1000	6.4	" / Adjusted Pump Speed	25.39
1035	67.6	7.3	1090	>1000	9.6	"	25.64
1040	67.3	7.3	1062	>1000	12.8	"	25.85
* 1045	67.3	7.3	1058	>1000	16.0	" / Adjusted Pump Speed	25.96
1050	67.9	7.3	1053	>1000	19.2	"	26.06
1055	67.8	7.2	1048	>1000	22.4	" / Adjusted Pump Speed	25.99
1101	68.1	7.3	1031	>1000	25.6	" / odor	25.96
1106	68.2	7.4	1022	>1000	28.8	light gray / odor	25.98
1111	68.1	7.3	1016	>1000	32.0	light gray / odor	26.01
* Achieved	hard bottom	on	the 5th parameter				
Did Well Dewater? No	If yes, note above.			Gallons Actually Evacuated:	32.0		

WELL DEVELOPMENT DATA SHEET

Project #: 060821-DR1	Client: Shell 97565995
Developer: DR	Date Developed: 8/21/06
Well I.D. MW-11	Well Diameter: (circle one) ② 3 4 6 ___
Total Well Depth: Before 28.50 After ___	Depth to Water: Before Dry After ___
Reason not developed: well is dry	If Free Product, thickness:
Additional Notations:	

Volume Conversion Factor (VCF):	Well dia.		VCF
$\{12 \times (d^2/4) \times \pi\} /231$	2"	=	0.16
where	3"	=	0.37
12 = in / foot	4"	=	0.65
d = diameter (in.)	6"	=	1.47
π = 3.1416	10"	=	4.08
231 = in 3/gal	12"	=	6.87

1 Case Volume	X	Specified Volumes	=	gallons
___		___		___

Purging Device: ~~Bailer~~ ☐ Electric Submersible

☐ Suction Pump ☐ Positive Air Displacement

Type of ~~Installed~~ Pump _____

~~Other~~ equipment used _____

TIME	TEMP (F)	pH	Cond. (mS or µS)	TURBIDITY (NTUs)	VOLUME REMOVED:	NOTATIONS:
* well is	dry.	No water	to develop well.			

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