

February 28, 2012

Mr. Paul Cho, PG, Site Cleanup Unit IV
California Environmental Protection Agency
California Regional Water Quality Control Board, Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, California 90013

**Re: 2012 First Quarter Sentry Groundwater Monitoring Results
DFSP Norwalk Facility, Norwalk**
NPDES No. CAC834001
File No. 90-02

Dear Mr. Cho:

Parsons is transmitting the groundwater monitoring results for the 2012 first quarter sentry event at the Defense Fuel Support Point (DFSP) Norwalk Facility in Norwalk, California. A summary of the results is presented here and the details, including field and laboratory reports, will be included in the first 2012 semiannual report that will be prepared by CH2MHill reporting the data from the entire site, including KMEPs and DLAs. The site location map is shown on Figure 1 and Figure 2 presents the well network.

Groundwater gauging, monitoring, sample collection and laboratory analyses were performed in accordance with the sampling plan. Field activities included measuring water levels and light non-aqueous phase liquid (LNAPL) thicknesses, low-flow micro purge, and sampling of the designated wells. Eighty seven (87) wells have been gauged for groundwater levels and free product. Groundwater elevations and LNAPL thickness are presented in Table 1.

Product sheen was observed in one well (GMW-47) during this groundwater gauging event. LNAPL was measured in two wells, GMW-62 and TF-18, during the first quarter event at thicknesses of 0.03 feet and 0.02 feet, respectively. This is a reduction since past events and continues to indicate the reduced LNAPL plume and occurrences in the groundwater monitoring wells.

Fourteen wells were purged and sampled on January 9 and 10, 2012. Wells sampled by Blaine Tech Services, Inc. on behalf of Parsons were purged and sampled using low-flow methods in general conformance with ASTM D6771-02. All purged groundwater was transferred to the onsite groundwater treatment system.

All groundwater samples were labeled, entered onto a chain-of-custody form, and delivered to Calscience Environmental Laboratories, Inc., a State-certified analytical laboratory in Garden Grove, California. Groundwater samples were analyzed using U.S. Environmental Protection Agency (EPA) Method 8015 modified for total petroleum hydrocarbons (TPH) as jet propellant 5

2012 First Quarter Groundwater Monitoring Results

(TPH as JP5). Groundwater samples were also analyzed for volatile organic compounds (VOCs) using EPA Method 8260B, which includes methyl-tertiary butyl ether (MTBE) and oxygenates. Some selected samples were also analyzed for TPH as gasoline (TPHg). Table 2 presents a summary of analytical results for TPH, benzene, toluene, ethylbenzene, and xylenes (BTEX), 1,2-dichloroethane (1,2-DCA), MTBE, and tert-butyl alcohol (TBA) detected in the sampled wells. Table 3 presents a summary of miscellaneous VOCs detected in groundwater.

TPH was not detected in groundwater samples collected from the Exposition aquifer monitoring wells, EXP-1, EXP-2, or EXP-3. However, as shown on Table 2, there was one detection of 1,2-DCA and MTBE in EXP-3 at 0.81 micrograms per liter ($\mu\text{g/L}$) and 0.63 $\mu\text{g/L}$, respectively. These two compounds were not detected in EXP-3 during the October 2011 event but have showed up as low-level detects for the first, second, and third quarters in 2011.

TPH as JP5 was detected in five of the sampled wells, with GMW-47 and GMW-59 indicating the highest concentration at 2,900 $\mu\text{g/L}$. This detected TPH as JP5 concentration is similar compared to concentration reported during previous quarterly sampling event. TPHg was analyzed at six wells and detected at three wells, with a maximum concentration of 2,800 $\mu\text{g/L}$ at GMW-59, which is higher than the previous quarter (<1,800 $\mu\text{g/L}$ in October 2011).

Benzene was detected in five wells sampled, with the highest concentration present in GMW-59 (340 $\mu\text{g/L}$) which is higher than the previous quarter (130 $\mu\text{g/L}$ in October 2011). Toluene was detected below its reporting limit of 0.50 $\mu\text{g/L}$ in two wells and at a concentration of 1.1 $\mu\text{g/L}$ in GMW-61. The highest concentration of ethylbenzene was detected at well GMW-60 at 7.3 $\mu\text{g/L}$. The highest concentration of xylene was 2.5 $\mu\text{g/L}$ detected at well GMW-50. In addition to EXP-3, MTBE was detected in five wells with the highest concentration of 7.9 $\mu\text{g/L}$ at GMW-47. TBA was detected in four wells with the highest concentration of 110 $\mu\text{g/L}$ at well GMW-47. In addition to EXP-3, 1,2-DCA was detected at two wells with the highest concentration of 4.4 $\mu\text{g/L}$ at MW-22 MID.

Other VOCs detected during this sampling quarter included 1,1-dichloroethane (1,1-DCA), 1,2,4-trimethylbenzene, cis-1,2-dichloroethene, carbon disulfide, diisopropyl ether (DIPE), isopropylbenzene, methylene chloride, naphthalene, n-butylbenzene, n-propylbenzene, sec-butylbenzene, and tert-butylbenzene. Summary of miscellaneous VOCs detected is presented in Table 3.

The information presented in this letter-report will also be included in the 2012 first semiannual groundwater monitoring report for the site. If you have any questions, please call me at 602-734-1083 or Mary Lucas at 626-440-6032.

Sincerely,



Redwan N. Hassan, PG
Project Manager

PARSONS



2012 First Quarter Groundwater Monitoring Results

Attachments:

- Figure 1 – Site Location Map
- Figure 2 – Site Map with Groundwater Well Locations
- Table 1 – Groundwater Elevations
- Table 2 – Summary of Groundwater Analytical Data
- Table 3 – Summary of Miscellaneous VOCs Detected in Groundwater

Distribution:

- Mr. Matthew Young, DLA Energy
- Lt. Col. Tam Gaffney, DLA Energy
- Mr. Tim Whyte, URS
- Ms. Adriana Figueroa, City of Norwalk
- Mr. Norman Dupont, City of Norwalk Attorney
- Mr. Charles Emig, City of Cerritos
- Mr. Gary Lynch, Park Water Company
- Ms. Minxia Dong, Norwalk Regional Library
- Mr. Steve Defibaugh, KMEP
- Mr. Mark Wuttig, CH2M Hill
- Mr. Dan Jablonski, CH2M Hill
- Ms. Mary Lucas, Parsons
- Office of Congresswoman Grace Napolitano

RAB Members

- Ms. Mary Jane McIntosh
- Dr. Eugene Garcia
- Mr. Bob Hoskins
- Ms. Tracy Winkler

**Attachment –
Figures**

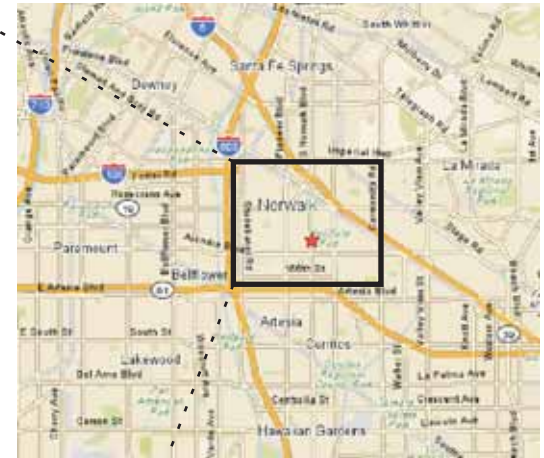


Figure 1
SITE LOCATION MAP

DFSP NORWALK
15306 Norwalk Blvd.
Norwalk, California

PARSONS

Pasadena, California

Legend

- ▲ Extraction Well Used for Site Remediation
- Groundwater Monitoring Well

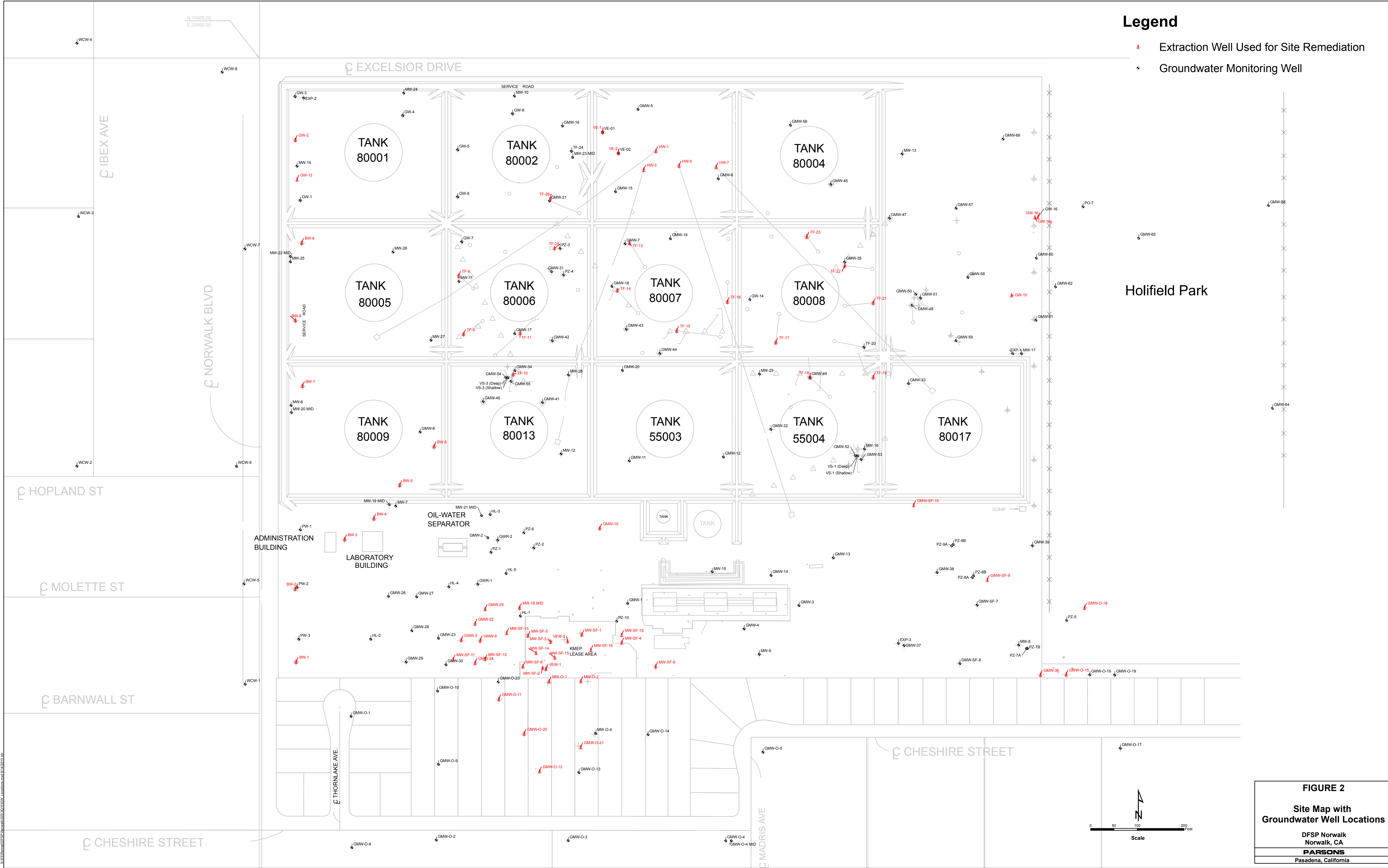


FIGURE 2
Site Map with
Groundwater Well Locations
DFSP Norwalk
Norwalk, CA
PARSONS
Pasadena, California

Attachment -

Tables

Table 1

**Groundwater Elevations
First Quarter 2012 Sentry Event**

Defense Fuel Support Point, Norwalk
Norwalk, California

Well	Sample Date	Casing Diameter (inches)	Casing Elevation (ft msl) ¹	Depth to Product (feet) ²	Depth to Water (feet) ²	Apparent Product Thickness (feet) ²	Groundwater Elevation (ft msl) ¹	Comments
EXP-1	1/5/2012	4	78.44	--	52.72	--	25.72	
EXP-2	1/5/2012	4	79.43	--	53.33	--	26.10	
EXP-3	1/6/2012	4	77.58	--	51.68	--	25.90	
EXP-4	--	4	79.81	--	--	--	--	
EXP-5	--	4	72.41	--	--	--	--	
GMW-1	--	4	74.77	--	--	--	--	
GMW-2	--	4	73.57	--	--	--	--	
GMW-3	--	4	75.10	--	--	--	--	
GMW-4	--	4	75.45	--	--	--	--	
GMW-5	1/5/2012	4	77.61	--	30.76	--	46.85	
GMW-6	1/5/2012	4	77.31	--	30.25	--	47.06	
GMW-7	1/5/2012	4	75.84	--	28.60	--	47.24	
GMW-8	--	4	73.20	--	--	--	--	
GMW-9	--	4	74.44	--	--	--	--	
GMW-10	--	4	74.67	--	--	--	--	
GMW-11	--	4	72.90	--	--	--	--	
GMW-12	1/6/2012	4	75.21	--	27.73	--	47.48	
GMW-13	--	4	74.17	--	--	--	--	
GMW-14	--	4	74.72	--	--	--	--	
GMW-15	1/5/2012	4	76.21	--	29.12	--	47.09	
GMW-16	1/5/2012	4	77.00	--	30.04	--	46.96	
GMW-17	1/5/2012	4	74.66	--	27.14	--	47.52	
GMW-18	1/6/2012	4	75.36	--	27.87	--	47.49	
GMW-19	1/5/2012	4	76.83	--	29.58	--	47.25	
GMW-20	1/6/2012	4	75.10	--	27.83	--	47.27	
GMW-21	1/5/2012	4	76.23	--	28.99	--	47.24	Removed cage and inspected; no odor
GMW-22	--	4	74.17	--	--	--	--	
GMW-23	--	4	74.85	--	--	--	--	
GMW-24	--	4	74.04	--	--	--	--	
GMW-25	--	6	74.29	--	--	--	--	
GMW-26	--	4	74.52	--	--	--	--	
GMW-27	--	4	74.41	--	--	--	--	
GMW-28	--	4	74.68	--	--	--	--	
GMW-29	--	4	77.57	--	--	--	--	
GMW-30	--	6	74.91	--	--	--	--	
GMW-31	1/5/2012	4	76.50	--	29.34	--	47.16	
GMW-32	1/5/2012	4	74.62	--	27.22	--	47.40	
GMW-33	1/5/2012	4	74.88	--	--	--	--	Well Damaged
GMW-34	1/6/2012	4	75.25	--	27.87	--	47.38	
GMW-35	1/6/2012	4	76.12	--	28.85	--	47.27	
GMW-36	--	4	74.53	--	--	--	--	
GMW-37	--	4	77.32	--	--	--	--	
GMW-38	--	4	75.47	--	--	--	--	
GMW-39	--	4	75.05	--	--	--	--	
GMW-40	1/6/2012	4	73.13	--	25.77	--	47.36	Well Damaged; surface completion over wellhead

Table 1

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First Quarter 2012 Sentry Event**

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Norwalk, California

Well	Sample Date	Casing Diameter (inches)	Casing Elevation (ft msl) ¹	Depth to Product (feet) ²	Depth to Water (feet) ²	Apparent Product Thickness (feet) ²	Groundwater Elevation (ft msl) ¹	Comments
GMW-41	1/5/2012	4	74.46	--	27.26	--	47.20	
GMW-42	1/5/2012	4	75.50	--	28.32	--	47.18	
GMW-43	1/5/2012	4	74.44	--	27.12	--	47.32	
GMW-44	1/5/2012	4	74.45	--	27.37	--	47.08	
GMW-45	1/5/2012	4	75.67	--	28.70	--	46.97	
GMW-47	1/5/2012	4	75.98	--	28.74	--	47.24	Sheen
GMW-48	1/5/2012	4	75.03	--	26.73	--	48.30	
GMW-50	1/5/2012	4	75.51	--	28.14	--	47.37	
GMW-51	1/5/2012	4	75.93	--	28.56	--	47.37	
GMW-52	1/6/2012	4	75.03	--	27.56	--	47.47	
GMW-53	1/6/2012	4	74.90	--	27.46	--	47.44	
GMW-54	1/6/2012	4	75.16	--	27.87	--	47.29	
GMW-55	1/6/2012	4	74.60	--	27.12	--	47.48	Surface completion missing; casing damaged
GMW-56	1/5/2012	4	76.52	--	29.47	--	47.05	
GMW-57	1/5/2012	4	76.66	--	29.42	--	47.24	
GMW-58	1/5/2012	4	75.48	--	27.38	--	48.10	
GMW-59	1/5/2012	4	75.28	--	26.58	--	48.70	
GMW-60	1/5/2012	4	76.24	--	28.94	--	47.30	
GMW-61	1/5/2012	4	75.60	--	28.27	--	47.33	
GMW-62	1/5/2012	4	76.34	29.10	29.13	0.03	47.24	
GMW-63	1/5/2012	4	77.32	--	29.99	--	47.33	
GMW-64	1/5/2012	4	75.84	--	28.25	--	47.59	
GMW-65	1/5/2012	4	76.78	--	29.58	--	47.20	
GMW-66	1/5/2012	4	77.00	--	29.73	--	47.27	
GMW-O-1	--	4	71.45	--	--	--	--	
GMW-O-2	--	4	72.54	--	--	--	--	
GMW-O-3	--	4	72.19	--	--	--	--	
GMW-O-4	--	4	71.95	--	--	--	--	
GMW-O-4 (MID)	--	4	72.24	--	--	--	--	
GMW-O-5	--	4	72.36	--	--	--	--	
GMW-O-6	--	4	71.41	--	--	--	--	
GMW-O-7	--	4	70.98	--	--	--	--	
GMW-O-8	--	4	70.91	--	--	--	--	
GMW-O-9	--	4	73.50	--	--	--	--	
GMW-O-10	--	4	73.98	--	--	--	--	
GMW-O-11	--	4	74.17	--	--	--	--	
GMW-O-12	--	4	73.49	--	--	--	--	
GMW-O-14	--	4	74.08	--	--	--	--	
GMW-O-15	--	4	74.23	--	--	--	--	
GMW-O-16	--	4	74.10	--	--	--	--	
GMW-O-17	--	4	73.78	--	--	--	--	
GMW-O-18	--	4	74.36	--	--	--	--	
GMW-O-19	--	4	74.46	--	--	--	--	
GMW-O-23	--	4	73.63	--	--	--	--	
GMW-SF-7	--	4	75.26	--	--	--	--	
GMW-SF-8	--	4	76.75	--	--	--	--	

Table 1

**Groundwater Elevations
First Quarter 2012 Sentry Event**

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Norwalk, California

Well	Sample Date	Casing Diameter (inches)	Casing Elevation (ft msl) ¹	Depth to Product (feet) ²	Depth to Water (feet) ²	Apparent Product Thickness (feet) ²	Groundwater Elevation (ft msl) ¹	Comments
GW-1	--	1	75.46	--	--	--	--	
GW-1	1/5/2012	4	75.97	--	29.13	--	46.84	
GW-2	--	1	76.39	--	--	--	--	
GW-2	1/5/2012	4	75.78	--	28.91	--	46.87	
GW-3	--	1	76.56	--	--	--	--	
GW-3	1/6/2012	4	75.79	--	28.92	--	46.87	
GW-4	--	1	74.77	--	--	--	--	
GW-4	1/5/2012	4	73.86	--	--	--	--	Pumping well unable to measure - no access
GW-5	--	1	77.09	--	--	--	--	
GW-5	1/5/2012	4	76.99	--	30.08	--	46.91	
GW-6	--	1	77.41	--	--	--	--	
GW-6	1/5/2012	4	76.38	--	29.43	--	46.95	
GW-7	--	1	76.76	--	--	--	--	
GW-7	1/5/2012	4	75.02	--	27.99	--	47.03	
GW-8	--	1	76.88	--	--	--	--	
GW-8	1/5/2012	4	76.15	--	29.27	--	46.88	
GW-13	--	1	77	--	--	--	--	
GW-13	1/5/2012	6	76.85	--	30.11	--	46.74	
GW-14	--	1	76.55	--	--	--	--	
GW-14	1/5/2012	6	76.54	--	29.24	--	47.30	
GW-15	--	1	75.36	--	--	--	--	
GW-15	1/5/2012	6	74.94	--	28.73	--	46.21	
GW-16	--	1	76.55	--	--	--	--	
GW-16	1/5/2012	6	76.33	--	29.63	--	46.70	
GWR-1	--	4	77.40	--	--	--	--	
GWR-3	--	6	74.93	--	--	--	--	
HL-2	--	4	76.94	--	--	--	--	
HL-3	--	4	76.86	--	--	--	--	
MW-6	--	4	77.20	--	--	--	--	
MW-7	--	4	78.13	--	--	--	--	
MW-8	--	4	76.06	--	--	--	--	
MW-9	--	4	77.11	--	--	--	--	
MW-10	1/5/2012	4	79.12	--	32.23	--	46.89	
MW-11	1/5/2012	4	78.17	--	30.92	--	47.25	
MW-12	--	4	75.76	--	--	--	--	
MW-13	1/5/2012	4	78.25	--	31.08	--	47.17	
MW-14	1/5/2012	4	78.60	--	31.77	--	46.83	
MW-15	--	4	76.99	--	--	--	--	
MW-16	1/5/2012	4	76.87	--	29.41	--	47.46	
MW-17	1/5/2012	4	77.86	--	30.53	--	47.33	
MW-18 (MID)	--	4	75.67	--	--	--	--	
MW-19 (MID)	--	4	78.14	--	--	--	--	
MW-20 (MID)	--	4	77.19	--	--	--	--	
MW-21 (MID)	--	4	77.55	--	--	--	--	
MW-22 (MID)	1/5/2012	4	79.57	--	33.96	--	45.61	
MW-23 (MID)	1/5/2012	4	79.59	--	32.61	--	46.98	

Table 1

**Groundwater Elevations
First Quarter 2012 Sentry Event**

Defense Fuel Support Point, Norwalk
Norwalk, California

Well	Sample Date	Casing Diameter (inches)	Casing Elevation (ft msl) ¹	Depth to Product (feet) ²	Depth to Water (feet) ²	Apparent Product Thickness (feet) ²	Groundwater Elevation (ft msl) ¹	Comments
MW-24	1/5/2012	4	78.51	--	31.74	--	46.77	
MW-25	1/5/2012	4	79.15	--	32.23	--	46.92	
MW-26	1/5/2012	4	77.40	--	30.35	--	47.05	
MW-27	1/5/2012	4	78.46	--	31.19	--	47.27	
MW-28	1/6/2012	4	78.53	--	31.18	--	47.35	
MW-29	1/5/2012	4	79.13	--	31.77	--	47.36	
MW-O-1	--	2	75.48	--	--	--	--	
MW-O-2	--	2	71.90	--	--	--	--	
MW-SF-1	--	4	78.93	--	--	--	--	
MW-SF-2	--	4	78.53	--	--	--	--	
MW-SF-3	--	4	78.12	--	--	--	--	
MW-SF-4	--	4	79.38	--	--	--	--	
MW-SF-5	--	4	79.74	--	--	--	--	
MW-SF-6	--	4	76.80	--	--	--	--	
MW-SF-9	--	4	74.10	--	--	--	--	
MW-SF-11	--	4	78.56	--	--	--	--	
MW-SF-12	--	4	78.07	--	--	--	--	
MW-SF-13	--	4	73.4	--	--	--	--	
MW-SF-14	--	4	78.16	--	--	--	--	
MW-SF-15	--	4	78.27	--	--	--	--	
MW-SF-16	--	4	78.21	--	--	--	--	
PW-1	--	4	75.52	--	--	--	--	
PW-2	--	4	74.71	--	--	--	--	
PW-3	--	4	73.71	--	--	--	--	
PZ-2	--	2	73.96	--	--	--	--	
PZ-3	1/6/2012	2	76.17	--	28.83	--	47.34	
PZ-4	1/6/2012	2	76.13	--	28.93	--	47.20	
PZ-5	--	4	73.97	--	--	--	--	
PZ-8a	--	2	75.81	--	--	--	--	
PZ-8b	--	2	75.69	--	--	--	--	
PZ-10	--	2	74.34	--	--	--	--	
TF-8	--	1.5	75.60	--	--	--	--	
TF-8	1/5/2012	4	74.86	--	27.53	--	47.33	
TF-9	--	1.5	75.27	--	--	--	--	
TF-9	1/5/2012	4	74.47	--	27.00	--	47.47	
TF-10	--	1	74.19	--	--	--	--	
TF-10	1/5/2012	4	73.61	--	26.15	--	47.46	
TF-11	--	1.5	74.95	--	--	--	--	
TF-11	1/5/2012	4	74.40	--	26.83	--	47.57	
TF-13	--	1.5	75.90	--	--	--	--	
TF-13	1/5/2012	4	75.47	--	--	--	--	Bee; not able to record
TF-14	--	1.5	74.78	--	--	--	--	
TF-14	1/5/2012	4	74.35	--	26.72	--	47.63	
TF-15	--	1.5	75.40	--	--	--	--	
TF-15	1/5/2012	4	74.78	--	27.17	--	47.61	
TF-16	--	1.5	76.48	--	--	--	--	
TF-16	1/5/2012	4	75.89	--	28.28	--	47.61	

Table 1

**Groundwater Elevations
First Quarter 2012 Sentry Event**

Defense Fuel Support Point, Norwalk
Norwalk, California

Well	Sample Date	Casing Diameter (inches)	Casing Elevation (ft msl) ¹	Depth to Product (feet) ²	Depth to Water (feet) ²	Apparent Product Thickness (feet) ²	Groundwater Elevation (ft msl) ¹	Comments
TF-17	--	1.5	75.26	--	--	--	--	
TF-17	1/5/2012	4	74.88	--	27.18	--	47.70	
TF-18	1/5/2012	4	73.94	26.31	26.33	0.02	47.63	
TF-19	--	1.5	75.61	--	--	--	--	
TF-19	1/6/2012	4	75.07	--	27.48	--	47.59	
TF-20	--	1.5	75.59	--	--	--	--	
TF-20	1/5/2012	4	75.08	--	28.21	--	46.87	
TF-21	--	1.5	75.60	--	--	--	--	
TF-21	1/5/2012	4	74.96	--	27.43	--	47.53	
TF-22	--	1.5	74.95	--	--	--	--	
TF-22	1/6/2012	4	74.76	--	27.27	--	47.49	
TF-23	1/6/2012	4	75.31	--	27.79	--	47.52	
TF-24	--	1.5	76.35	--	--	--	--	
TF-24	1/5/2012	4	76.43	--	29.46	--	46.97	
TF-25	--	1.5	74.85	--	--	--	--	NO TOC; use 4 in TOC
TF-25	1/5/2012	4	74.85	--	27.60	--	47.25	
TF-26	--	1.5	75.85	--	--	--	--	NO TOC; use 4 in TOC
TF-26	1/6/2012	4	75.85	--	28.40	--	47.45	
VS-1 (Shallow)	--	--	--	--	--	--	--	NO TOC
VS-1 (Deep)	--	--	--	--	--	--	--	NO TOC
VS-3 (Shallow)	--	--	--	--	--	--	--	NO TOC
VS-3 (Deep)	--	--	--	--	--	--	--	NO TOC
WCW-1	--	4	72.86	--	--	--	--	
WCW-2	--	4	75.34	--	--	--	--	
WCW-3	--	4	76.16	--	--	--	--	
WCW-4	--	4	78.05	--	--	--	--	
WCW-5	--	4	73.49	--	--	--	--	
WCW-6	--	4	75.52	--	--	--	--	
WCW-7	--	4	76.44	--	--	--	--	
WCW-8	--	4	77.34	--	--	--	--	
WCW-9	--	4	77.74	--	--	--	--	
WCW-10	--	4	74.06	--	--	--	--	
WCW-11	--	4	75.29	--	--	--	--	
WCW-12	--	4	76.27	--	--	--	--	
WCW-13	--	4	77.70	--	--	--	--	
WCW-14	--	4	78.81	--	--	--	--	
VE-01	--	--	77.70	--	--	--	--	
VE-02	--	--	77.26	--	--	--	--	

Notes:¹Feet above mean sea level (MSL), based on Los Angeles County Datum, 1980.²Below top of casing.

Table 2
Summary of Groundwater Analytical Data
First Quarter 2012 Sentry Event
 Defense Fuel Support Point, Norwalk
 Norwalk, California

Results reported in micrograms per liter (µg/L)

Well	Sample Date	TPH as JP5 ¹	TPHg ²	Benzene	Toluene	Ethyl-benzene	O-xylene	P/M-xylene	1,2-DCA ³	MTBE ⁴	TBA ⁵
EXP-1	09-Jan-12	< 100 ⁶	< 100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 10
EXP-2	09-Jan-12	< 100	< 100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 10
EXP-3	09-Jan-12	< 100	< 100	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.81	0.63	< 10
GMW-47	10-Jan-12	2900 ⁸	--	0.63	< 0.50	0.74	< 0.50	0.36 J ⁹	< 0.50	7.9	110
GMW-50	10-Jan-12	820	--	48	< 0.50	0.24 J	2.5	< 0.50	< 0.50	0.47 J	9.6 J
GMW-57	09-Jan-12	< 100	--	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 10
GMW-59	10-Jan-12	2600	2800	340	0.24 J	0.54	< 0.50	< 0.50	< 0.50	5.2	16
GMW-59 DUP ⁷	10-Jan-12	2900	--	330	0.26 J	0.55	< 0.50	< 0.50	< 0.50	4.5	33
GMW-60	10-Jan-12	990	2100	210	0.3 J	7.3	< 0.50	< 0.50	< 0.50	< 0.50	< 10
GMW-61	10-Jan-12	100	210	0.15 J	1.1	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 10
GMW-63	09-Jan-12	< 100	--	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 10
GMW-64	09-Jan-12	< 100	--	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 10
GMW-65	09-Jan-12	< 100	--	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 10
GMW-65 DUP	09-Jan-12	< 100	--	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 10
MW-14	09-Jan-12	< 100	--	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	3.3	3.6	< 10
MW-22 MID	09-Jan-12	< 100	--	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	4.4	6.6	12
TB-01	09-Jan-12	--	--	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 10

Notes:

¹TPH as JP5 = total petroleum hydrocarbons against a jet propellant 5 standard.

²TPHg = total petroleum hydrocarbons against a gasoline standard.

³1,2-DCA = 1,2-Dichloroethane.

⁴MTBE = Methyl tert-butyl ether.

⁵TBA = Tert-butyl alcohol.

⁶< 100 = compound not detected at or above the indicated reporting limit.

⁷DUP = duplicate.

⁸Bold numbers indicate a detected concentration.

⁹J = analyte was detected at a concentration below the laboratory reporting limit and above the laboratory detection limit. Reported value is estimated.

Table 3
Summary of Miscellaneous VOCs Detected in Groundwater
First Quarter 2012 Sentry Event
 Defense Fuel Support Point, Norwalk
 Norwalk, California

Results reported in micrograms per liter (µg/L)

Well	Sample Date	1,1-Dichloroethane	1,2,4-Trimethylbenzene	c-1,2-Dichloroethene	Carbon Disulfide	Diisopropyl Ether (DIPE)	Isopropylbenzene	Methylene Chloride	Naphthalene	n-Butylbenzene	n-Propylbenzene	sec-Butylbenzene	tert-Butylbenzene
GMW-47	10-Jan-12	0.54 J ¹	< 1.0 ²	< 1.0	0.92 J	< 2.0	23 ³	< 5.0	< 10	< 1.0	1.4	3	0.9 J
GMW-50	10-Jan-12	< 1.0	0.48 J	< 1.0	< 10	< 2.0	6.3	< 5.0	4.9 J	< 1.0	2.8	0.5 J	0.28 J
GMW-59	10-Jan-12	< 1.0	< 1.0	1	< 10	< 2.0	24	< 5.0	30	0.94 J	18	2.8	0.69 J
GMW-59 DUP ⁴	10-Jan-12	< 1.0	< 1.0	1.1	0.55 J	< 2.0	24	< 5.0	33	0.86 J	18	2.9	0.7 J
GMW-60	10-Jan-12	< 1.0	< 1.0	< 1.0	0.77 J	< 2.0	87	< 5.0	130	1.8	82	9.9	1.4
GMW-61	10-Jan-12	< 1.0	< 1.0	< 1.0	< 10	< 2.0	2.4	< 5.0	< 10	< 1.0	< 1.0	1.3	0.4 J
MW-14	09-Jan-12	< 1.0	< 1.0	< 1.0	< 10	0.83 J	< 1.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
MW-22 MID	09-Jan-12	< 1.0	< 1.0	< 1.0	< 10	0.45 J	< 1.0	< 5.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0
TB-01	09-Jan-12	< 1.0	< 1.0	< 1.0	< 10	< 2.0	< 1.0	1.9 J	< 10	< 1.0	< 1.0	< 1.0	< 1.0

Notes:

¹ J = analyte was detected at a concentration below the laboratory reporting limit and above the laboratory detection limit. Reported value is estimated.

² <1.0 = compound not detected at or above the indicated reporting limit.

³ Bold numbers indicate a detected concentration.

⁴ DUP = duplicate.