Jakub, Barbara, Env. Health

From: Jakub, Barbara, Env. Health
Sent: Friday, May 01, 2009 10:06 AM
To: 'Lia Holden'
Cc: Grayson, Terry L (DXT Services)
Subject: RE: RO251 & R0253

Dear Mr. Grayson and Ms. Holden,
I concur with your request to remove the HVOC analysis from MW-1 at site RO251 and to reduce sampling in MW-A to only TPHd analysis at site RO253. ACEH will review the SCMs for these sites and respond to your other requests at that time.
Regards,
Barb Jakub

From: Lia Holden [mailto:LHolden@deltaenv.com]
Sent: Thursday, April 30, 2009 12:12 PM
To: Jakub, Barbara, Env. Health
Cc: Grayson, Terry L (DXT Services)
Subject: RO251 & R0253

Hi Barbara,
Thank you for taking the time to talk with me last week. I hope all is well with you.

From what we discussed during our phone conversation, I felt that it might be a good idea to send you this in an email. Aside from what we've already discussed regarding the subject sites, in the Recommendations and Conclusions sections of the QSRs for R0251 and R0253 (that we've just submitted), I've requested the reduction of analytes for these two sites. I've cut and pasted an excerpt from each QSR for your ease of viewing. If you concur, I'd like to send TRC a request to reduce the analyses as soon as possible. Thank you so much for your time Barbara. Let me know your thoughts on this.

R0251-Site No. 3538 - 411 W. MacArthur Boulevard, Oakland CA:

Typically the EPA public health goals (PHGs) for constituents are more conservative values than the maximum contamination levels (MCLs). With the exception of minor detections 1, 1,2-Trichloro-1,2,2-trifluoroethane (Freon 113), 1,1-Dichloroethene (1,1,-DCE), tetrachloroethene (PCE), and bromodichloromethane, all HVOCs have remained below laboratory reporting limits since the sampling of MW-1 began in 1989. The HVOCs that *have* historically been detected (Freon, 1,1,-DCE, and PCE, and bromodichloromethane), have remained below either MCLs or PHGs since the sampling of MW-1 commenced in 1989. A PHG or MCL has not been established for bromodichloromethane, but it has been detected only during one event (7/16/01) at a concentration of 1.7 ug/l and has not been detected since that date. A comparison of historic analytical detections with PHG and MCLs is provided below.

HVOC Detections in MW-1

Analyte	Date of Historic Maximum	Historic Maximum (µg/l)	Current Concentrations (Third Quarter 2008)	MCL or PHG (µg/l)
Freon 113	7/29/04	13	5.4	4,000 (PHG)
Tetrachloroethene	9/15/1989	2.7	ND<0.50	5 (MCL)
1,1-Dichloroethene	07/02/02	1.8	ND<0.50	10 (PHG)

Based on this data, Delta recommends the reduction of analytes in MW-1 to only those analyzed in all other site wells (TPH-G, BTEX compounds and MTBE).

R0253-Site No. 5781 - 01470 Pierson Street, Oakland CA:

One monitoring well (MW-A) is present at the site. For seven consecutive sampling events, with the exception of MTBE detected at 0.54 µg/l (March 2006) and a maximum TPH-D detection of 131 µg/l (March 2001), petroleum hydrocarbons have not been detected in groundwater samples collected from this well.

Currently, groundwater samples are analyzed for TPH-G by EPA Method 8015M, BTEX by EPA Method 8021B, VOCs by EPA Method 8260, TOG by EPA method 1664, and MTBE by EPA Method 8021B and 8260B.

With the exception of sporadic detections of toluene (0.25 µg/l, February 1994), total xylenes (maximum concentration of 2.1 µg/l detected in February of 1996) and TPH-D, analytes have been not been reported above the laboratory reporting limit in the site's monitoring history.

Historically, analyte concentrations in MW-A have been either low or not detected. With the exception of two sampling events (February of 1996 and March of 2001), where TPH-D was detected at respective concentrations of 120 µg/l and 131 µg/l, all constituent concentrations detected in MW-A have been below the California Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs). (RWQCB, May 2008)

Delta continues to recommend case closure for the site. Additionally, Delta recommends reducing groundwater sample analyses to only TPH-D by EPA method 8015 with silica gel cleanup, and BTEX compounds by EPA method 8260B until case closure is granted.

Lia Holden, PG
Geologist - Project Manager

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