

Pelton, Jason M (DEC)

From: Wu, Ernie <Ernie.Wu@tetrattech.com>
Sent: Thursday, September 12, 2019 4:18 PM
To: Pelton, Jason M (DEC); Karpinski, Steven (HEALTH); Lovejoy, John (NASSAU); Stein, Carol; Garbarini.Doug@epa.gov; rlenz@oysterbay-ny.gov
Cc: Murray, Brian S CIV USN NAVFAC MIDLANT NOR (USA); Fly, Lora B CIV NAVFAC MIDLANT, IPTNE (lora.fly@navy.mil); Brayack, David; Francisco, Ben
Subject: Q2, 2019 (June) Validated Data, OU2 Navy groundwater sampling
Attachments: June 2019 - OU2_Navy GW_validated data.pdf

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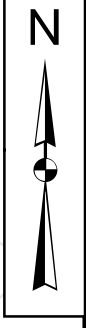
All:

As per discussions between the Navy and NYSDEC, NYSDEC requested that the Navy submit the validated data as soon as the information is available. Please find attached, a pdf table of the Q2, 2019 (June) OU2 groundwater sampling data. The data includes both VOCs and 1,4-dioxan results.

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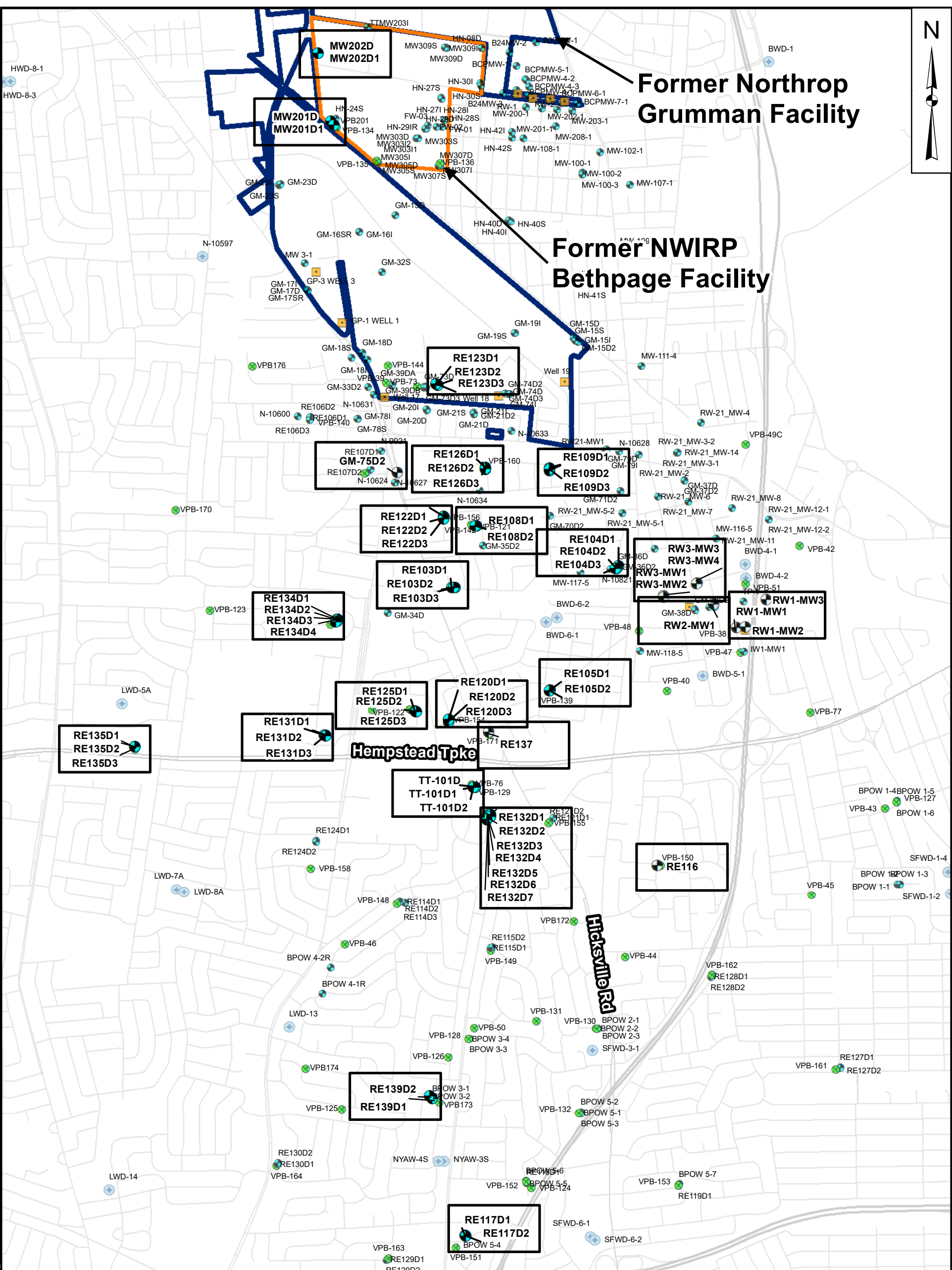
**Former Northrop
Grumman Facility**

**Former NWIRP
Bethpage Facility**

Hempstead Tpke

Hicksville Rd

Southern State Pkwy



Legend

- Monitoring Well - Other
- Vertical Profile Boring
- Extraction Well
- Water Supply Well
- Monitoring Wells to be sampled
- Monitoring Wells for water levels only
- 1997 Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage Property
- 1997 Northrop Grumman Property

0 500 1,000 2,000
Feet

Note:
Wells outlined on this figure
are for water level measurements
and/or groundwater sampling



**MONITORING WELL LOCATIONS
2019-2020 OU2 GROUNDWATER
MONITORING PROGRAM
NWIRP BETHPAGE, NEW YORK**

FILE	112G08005-WE13	SCALE	AS NOTED
FIGURE NO.	2	REV	DATE
			8/30/2019

NOR-PLGIS_files\Bethpage\MAP_DCS\SMXD\BP_OU2_2019\BP_wf_locs_082019.mxd\MMC

June 2019 Validated Analytical Data
Navy OU2 Groundwater Sampling
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LOCATION SAMPLE ID SAMPLE DATE DUPLICATE SAMPLE CODE MATRIX SDG	RE103D1 RE103D1-20190605 20190605 NORMAL GW K3255	RE103D2 RE103D2-20190605-D 20190605 RE103D2-20190605 DUP GW K3257	RE103D2 RE103D2-20190605 20190605 ORIG GW K3255	RE103D3 RE103D3-20190605 20190605 NORMAL GW K3257	RE104D1 RE104D1-20190607 20190607 NORMAL GW K3315	RE104D2 RE104D2-20190607 20190607 NORMAL GW K3315
VOLATILES (UG/L)						
1,1,1-TRICHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.67 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	6.7	1.6 J	1.7 J	2.1 J	1.3 J	0.5 U
1,1-DICHLOROETHANE	0.76 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	3.9 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-BUTANONE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-HEXANONE	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
4-METHYL-2-PENTANONE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
ACETONE	2.5 U	25 U	2.5 U	25 U	25 U	25 U
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOFORM	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
BROMOMETHANE	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 U
CARBON DISULFIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CARBON TETRACHLORIDE	0.38 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
CHLOROETHANE	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 U
CHLOROFORM	0.7 J	0.58 J	0.61 J	0.46 J	0.5 U	0.56 J
CHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CIS-1,2-DICHLOROETHENE	2.4 J	0.48 J	0.53 J	0.7 J	0.59 J	5.2
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
M+P-XYLENES	1 U	1 U	1 U	1 U	1 U	1 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYLENE CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
STYRENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TETRACHLOROETHENE	4.9 J	0.53 J	0.56 J	0.66 J	2.5 J	0.5 U
TOLUENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	850	440	450	430	50	30.7
TRICHLOROFUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
522 (UG/L)						
1,4-DIOXANE	--	--	--	--	--	--
8270 (UG/L)						
1,4-DIOXANE	8.5	0.76 J	0.1	0.44	4.2	0.33 J
8260 (UG/L)						
1,4-DIOXANE	--	--	--	--	--	--

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LOCATION SAMPLE ID SAMPLE DATE DUPLICATE SAMPLE CODE MATRIX SDG	RE104D3 RE104D3-20190607 20190607	RE104D3 RE104D3-20190607-D 20190607 RE104D3-20190607	RE105D1 RE105D1-20190610 20190610	RE105D2 RE105D2-20190610 20190610	RE108D1 RE108D1-20190604 20190604	RE108D2 RE108D2-20190604 20190604
	ORIG GW K3315	DUP GW K3315	NORMAL GW K3315	NORMAL GW K3315	NORMAL GW K3255	NORMAL GW K3255
VOLATILES (UG/L)						
1,1,1-TRICHLOROETHANE	0.75 U	0.75 U	0.75 U	7.5 U	0.75 U	7.5 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
1,1,2-TRICHLOROETHANE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	0.5 U	0.5 U	4.9 J	14.9 J	0.5 U	5 U
1,1-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
1,1-DICHLOROETHENE	0.5 U	0.5 U	0.74 J	5 U	0.5 U	5 U
1,2-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
1,2-DICHLOROETHANE	0.75 U	0.75 U	0.75 U	7.5 U	0.75 U	7.5 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
1,3-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
1,4-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
2-BUTANONE	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U
2-HEXANONE	3.8 U	3.8 U	3.8 U	37.5 U	3.8 U	37.5 U
4-METHYL-2-PENTANONE	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U
ACETONE	2.5 U	2.5 U	25 U	25 U	2.5 U	25 U
BENZENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
BROMODICHLOROMETHANE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
BROMOFORM	0.5 U	0.5 UJ	0.5 UJ	5 UJ	0.5 U	5 U
BROMOMETHANE	0.5 UJ	0.5 U	0.5 U	5 U	0.5 UJ	5 UJ
CARBON DISULFIDE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
CHLOROBENZENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
CHLORODIBROMOMETHANE	0.5 U	0.5 UJ	0.5 UJ	5 UJ	0.5 U	5 U
CHLOROETHANE	0.5 UJ	0.5 U	0.5 U	5 U	0.5 U	5 U
CHLOROFORM	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
CHLOROMETHANE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
CIS-1,2-DICHLOROETHENE	0.5 U	0.5 U	1.1 J	5 U	0.5 U	6 J
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
M+P-XYLENES	1 U	1 U	1 U	10 U	1 U	10 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
METHYL TERT-BUTYL ETHER	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
METHYLENE CHLORIDE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
O-XYLENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
STYRENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
TETRACHLOROETHENE	0.5 U	0.5 U	0.34 J	5 U	1.1 J	5 U
TOLUENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 J
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
TRICHLOROETHENE	0.5 U	0.5 U	83.6	1400	28.5	2700
TRICHLOROFUOROMETHANE	0.5 UJ	0.5 U	0.5 U	5 U	0.5 U	5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U
522 (UG/L)						
1,4-DIOXANE	--	--	--	--	--	--
8270 (UG/L)						
1,4-DIOXANE	0.1 U	0.1 U	4.8	3.1	3.6	4.4
8260 (UG/L)						
1,4-DIOXANE	--	--	--	--	--	--

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VOLATILES (UG/L)						
1,1,1-TRICHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.54 J
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.71 J
1,1,2-TRICHLOROTRIFLUOROETHANE	0.5 U	1.1 J	2.1 J	0.5 U	0.5 U	13.7
1,1-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 J
1,1-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	7.7
1,2-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-BUTANONE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-HEXANONE	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
4-METHYL-2-PENTANONE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
ACETONE	2.5 U	2.5 U	2.5 U	2.9 J	2.5 U	25 U
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOFORM	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
BROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U
CARBON DISULFIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.43 J
CHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROFORM	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.59 J
CHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CIS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.81 J	0.5 U	0.5 U	2.8 J
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
M+P-XYLENES	1 U	1 U	1 U	1 U	1 U	1 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYLENE CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
STYRENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TETRACHLOROETHENE	0.53 J	0.5 U	0.46 J	0.5 U	0.5 U	3.3 J
TOLUENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	21.4	33.8	59.9	51.8	0.44 J	790
TRICHLOROFUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
522 (UG/L)						
1,4-DIOXANE	--	--	--	--	--	24
8270 (UG/L)						
1,4-DIOXANE	3.1	2.3	3.1	2.9	0.1 U	9.5
8260 (UG/L)						
1,4-DIOXANE	--	--	--	--	--	25

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LOCATION SAMPLE ID SAMPLE DATE DUPLICATE SAMPLE CODE MATRIX SDG	RE120D2 RE120D2-20190606 20190606 NORMAL GW K3257/K3259/K3260	RE120D3 RE120D3-20190606 20190606 NORMAL GW K3257/K3259/K3260	RE122D1 RE122D1-20190604 20190604 ORIG GW K3255	RE122D1 RE122D1-20190604-D 20190604 RE122D1-20190604 DUP GW K3255	RE122D2 RE122D2-20190604 20190604 NORMAL GW K3255	RE122D2 RE122D3-20190604 20190604 NORMAL GW K3255
VOLATILES (UG/L)						
1,1,1-TRICHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	7.5 U	0.75 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.54 J	0.5 U	0.31 J	0.3 J	5 U	0.5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	17.5	5.3	3.3 J	3.4 J	10 J	0.5 U
1,1-DICHLOROETHANE	0.78 J	0.5 U	0.5 U	0.5 U	5 U	0.5 U
1,1-DICHLOROETHENE	3.6 J	1.3 J	0.92 J	0.98 J	5 U	0.5 U
1,2-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
1,2-DICHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	7.5 U	0.75 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
1,3-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
1,4-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
2-BUTANONE	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U
2-HEXANONE	3.8 U	3.8 U	3.8 U	3.8 U	37.5 U	3.8 U
4-METHYL-2-PENTANONE	2.5 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U
ACETONE	25 U	25 U	2.5 U	2.5 U	25 U	2.5 U
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
BROMODICHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
BROMOFORM	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
BROMOMETHANE	0.5 U	0.5 U	0.5 UJ	0.5 U	5 UJ	0.5 UJ
CARBON DISULFIDE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
CARBON TETRACHLORIDE	0.59 J	0.5 U	0.56 J	0.61 J	5 U	0.5 U
CHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
CHLOROETHANE	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	5 U	0.5 U
CHLOROFORM	0.63 J	0.5 U	0.53 J	0.5 J	5 U	0.5 U
CHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
CIS-1,2-DICHLOROETHENE	3.1 J	1 J	2.7 J	2.8 J	5 U	0.5 U
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
M+P-XYLENES	1 U	1 U	1 U	1 U	10 U	1 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
METHYLENE CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
STYRENE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
TETRACHLOROETHENE	5.8	1.1 J	1.8 J	2.1 J	5 U	0.5 U
TOLUENE	0.5 U	0.5 U	0.5 U	0.5 U	7.9 J	0.5 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.51 J	0.45 J	5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
TRICHLOROETHENE	740	200	540	540	3200	7.5
TRICHLOROFUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
522 (UG/L)						
1,4-DIOXANE	19	3.8	--	--	--	--
8270 (UG/L)						
1,4-DIOXANE	8.6	1.4	4	3.7	5.2	0.1 U
8260 (UG/L)						
1,4-DIOXANE	19	0.70	--	--	--	--

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VOLATILES (UG/L)						
1,1,1-TRICHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.33 J	0.5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	0.5 U	0.5 U	0.5 U	8.9	16.6	42.1
1,1-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	1.8 J	5	0.72 J
1,2-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-BUTANONE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-HEXANONE	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
4-METHYL-2-PENTANONE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
ACETONE	2.3 J	2.5 U	2.5 U	2.5 U	25 U	2.5 U
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOFORM	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
BROMOMETHANE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CARBON DISULFIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
CHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROFORM	0.5 U	0.5 U	0.5 U	0.64 J	0.38 J	0.34 J
CHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CIS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	3.8 J	3.8 J	1.8 J
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
M+P-XYLENES	1 U	1 U	1 U	1 U	1 U	1 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYLENE CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
STYRENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TETRACHLOROETHENE	0.5 U	0.96 J	0.5 U	5.3	3.4 J	3.4 J
TOLUENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	10.1	1.8 J	0.5 U	160	210	150
TRICHLOROFUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
522 (UG/L)						
1,4-DIOXANE	--	--	--	--	--	--
8270 (UG/L)						
1,4-DIOXANE	1.9 J	0.44	0.1 U	8.4	12	3
8260 (UG/L)						
1,4-DIOXANE	--	--	--	--	--	--

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VOLATILES (UG/L)						
1,1,1-TRICHLOROETHANE	0.75 U	0.38 J	0.75 U	0.75 U	0.75 U	0.75 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	0.5 U	0.65 J	0.5 U	3.4 J	3.3 J	190
1,1-DICHLOROETHANE	0.5 U	1.1 J	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	0.5 U	1.1 J	0.5 U	0.79 J	0.76 J	0.5 U
1,2-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-BUTANONE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-HEXANONE	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
4-METHYL-2-PENTANONE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
ACETONE	2.5 U	2.7 J	2.5 U	25 U	25 U	2.5 U
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOFORM	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
BROMOMETHANE	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
CARBON DISULFIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CARBON TETRACHLORIDE	0.5 U	0.59 J	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROETHANE	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U
CHLOROFORM	0.5 U	0.5 U	0.5 U	1.8 J	1.7 J	0.5 U
CHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CIS-1,2-DICHLOROETHENE	0.46 J	1.4 J	0.5 U	4.1 J	4.4 J	4.8 J
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
M+P-XYLENES	1 U	1 U	1 U	1 U	1 U	1 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.5 U	0.5 U	0.5 U	0.49 J	0.47 J	0.5 U
METHYLENE CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
STYRENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TETRACHLOROETHENE	1.1 J	1.1 J	1.1 J	13.7	13.2	12.8
TOLUENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	36.7	540	2.3 J	160	160	85
TRICHLOROFUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
522 (UG/L)						
1,4-DIOXANE	--	--	--	--	--	--
8270 (UG/L)						
1,4-DIOXANE	2.9	0.63	0.63	9.2	10.2	10.1
8260 (UG/L)						
1,4-DIOXANE	--	--	--	--	--	--

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LOCATION	RE131D3	TT101D	TT-101D1	TT-101D2
SAMPLE ID	RE131D3-20190606	TT101D-20190610	TT101D1-20190610	TT101D2-20190610
SAMPLE DATE	20190606	20190610	20190610	20190610
DUPLICATE				
SAMPLE CODE	NORMAL	NORMAL	NORMAL	NORMAL
MATRIX	GW	GW	GW	GW
SDG	K3257	K3315	K3315	K3315
VOLATILES (UG/L)				
1,1,1-TRICHLOROETHANE	0.75 U	0.75 U	0.54 J	0.75 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.5 U	0.5 U	0.53 J	0.67 J
1,1,2-TRICHLOROTRIFLUOROETHANE	210	12.6	19.9	24.9
1,1-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	1.6 J	2.5 J	7.7	5.3
1,2-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	0.5 U
1,3-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U
1,4-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U
2-BUTANONE	2.5 U	2.5 U	2.5 U	2.5 U
2-HEXANONE	3.8 U	3.8 U	3.8 U	3.8 U
4-METHYL-2-PENTANONE	2.5 U	2.5 U	2.5 U	2.5 U
ACETONE	2.6 J	25 U	25 U	25 U
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U
BROMOFORM	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
BROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U
CARBON DISULFIDE	0.5 U	0.5 U	0.5 U	0.5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	1.6 J	1.4 J
CHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U
CHLORODIBROMOMETHANE	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
CHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROFORM	0.5 U	0.42 J	0.82 J	0.85 J
CHLOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U
CIS-1,2-DICHLOROETHENE	0.76 J	3 J	2 J	3.3 J
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U
M+P-XYLENES	1 U	1 U	1 U	1 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.5 U	0.5 U	0.5 U	0.5 U
METHYLENE CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 U
STYRENE	0.5 U	0.5 U	0.5 U	0.5 U
TETRACHLOROETHENE	5.2	0.28 J	0.5 U	1.8 J
TOLUENE	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	14.3	80.8	210	890
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U
522 (UG/L)				
1,4-DIOXANE	--	--	--	--
8270 (UG/L)				
1,4-DIOXANE	1.5	6.5	7.4	2.4
8260 (UG/L)				
1,4-DIOXANE	--	--	--	--

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UG/L - microgram per liter

U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted detection limit.

J - The result is an estimated value with an unknown bias. The associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was analyzed for, but was not detected. The reported detection limit is approximate and may be inaccurate or imprecise.