Pelton, Jason M (DEC)

From: Wu, Ernie <Ernie.Wu@tetratech.com>
Sent: Friday, April 16, 2021 2:38 PM
To: Pelton, Jason M (DEC); Sullivan, James (HEALTH); Irwin, Donald (NASSAU); Putnam, Robin (NASSAU); Castle, Richard (NASSAU); Stein, Carol; Azzam, Nidal; rlenz@oysterbay-ny.gov; Murray, Brian S CIV USN NAVFAC MIDLANT NOR (USA); Watts-Gravette, James V CIV USN NAVFAC MIDLANT NOR (USA); Brayack, David; Francisco, Ben; Varricchio, Vin; Walls, Kristen
Subject: Q4, 2020 (December) Validated Data, OU2 Navy groundwater sampling
Attachments: OU2_TT_Wells_December_2020.pdf; BP_OU2_MWs_2020_Q4.pdf

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 Q4, 2020 (December) OU2 groundwater sampling data. The data includes VOCs and 1,4-dioxane results. A figure has also been included depicting the locations of groundwater monitoring wells sampled.

Thanks,
Ernie

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Q4, 2020 (December) Validated Analytical Data
Navy OU2 Groundwater Sampling
Naval Weapons Industrial Reserve Plant Bethpage

LOCATION SAMPLE ID SAMPLE DATE	**BPOW17 BPOW1-7-20201215 12/15/2020**	**BPOW18 BPOW1-8-20201215 12/15/2020**	**BPS1-TT-MW201D MW201D-20201213 12/13/2020**	**BPS1-TT-MW201D MW201D-20201213-D 12/13/2020**	**BPS1-TT-MW201D1 MW201D1-20201213 12/13/2020**	**BPS1-TT-MW202D MW202D-20201213 12/13/2020**	**BPS1-TT-MW202D1 MW202D1-20201213 12/13/2020**	**BPS1-TT-MW203D MW203D-20201213 12/13/2020**
VOLATILES (UG/L)								
1,1,1-TRICHLOROETHANE	0.25 U	0.25 U	6.5	0.25 U	0.25 U	0.29 J	0.25 U	0.92 J
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.25 U	0.25 U	0.36 J	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2-TRICHLOROTRIFLUOROETHANE	0.5 U	0.5 U	3.9	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHANE	0.5 U	0.5 U	4	0.5 U	0.5 U	2	0.77 J	2.8
1,1-DICHLOROETHENE	0.5 U	0.5 U	36.7	0.5 U	0.5 U	0.97 J	0.5 U	1.7
1,2-DICHLOROBENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.57 J	0.34 J	0.5 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	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	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	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	2.5 U	2.5 U
2-HEXANONE	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	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	2.5 U	2.5 U
ACETONE	2.5 U	5 U	1.2 J	2.3 J	2.4 J	1.4 J	1 J	2.5 U
BENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
BROMODICHLOROMETHANE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
BROMOFORM	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOMETHANE	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
CARBON DISULFIDE	0.5 U	0.5 U	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	0.5 U	0.5 U
CHLOROBENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
CHLOROFORM	0.5 U	0.5 U	4.1	0.5 U	0.5 U	0.43 J	0.86 J	0.62 J
CHLOROMETHANE	0.75 U	0.35 J	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
CIS-1,2-DICHLOROETHENE	0.75 U	0.75 U	3	0.75 U	0.75 U	6.4	6.9	3.7
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DICHLORODIFLUOROMETHANE	0.5 U	0.5 U	9.3	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
M+P-XYLENES	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.59 J	0.35 J	0.25 U
METHYLENE CHLORIDE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
STYRENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TETRACHLOROETHENE	0.5 U	0.5 U	120	0.36 J	0.49 J	12.6	2	0.86 J
TOLUENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TRICHLOROETHENE	0.75 U	0.75 U	130	3.1 J	1.9 J	39.1	4.4	20.3
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	--	0.5 U	0.5 U	1.4	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	0.5 U	0.5 U
METHOD 8270D (UG/L)								
1,4-DIOXANE	0.1 U	0.1 UJ	6.8	0.1 U	0.1 U	0.69	0.21	0.4
METHOD 8260 SIM (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
METHOD 522 (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
FIELD (C)								
TEMPERATURE (C)	13.65	13.11	15.83	--	15.21	15.07	16.21	15.11
DISSOLVED OXYGEN (MG/L)	0	0.47	0.17	--	8.19	5.1	0.66	2.59
SPECIFIC CONDUCTANCE (MS/CM)	0.208	0.046	0.241	--	0.084	0.451	0.191	0.27
OXIDATION REDUCTION POTENTIAL (MV)	30	97	250	--	337	367	205	310
TURBIDITY (NTU)	37.8	48.4	234	--	1.17	0.27	2.98	0.34
SALINITY (PPT)	0.1	0	0.1	--	0.04	0.22	0.1	0.1
PH	5.83	5.01	5.11	--	5.4	5.05	5.79	4.71

J = Estimated value.
U = Non-detect.

Q4, 2020 (December) Validated Analytical Data
Navy OU2 Groundwater Sampling
Naval Weapons Industrial Reserve Plant Bethpage

LOCATION SAMPLE ID SAMPLE DATE	**BPS1-TT-MW203D1 MW203D1-20201213 12/13/2020**	**BPS1-TT-MW203D2 MW203D2-20201213 12/13/2020**	**BP-TT-MW179D MW179D-20201214 12/14/2020**	**BP-TT-MW179D1 MW179D1-20201214 12/14/2020**	**BP-TT-MW179D2 MW179D2-20201214 12/14/2020**	**BP-TT-MW180D TT180D-20201214 12/14/2020**	**BP-TT-MW180D1 TT180D1-20201214 12/14/2020**	**BP-TT-MW180D2 TT180D2-20201214 12/14/2020**
VOLATILES (UG/L)								
1,1,1-TRICHLOROETHANE	2.7	0.25 U	0.25 U	0.25 U	0.67 J	0.25 U	0.25 U	1.8
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.1	0.87 J
1,1,2-TRICHLOROTRIFLUOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.45 J	3.9	27.7
1,1-DICHLOROETHANE	16.4	2	0.5 U	0.5 U	0.9 J	0.66 J	0.56 J	1.8
1,1-DICHLOROETHENE	6.4	0.52 J	0.5 U	0.5 U	2.7	0.5 U	2.4	17
1,2-DICHLOROBENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,2-DICHLOROETHANE	0.5 U	0.21 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.42 J
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	0.5 U	1.2	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	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	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	2.5 U	2.5 U
2-HEXANONE	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	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	2.5 U	2.5 U
ACETONE	3.1 J	3.2 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
BENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
BROMODICHLOROMETHANE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
BROMOFORM	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOMETHANE	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
CARBON DISULFIDE	0.5 U	0.5 U	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	0.52 J	1.6
CHLOROBENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
CHLOROFORM	0.9 J	0.22 J	0.5 U	0.25 J	0.5 U	0.5 U	1.3	0.72 J
CHLOROMETHANE	0.75 U	0.52 J	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
CIS-1,2-DICHLOROETHENE	0.72 J	0.48 J	32.5	18.1	37.2	0.75 U	1.7	2.3
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DICHLORODIFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.55 J	0.37 J
ETHYLBENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
M+P-XYLENES	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.33 J	0.25 U	0.45 J	0.26 J	0.25 U	0.25 U	0.25 U	0.25 U
METHYLENE CHLORIDE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
STYRENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TETRACHLOROETHENE	1.3	0.5 U	17.7	10.5	24	0.5 U	0.5 U	0.54 J
TOLUENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	0.32 J	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TRICHLOROETHENE	5.9	1.1	110	140	310	2.4	240	240
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.57 J
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHOD 8270D (UG/L)								
1,4-DIOXANE	1.8	0.73	0.14	0.69	0.99	0.26	1.8	4.3
METHOD 8260 SIM (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
METHOD 522 (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
FIELD (C)								
TEMPERATURE (C)	15.62	15.51	14.25	14.25	13.96	14.16	13.61	13.09
DISSOLVED OXYGEN (MG/L)	1.98	4.41	1.67	1.21	1.65	0	0	1.52
SPECIFIC CONDUCTANCE (MS/CM)	0.27	0.223	0.411	0.229	0.198	0.211	0.073	0.095
OXIDATION REDUCTION POTENTIAL (MV)	325	265	213	208	179	263	216	255
TURBIDITY (NTU)	0.35	0.43	35.2	40.4	14.4	6.72	21.3	11.61
SALINITY (PPT)	0.1	0.1	0.19	0.1	0.1	0.09	0.03	0
PH	4.66	5.3	6.49	5.62	5.53	5.38	5.11	5

J = Estimated value.
U = Non-detect.

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LOCATION SAMPLE ID SAMPLE DATE	**BP-TT-MW181S TT181S-20201215 12/15/2020**	**RE103D1 RE103D1-20201209 12/09/2020**	**RE103D2 RE103D2-20201209 12/09/2020**	**RE103D3 RE103D3-20201209 12/09/2020**	**RE104D1 RE104D1-20201209 12/09/2020**	**RE104D2 RE104D2-20201209 12/09/2020**	**RE104D3 RE104D3-20201209 12/09/2020**	**RE105D1 RE105D1-20201208 12/08/2020**
VOLATILES (UG/L)								
1,1,1-TRICHLOROETHANE	0.42 J	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.25 U	0.31 J	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2-TRICHLOROTRIFLUOROETHANE	0.5 U	4	2.7 J	4.5	0.95 J	0.5 U	0.5 U	5.5
1,1-DICHLOROETHANE	0.81 J	0.5 U	5 U	0.5 U	0.5 U	0.86 J	0.5 U	0.5 U
1,1-DICHLOROETHENE	0.66 J	2.3	5 U	0.44 J	0.5 U	0.64 J	0.5 U	0.92 J
1,2-DICHLOROBENZENE	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.93 J	0.5 U	0.5 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	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	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	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	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-HEXANONE	3.8 U	3.8 U	37.5 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	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
ACETONE	2.5 U	2.5 U	25 U	2.5 U	2.5 U	1.6 J	2.5 U	2.5 U
BENZENE	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
BROMODICHLOROMETHANE	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
BROMOFORM	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOMETHANE	3.8 U	3.8 U	37.5 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
CARBON DISULFIDE	0.5 U	0.5 U	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	5 U	0.27 J	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROETHANE	0.75 U	0.75 U	7.5 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
CHLOROFORM	0.56 J	0.33 J	5 U	0.42 J	0.5 U	2.1	0.5 U	0.21 J
CHLOROMETHANE	0.75 U	0.75 U	7.5 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
CIS-1,2-DICHLOROETHENE	1.1	1.3	7.5 U	0.8 J	0.34 J	17.7	0.75 U	1.2
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DICHLORODIFLUOROMETHANE	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.47 J
ETHYLBENZENE	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
ISOPROPYLBENZENE	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
M+P-XYLENES	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.35 J	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
METHYLENE CHLORIDE	0.75 U	0.75 U	7.5 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
O-XYLENE	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
STYRENE	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TETRACHLOROETHENE	0.79 J	4.9	5 U	1.1	2.5	0.5 U	0.5 U	0.5 U
TOLUENE	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TRICHLOROETHENE	1.6	510	440	450	38.1	99.2	0.75 U	80.4
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	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	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHOD 8270D (UG/L)								
1,4-DIOXANE	0.41	4.8	0.46	0.4	2.5	1.6	0.1 U	3.1
METHOD 8260 SIM (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
METHOD 522 (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
FIELD (C)								
TEMPERATURE (C)	13.12	14.43	12.25	13.72	11.75	11.86	12.92	10.59
DISSOLVED OXYGEN (MG/L)	0.79	1.92	3.39	3.41	5.22	3.87	4.09	0.31
SPECIFIC CONDUCTANCE (MS/CM)	0.395	0.103	0.033	0.038	0.082	0.029	0.011	0.122
OXIDATION REDUCTION POTENTIAL (MV)	136	304	284	365	345	327	308	344
TURBIDITY (NTU)	21.3	0.39	0.58	0.49	0.9	0.36	1.79	0.44
SALINITY (PPT)	0.1	0.05	0.01	0	0	0	0	0.06
PH	5.97	5.18	5.15	3.63	4.55	4.32	4.71	4.77

J = Estimated value.
U = Non-detect.

Q4, 2020 (December) Validated Analytical Data
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LOCATION SAMPLE ID SAMPLE DATE	**RE105D2** **RE105D2-20201208** **12/08/2020**	**RE108D1** **RE108D1-20201208** **12/08/2020**	**RE108D2** **RE108D2-20201208** **12/08/2020**	**RE109D1** **RE109D1-20201211** **12/11/2020**	**RE109D2** **RE109D2-20201211** **12/11/2020**	**RE109D3** **RE109D3-20201211** **12/11/2020**	**RE117D1** **RE117D1-20201208** **12/08/2020**	**RE117D1** **RE117D1-20201208-D** **12/08/2020**
VOLATILES (UG/L)								
1,1,1-TRICHLOROETHANE	5 U	0.25 U	5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2,2-TETRACHLOROETHANE	10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	5 U	0.25 U	5 U	0.25 U	0.25 U	0.25 U	0.36 J	0.34 J
1,1,2-TRICHLOROTRIFLUOROETHANE	21.9	0.59 J	10 U	0.58 J	1.2	2.1	0.5 U	0.5 U
1,1-DICHLOROETHANE	10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	9.1 J	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.38 J	0.5 U
1,2-DICHLOROBENZENE	5 U	0.25 U	5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,2-DICHLOROETHANE	10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROPROPANE	10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-DICHLOROBENZENE	10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-DICHLOROBENZENE	10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-BUTANONE	50 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-HEXANONE	75 U	3.8 U	75 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
4-METHYL-2-PENTANONE	50 U	2.5 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
ACETONE	50 U	2.5 U	50 U	5 U	5 U	5 U	2.5 U	2.5 U
BENZENE	5 U	0.25 U	5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
BROMODICHLOROMETHANE	5 U	0.25 U	5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
BROMOFORM	10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOMETHANE	75 U	3.8 U	75 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
CARBON DISULFIDE	10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CARBON TETRACHLORIDE	4.7 J	0.5 U	10 U	0.5 U	0.29 J	0.48 J	0.98 J	0.97 J
CHLOROBENZENE	5 U	0.25 U	5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
CHLORODIBROMOMETHANE	10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROETHANE	15 U	0.75 U	15 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
CHLOROFORM	10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.26 J	0.25 J
CHLOROMETHANE	15 U	0.75 U	15 U	0.75 U	0.75 U	0.34 J	0.75 U	0.75 U
CIS-1,2-DICHLOROETHENE	15 U	0.75 U	6.1 J	0.75 U	0.75 U	0.45 J	0.6 J	0.6 J
CIS-1,3-DICHLOROPROPENE	10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DICHLORODIFLUOROMETHANE	10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	5 U	0.25 U	5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
ISOPROPYLBENZENE	10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
M+P-XYLENES	10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL CYCLOHEXANE	10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	5 U	0.25 U	5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
METHYLENE CHLORIDE	15 U	0.75 U	15 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
O-XYLENE	10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
STYRENE	5 U	0.25 U	5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TETRACHLOROETHENE	10 U	1.9	10 U	0.84 J	0.52 J	0.72 J	0.5 U	0.5 U
TOLUENE	5 U	0.25 U	5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TRANS-1,2-DICHLOROETHENE	10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	5 U	0.25 U	5 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TRICHLOROETHENE	2200	35.4	2900	18.3	32.6	52	72.5	71.8
TRICHLOROFLUOROMETHANE	10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
VINYL CHLORIDE	10 U	0.5 U	10 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHOD 8270D (UG/L)								
1,4-DIOXANE	4	3.3	2.6	3.2	3.3	4.3	0.11 J	0.17 J
METHOD 8260 SIM (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
METHOD 522 (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
FIELD (C)								
TEMPERATURE (C)	14.25	13.93	9.5	14.11	14.39	14.49	12.48	--
DISSOLVED OXYGEN (MG/L)	3.7	5.91	3.75	4.91	4.55	1.91	3.33	--
SPECIFIC CONDUCTANCE (MS/CM)	0.074	0.094	0.095	0.107	0.095	0.076	0.028	--
OXIDATION REDUCTION POTENTIAL (MV)	389	380	313	270	309	261	268	--
TURBIDITY (NTU)	0.22	0.18	0.55	42.66	33.8	23.7	30.53	--
SALINITY (PPT)	0.03	0.04	0.04	0.1	0.04	0	0.01	--
PH	4.37	4.25	4.86	4.76	4.85	4.99	4.78	--

J = Estimated value.
U = Non-detect.

Q4, 2020 (December) Validated Analytical Data
Navy OU2 Groundwater Sampling
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LOCATION SAMPLE ID SAMPLE DATE	**RE117D2** **RE117D2-20201208** **12/08/2020**	**RE120D1** **RE120D1-20201210** **12/10/2020**	**RE120D2** **RE120D2-20201210** **12/10/2020**	**RE120D3** **RE120D3-20201210** **12/10/2020**	**RE122D1** **RE122D1-20201209** **12/09/2020**	**RE122D1** **RE122D1-20201209-D** **12/09/2020**	**RE122D2** **RE122D2-20201209** **12/09/2020**	**RE122D3** **RE122D3-20201209** **12/09/2020**
VOLATILES (UG/L)								
1,1,1-TRICHLOROETHANE	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	12.5 U	0.25 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	25 U	0.5 U
1,1,2-TRICHLOROETHANE	0.25 U	2.5 U	0.33 J	0.25 U	0.25 U	2.5 U	12.5 U	0.25 U
1,1,2-TRICHLOROTRIFLUOROETHANE	0.5 U	13.5	19.7	0.84 J	2.9	2.4 J	14.5 J	0.5 U
1,1-DICHLOROETHANE	0.5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	25 U	0.5 U
1,1-DICHLOROETHENE	0.5 U	10.1	1.9	0.5 U	0.84 J	5 U	25 U	0.5 U
1,2-DICHLOROBENZENE	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	12.5 U	0.25 U
1,2-DICHLOROETHANE	0.5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	25 U	0.5 U
1,2-DICHLOROPROPANE	0.5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	25 U	0.5 U
1,3-DICHLOROBENZENE	0.5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	25 U	0.5 U
1,4-DICHLOROBENZENE	0.5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	25 U	0.5 U
2-BUTANONE	2.5 U	25 U	1 J	2.5 UJ	2.5 U	25 U	130 U	2.5 U
2-HEXANONE	3.8 U	37.5 U	3.8 U	3.8 U	3.8 U	37.5 U	190 U	3.8 U
4-METHYL-2-PENTANONE	2.5 U	25 U	2.5 U	2.5 UJ	2.5 U	25 U	130 U	2.5 U
ACETONE	2.5 U	25 U	3.9 J	4.1 J	1.3 J	25 U	130 U	2.5 U
BENZENE	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	12.5 U	0.25 U
BROMODICHLOROMETHANE	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	12.5 U	0.25 U
BROMOFORM	0.5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	25 U	0.5 U
BROMOMETHANE	3.8 U	37.5 U	3.8 U	3.8 U	3.8 U	37.5 U	190 UJ	3.8 U
CARBON DISULFIDE	0.5 U	5 U	0.5 U	0.5 UJ	0.5 U	5 U	25 U	0.5 U
CARBON TETRACHLORIDE	0.5 U	5 U	0.59 J	0.5 U	0.4 J	5 U	25 U	0.5 U
CHLOROBENZENE	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	12.5 U	0.25 U
CHLORODIBROMOMETHANE	0.5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	25 U	0.5 U
CHLOROETHANE	0.75 U	7.5 U	0.75 U	0.75 U	0.75 U	7.5 U	37.5 U	0.75 U
CHLOROFORM	0.5 U	5 U	0.53 J	0.5 U	0.4 J	5 U	25 U	0.5 U
CHLOROMETHANE	0.75 U	7.5 U	0.33 J	0.88 J	0.75 U	7.5 U	37.5 U	0.75 U
CIS-1,2-DICHLOROETHENE	0.75 U	3 J	2.8	0.75 U	2	7.5 U	37.5 U	0.75 U
CIS-1,3-DICHLOROPROPENE	0.5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	25 U	0.5 U
DICHLORODIFLUOROMETHANE	0.5 U	5 U	0.32 J	0.5 U	0.5 U	5 U	25 U	0.5 U
ETHYLBENZENE	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	12.5 U	0.25 U
ISOPROPYLBENZENE	0.5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	25 U	0.5 U
M+P-XYLENES	0.5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	25 U	0.5 U
METHYL CYCLOHEXANE	0.5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	25 U	0.5 U
METHYL TERT-BUTYL ETHER	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	12.5 U	0.25 U
METHYLENE CHLORIDE	0.75 U	7.5 U	0.75 U	0.75 U	0.75 U	7.5 U	37.5 U	0.75 U
O-XYLENE	0.5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	25 U	0.5 U
STYRENE	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	12.5 U	0.25 U
TETRACHLOROETHENE	0.5 U	4 J	3.9	0.5 U	1.8	5 U	25 U	0.5 U
TOLUENE	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	12.5 U	0.25 U
TRANS-1,2-DICHLOROETHENE	0.5 U	5 U	0.5 U	0.5 U	0.35 J	5 U	25 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	2.5 U	12.5 U	0.25 U
TRICHLOROETHENE	0.34 J	820	440	22.7	350 U	360	4100	1.5
TRICHLOROFLUOROMETHANE	0.5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	25 U	0.5 U
VINYL CHLORIDE	0.5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	25 U	0.5 U
METHOD 8270D (UG/L)								
1,4-DIOXANE	0.1 U	5.2	5.1	0.13	2.5 J	3.8 J	4.2 J	0.1 UJ
METHOD 8260 SIM (UG/L)								
1,4-DIOXANE	--	19	15	1.5 U	--	--	--	--
METHOD 522 (UG/L)								
1,4-DIOXANE	--	23 J	16 J	0.64 J	--	--	--	--
FIELD (C)								
TEMPERATURE (C)	12.82	15.18	15.27	15.06	11.18	--	12.39	12.5
DISSOLVED OXYGEN (MG/L)	0	2.42	5.97	1.55	4.47	--	3.29	1.97
SPECIFIC CONDUCTANCE (MS/CM)	0.026	0.122	0.079	0.03	0.107	--	0.112	0.019
OXIDATION REDUCTION POTENTIAL (MV)	222	344	344	288	323	--	327	381
TURBIDITY (NTU)	17.2	0.52	0.16	0.22	0.3	--	0.77	2.73
SALINITY (PPT)	0.01	0.06	0.04	0	0.05	--	0.1	0.01
PH	3.89	4.87	4.95	4.54	5.13	--	4.22	4.24

J = Estimated value.
U = Non-detect.

Q4, 2020 (December) Validated Analytical Data
Navy OU2 Groundwater Sampling
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LOCATION SAMPLE ID SAMPLE DATE	**RE123D1** **RE123D1-20201214** **12/14/2020**	**RE123D2** **RE123D2-20201214** **12/14/2020**	**RE123D3** **RE123D3-20201214** **12/14/2020**	**RE125D1** **RE125D1-20201210** **12/10/2020**	**RE125D2** **RE125D2-20201210** **12/10/2020**	**RE125D2** **RE125D2-20201210-D** **12/10/2020**	**RE125D3** **RE125D3-20201210** **12/10/2020**	**RE126D1** **RE126D1-20201208** **12/08/2020**
VOLATILES (UG/L)								
1,1,1-TRICHLOROETHANE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.3 U	0.25 U	0.25 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.25 U	0.25 U	0.25 U	0.25 U	0.43 J	1.3 U	0.25 U	0.25 U
1,1,2-TRICHLOROTRIFLUOROETHANE	0.5 U	0.5 U	0.5 U	10.9	18.7	15	82.4 J	0.26 J
1,1-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	1.5	0.75 J	2.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	2.4	5.7	3.6 J	0.5 U	0.5 U
1,2-DICHLOROBENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.3 U	0.25 U	0.25 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.24 J	0.29 J	2.5 U	0.5 U	0.5 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 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	2.5 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	2.5 U	0.5 U	0.5 U
2-BUTANONE	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	12.5 U	2.5 UJ	2.5 U
2-HEXANONE	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	18.8 U	3.8 U	3.8 U
4-METHYL-2-PENTANONE	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	12.5 U	2.5 UJ	2.5 U
ACETONE	2.5 U	2.5 U	2.5 U	2.5 U	4 J	12.5 U	1.4 J	2.5 U
BENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.3 U	0.25 U	0.25 U
BROMODICHLOROMETHANE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.3 U	0.25 U	0.25 U
BROMOFORM	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U
BROMOMETHANE	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	18.8 U	3.8 U	3.8 U
CARBON DISULFIDE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	2.5 U	0.5 UJ	0.5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.53 J	2.5 U	0.42 J	0.5 U
CHLOROBENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.3 U	0.25 U	0.25 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U
CHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	3.8 U	0.75 U	0.75 U
CHLOROFORM	0.5 U	0.5 U	0.5 U	0.74 J	0.51 J	2.5 U	0.3 J	0.5 U
CHLOROMETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	3.8 U	0.75 U	0.75 U
CIS-1,2-DICHLOROETHENE	0.75 U	0.75 U	0.75 U	4.1	4.6	4 J	0.75 U	0.75 U
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U
DICHLORODIFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.41 J	0.6 J	2.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.3 U	0.25 U	0.25 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U
M+P-XYLENES	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.25 U	0.25 U	0.25 U	0.42 J	0.25 U	1.3 U	0.25 U	0.25 U
METHYLENE CHLORIDE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	3.8 U	0.75 U	0.75 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U
STYRENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.3 U	0.25 U	0.25 U
TETRACHLOROETHENE	0.5 U	1.6	0.5 U	9	6.1	5.1	7.2	1.4
TOLUENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.3 U	0.25 U	0.25 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	1.3 U	0.25 U	0.25 U
TRICHLOROETHENE	5.7	2.4	0.69 J	210	280 J	280	140	1.8
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.27 J	2.5 U	0.5 U	0.5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U
METHOD 8270D (UG/L)								
1,4-DIOXANE	1.4	0.59	0.1 U	4.5 J	5.9 J	9.1 J	2 J	0.14
METHOD 8260 SIM (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
METHOD 522 (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
FIELD (C)								
TEMPERATURE (C)	12.96	14.14	13.39	13.66	13.67	--	13.7	14.45
DISSOLVED OXYGEN (MG/L)	3.29	8.58	0.57	1.53	2.58	--	6.29	9.35
SPECIFIC CONDUCTANCE (MS/CM)	0.107	0.04	0.045	0.162	0.103	--	0.055	0.032
OXIDATION REDUCTION POTENTIAL (MV)	243	284	111	335	301	--	343	321
TURBIDITY (NTU)	1.27	0.26	0.4	0.44	0.18	--	0.51	2.29
SALINITY (PPT)	0.05	0	0	0.1	0	--	0.02	0
PH	5.5	4.16	4.35	4.08	4.57	--	4.68	4.17

J = Estimated value.
U = Non-detect.

Q4, 2020 (December) Validated Analytical Data
Navy OU2 Groundwater Sampling
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LOCATION SAMPLE ID SAMPLE DATE	**RE126D2 RE126D2-20201209 12/09/2020**	**RE126D3 RE126D3-20201209 12/09/2020**	**RE131D1 RE131D1-20201211 12/11/2020**	**RE131D2 RE131D2-20201211 12/11/2020**	**RE131D3 RE131D3-20201211 12/11/2020**	**RE132D1 RE132D1-20201207 12/07/2020**	**RE132D2 RE132D2-20201207 12/07/2020**	**RE132D3 RE132D3-20201207 12/07/2020**
VOLATILES (UG/L)								
1,1,1-TRICHLOROETHANE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2-TRICHLOROTRIFLUOROETHANE	0.6 J	0.5 U	4.1	200	270	6.3	3.7	4.1
1,1-DICHLOROETHANE	1.1	0.5 U	0.5 U	0.5 U	0.5 U	0.75 J	0.5 U	0.5 U
1,1-DICHLOROETHENE	1.3	0.5 U	0.86 J	2.2	1.9	1.3	0.4 J	0.58 J
1,2-DICHLOROBENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.36 J	0.5 U	0.31 J	0.5 U	0.5 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	0.5 U	0.41 J	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	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	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	2.5 U	2.5 U
2-HEXANONE	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	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	2.5 U	2.5 U
ACETONE	0.97 J	2.5 U	5 U	2.5 U	5 U	2.5 U	2.5 U	5 U
BENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
BROMODICHLOROMETHANE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
BROMOFORM	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOMETHANE	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
CARBON DISULFIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CARBON TETRACHLORIDE	0.61 J	0.5 U	0.5 U	0.29 J	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
CHLOROFORM	0.32 J	0.5 U	1.4	0.38 J	0.5 U	2.1	0.5 U	0.2 J
CHLOROMETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
CIS-1,2-DICHLOROETHENE	1.1	0.75 U	4.1	4.7	0.77 J	2	0.55 J	0.99 J
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DICHLORODIFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.36 J	0.5 U	0.43 J	1.6	0.73 J
ETHYLBENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
M+P-XYLENES	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.25 U	0.25 U	0.76 J	0.25 U	0.25 U	1.7	0.25 U	0.25 U
METHYLENE CHLORIDE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
STYRENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TETRACHLOROETHENE	0.71 J	1.2	14	13.3	7.2	3.5	0.5 U	2
TOLUENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TRICHLOROETHENE	400	1.5	200	110	18.1	120	3.1	76.5
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	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	0.5 U	0.5 U
METHOD 8270D (UG/L)								
1,4-DIOXANE	2.4 J	0.21 J	7.1	6.7	2	2.5	4.6	4.3
METHOD 8260 SIM (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
METHOD 522 (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
FIELD (C)								
TEMPERATURE (C)	13.47	14.36	14.58	14.06	14.58	15.04	15.19	14.14
DISSOLVED OXYGEN (MG/L)	5.02	7.26	3.86	5.89	3.86	0	0	0
SPECIFIC CONDUCTANCE (MS/CM)	0.115	0.024	0.045	0.088	0.045	0.238	0.103	0.106
OXIDATION REDUCTION POTENTIAL (MV)	292	291	281	341	281	348	0	327
TURBIDITY (NTU)	0.41	2.27	0.99	0.33	0.99	0.38	1.93	9.98
SALINITY (PPT)	0.1	0.01	0	0.04	0	0.11	0	0
PH	4.49	5.3	5.02	5.09	5.02	4.38	4.07	4.55

J = Estimated value.
U = Non-detect.

Q4, 2020 (December) Validated Analytical Data
Navy OU2 Groundwater Sampling
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LOCATION SAMPLE ID SAMPLE DATE	**RE132D4 RE132D4-20201207 12/07/2020**	**RE132D5 RE132D5-20201207 12/07/2020**	**RE132D6 RE132D6-20201207 12/07/2020**	**RE132D7 RE132D7-20201207 12/07/2020**	**RE134D1 RE134D1-20201207 12/07/2020**	**RE134D1 RE134D1-20201207-D 12/07/2020**	**RE134D2 RE134D2-20201208 12/08/2020**	**RE134D3 RE134D3-20201208 12/08/2020**
VOLATILES (UG/L)								
1,1,1-TRICHLOROETHANE	0.25 U	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.21 J	0.44 J	1.2	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2-TRICHLOROTRIFLUOROETHANE	6.9	11.8	32.3	18.7	0.5 U	0.5 U	20.5	550
1,1-DICHLOROETHANE	0.5 U	0.68 J	1.9	5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	1.3	2.5	11.2	5.5 J	0.5 U	0.5 U	0.53 J	3.9
1,2-DICHLOROBENZENE	0.25 U	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U
1,2-DICHLOROETHANE	0.5 U	0.26 J	0.37 J	5 U	0.5 U	0.5 U	0.5 U	0.35 J
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.53 J
1,3-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	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	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	25 U	2.5 U	2.5 U	2.5 U	2.5 U
2-HEXANONE	3.8 U	3.8 U	3.8 U	37.5 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	25 U	2.5 U	2.5 U	2.5 U	2.5 U
ACETONE	2.5 U	2.5 U	2.5 U	25 U	2.5 UJ	2.5 U	2.5 U	2.5 U
BENZENE	0.25 U	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U
BROMODICHLOROMETHANE	0.25 U	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U
BROMOFORM	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOMETHANE	3.8 U	3.8 U	3.8 U	37.5 U	3.8 U	3.8 U	3.8 U	3.8 U
CARBON DISULFIDE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
CARBON TETRACHLORIDE	0.37 J	0.94 J	1.3	5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	0.25 U	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROETHANE	0.75 U	0.75 U	0.75 U	7.5 U	0.75 U	0.75 U	0.75 U	0.75 U
CHLOROFORM	0.33 J	0.89 J	1.2	5 U	0.25 J	0.24 J	0.5 U	0.33 J
CHLOROMETHANE	0.75 U	0.75 U	0.75 U	7.5 U	0.75 U	0.75 U	0.75 U	0.75 U
CIS-1,2-DICHLOROETHENE	2.3	1.8	3.7	7.5 U	0.75 U	0.75 U	1.7	2.4
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
DICHLORODIFLUOROMETHANE	0.56 J	1.1	0.43 J	5 U	0.5 U	0.5 U	0.5 U	0.34 J
ETHYLBENZENE	0.25 U	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
M+P-XYLENES	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.25 U	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U
METHYLENE CHLORIDE	0.75 U	0.75 U	0.75 U	7.5 U	0.75 U	0.75 U	0.75 U	0.75 U
O-XYLENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
STYRENE	0.25 U	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U
TETRACHLOROETHENE	5.5	0.5 U	3.7	5 U	0.7 J	0.66 J	14.9	51.5
TOLUENE	0.25 U	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.25 U	0.25 U	0.25 U	2.5 U	0.25 U	0.25 U	0.25 U	0.25 U
TRICHLOROETHENE	220	150	1500	880	5.3	5.1	100	140
TRICHLOROFLUOROMETHANE	0.25 J	0.5 U	0.5 U	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	5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHOD 8270D (UG/L)								
1,4-DIOXANE	4.8	4.4	4.6	1.6	0.43 J	0.32 J	5.4	6.9
METHOD 8260 SIM (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
METHOD 522 (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
FIELD (C)								
TEMPERATURE (C)	14.38	14.77	13.99	14.16	14.29	--	13.31	11.68
DISSOLVED OXYGEN (MG/L)	3.03	0	8.35	10.68	10.76	--	5.03	1.91
SPECIFIC CONDUCTANCE (MS/CM)	0.11	0.112	0.079	0.053	0.269	--	0.089	0.083
OXIDATION REDUCTION POTENTIAL (MV)	395	234	342	296	297	--	359	331
TURBIDITY (NTU)	1.13	18.5	0.83	5.16	3.05	--	3.33	8.28
SALINITY (PPT)	0.05	0.05	0.04	0.02	0.13	--	0	0
PH	4.32	5.39	4.92	4.94	5	--	4.11	4.72

J = Estimated value.
U = Non-detect.

Q4, 2020 (December) Validated Analytical Data
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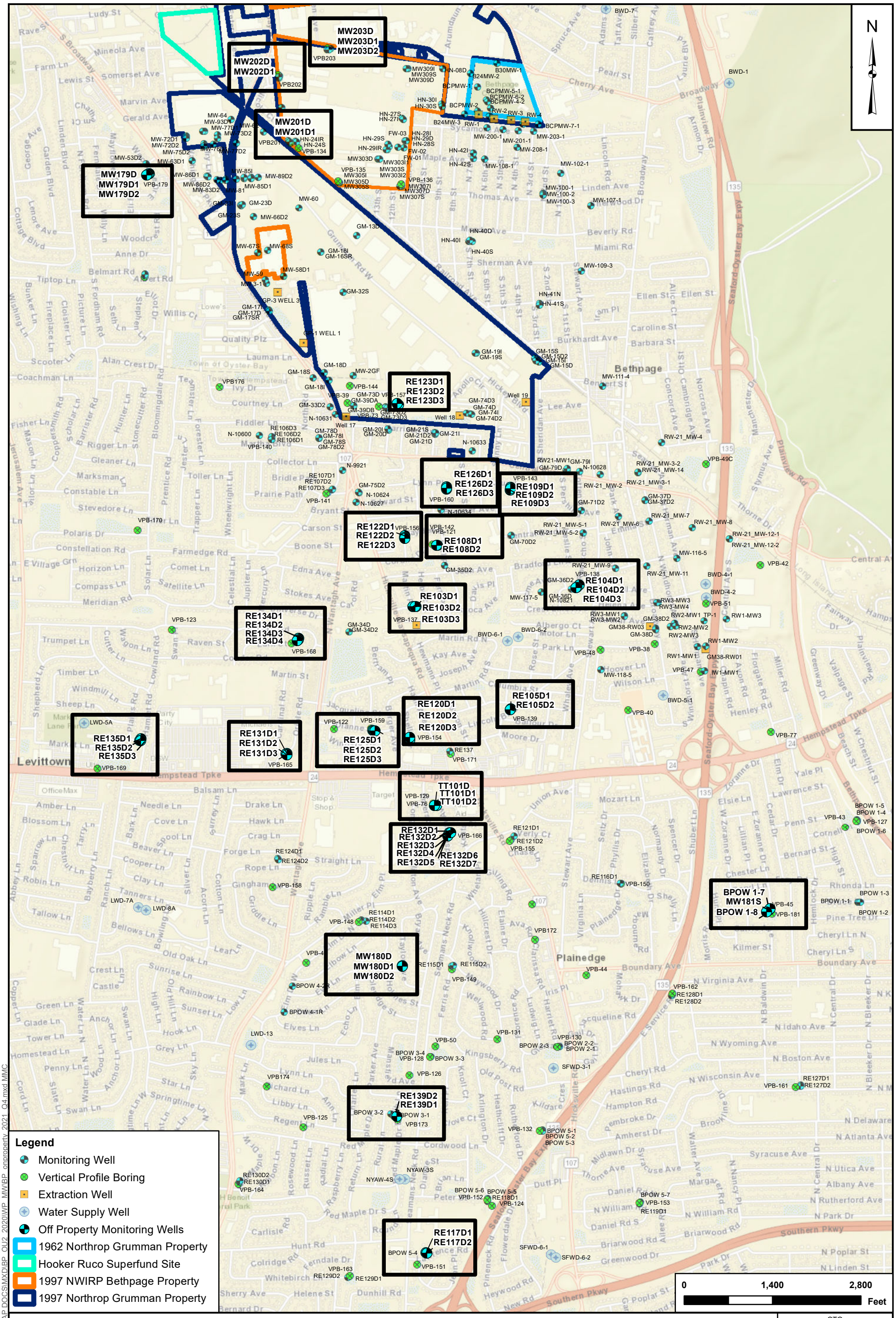
LOCATION SAMPLE ID SAMPLE DATE	**RE134D4 RE134D4-20201208 12/08/2020**	**RE135D1 RE135D1-20201208 12/08/2020**	**RE135D2 RE135D2-20201211 12/11/2020**	**RE135D3 RE135D3-20201208 12/08/2020**	**RE139D1 RE139D1-20201214 12/14/2020**	**RE139D2 RE139D2-20201214 12/14/2020**	**RE139D2 RE139D2-20201214-D 12/14/2020**	**TT101D TT101D-20201211 12/11/2020**
VOLATILES (UG/L)								
1,1,1-TRICHLOROETHANE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.25 U	0.25 U	0.25 U	0.25 U	0.85 J	0.6 J	0.62 J	0.25 U
1,1,2-TRICHLOROTRIFLUOROETHANE	220	0.78 J	0.5 U	8.3	3.3	1.9	1.9	11.7
1,1-DICHLOROETHANE	0.5 U	0.5 U	0.37 J	0.39 J	0.43 J	0.5 U	0.5 U	0.73 J
1,1-DICHLOROETHENE	1.7	0.5 U	0.5 U	0.64 J	2.4	2.1	2.1	2.3
1,2-DICHLOROBENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.29 J	0.5 U	0.5 U	0.5 U	0.28 J
1,2-DICHLOROPROPANE	0.5 U	0.5 U	1.9	3.3	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	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	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	2.5 U	2.5 U
2-HEXANONE	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	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	2.5 U	2.5 U
ACETONE	2.5 U	5 U	1.7 J	2.5 U	2.5 U	2.5 U	2.5 U	3.5 J
BENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
BROMODICHLOROMETHANE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
BROMOFORM	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOMETHANE	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
CARBON DISULFIDE	0.5 U	0.5 U	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	0.91 J	1.5	1.6	0.5 U
CHLOROBENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
CHLOROFORM	0.5 U	1.4	0.5 U	0.5 U	0.66 J	0.4 J	0.42 J	0.4 J
CHLOROMETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.38 J
CIS-1,2-DICHLOROETHENE	0.91 J	0.75 U	0.75 U	3.5	1.2	1.4	1.4	2.9
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DICHLORODIFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.3
ETHYLBENZENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
M+P-XYLENES	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
METHYLENE CHLORIDE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
STYRENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TETRACHLOROETHENE	12.1	0.5 U	0.5 U	17.5	0.5 U	0.5 U	0.5 U	0.6 J
TOLUENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
TRICHLOROETHENE	24.8	0.51 J	0.75 U	14.4	110	150	150	84.3
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	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	0.5 U	0.5 U
METHOD 8270D (UG/L)								
1,4-DIOXANE	1.7	0.19	0.3	0.34 J	1.2	1 J	0.63 J	4.5
METHOD 8260 SIM (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
METHOD 522 (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
FIELD (C)								
TEMPERATURE (C)	13.03	13.22	13.55	11.21	12.69	13.71	--	15.06
DISSOLVED OXYGEN (MG/L)	6.17	0	6.18	6.16	0	4.13	--	0.38
SPECIFIC CONDUCTANCE (MS/CM)	0.062	0.094	0.125	0.081	0.058	0.044	--	0.121
OXIDATION REDUCTION POTENTIAL (MV)	344	360	374	320	317	420	--	313
TURBIDITY (NTU)	9.01	16.2	2.77	9.68	4.98	1.65	--	0.22
SALINITY (PPT)	0	0	0.06	0	0	0.02	--	0.1
PH	3.55	4.46	4.76	4.15	4.93	4.05	--	3.87

J = Estimated value.
U = Non-detect.

Q4, 2020 (December) Validated Analytical Data
Navy OU2 Groundwater Sampling
Naval Weapons Industrial Reserve Plant Bethpage

LOCATION SAMPLE ID SAMPLE DATE	**TT101D1** **TT101D1-20201211** **12/11/2020**	**TT101D2** **TT101D2-20201211** **12/11/2020**	**TT101D2** **TT101D2-20201211-D** **12/11/2020**
VOLATILES (UG/L)			
1,1,1-TRICHLOROETHANE	0.51 J	1.3 U	0.25 U
1,1,2,2-TETRACHLOROETHANE	0.5 U	2.5 U	0.5 U
1,1,2-TRICHLOROETHANE	0.55 J	1.3 U	0.82 J
1,1,2-TRICHLOROTRIFLUOROETHANE	19.6	20.5	25.3
1,1-DICHLOROETHANE	1.2	2.5 U	1.2
1,1-DICHLOROETHENE	7.7	6.4	6.2
1,2-DICHLOROBENZENE	0.25 U	1.3 U	0.25 U
1,2-DICHLOROETHANE	0.26 J	2.5 U	0.29 J
1,2-DICHLOROPROPANE	0.5 U	2.5 U	0.5 U
1,3-DICHLOROBENZENE	0.5 U	2.5 U	0.5 U
1,4-DICHLOROBENZENE	0.5 U	2.5 U	0.5 U
2-BUTANONE	2.5 U	12.5 U	2.5 U
2-HEXANONE	3.8 U	18.8 U	3.8 U
4-METHYL-2-PENTANONE	2.5 U	12.5 U	2.5 U
ACETONE	2.9 J	12.5 U	5 U
BENZENE	0.25 U	1.3 U	0.25 U
BROMODICHLOROMETHANE	0.25 U	1.3 U	0.25 U
BROMOFORM	0.5 U	2.5 U	0.5 U
BROMOMETHANE	3.8 U	18.8 U	3.8 U
CARBON DISULFIDE	0.5 U	2.5 U	0.5 U
CARBON TETRACHLORIDE	1.4	1.4 J	1.3
CHLOROBENZENE	0.25 U	1.3 U	0.25 U
CHLORODIBROMOMETHANE	0.5 U	2.5 U	0.5 U
CHLOROETHANE	0.75 U	3.8 U	0.75 U
CHLOROFORM	0.81 J	2.5 U	0.93 J
CHLOROMETHANE	0.31 J	3.8 U	0.75 U
CIS-1,2-DICHLOROETHENE	1.9	2.3 J	2.1
CIS-1,3-DICHLOROPROPENE	0.5 U	2.5 U	0.5 U
DICHLORODIFLUOROMETHANE	0.91 J	2.5 U	0.5 U
ETHYLBENZENE	0.25 U	1.3 U	0.25 U
ISOPROPYLBENZENE	0.5 U	2.5 U	0.5 U
M+P-XYLENES	0.5 U	2.5 U	0.5 U
METHYL CYCLOHEXANE	0.5 U	2.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.25 U	1.3 U	0.25 U
METHYLENE CHLORIDE	0.75 U	3.8 U	0.75 U
O-XYLENE	0.5 U	2.5 U	0.5 U
STYRENE	0.25 U	1.3 U	0.25 U
TETRACHLOROETHENE	0.48 J	2.1 J	2.1
TOLUENE	0.25 U	1.3 U	0.25 U
TRANS-1,2-DICHLOROETHENE	0.5 U	2.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.25 U	1.3 U	0.25 U
TRICHLOROETHENE	250	1100	1200
TRICHLOROFLUOROMETHANE	0.5 U	2.5 U	0.5 U
VINYL CHLORIDE	0.5 U	2.5 U	0.5 U
METHOD 8270D (UG/L)			
1,4-DIOXANE	1.9	0.44 J	2.1 J
METHOD 8260 SIM (UG/L)			
1,4-DIOXANE	--	--	--
METHOD 522 (UG/L)			
1,4-DIOXANE	--	--	--
FIELD (C)			
TEMPERATURE (C)	15.54	15.18	--
DISSOLVED OXYGEN (MG/L)	0	6.74	--
SPECIFIC CONDUCTANCE (MS/CM)	0.095	0.049	--
OXIDATION REDUCTION POTENTIAL (MV)	329	360	--
TURBIDITY (NTU)	0.81	2.58	--
SALINITY (PPT)	0	0.02	--
PH	4.71	4.99	--

J = Estimated value.
U = Non-detect.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MW203D2
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MW202D
MW202D1
VPB202
MW201D
MW201D1
VPB201
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MW179D2
VPB-179
RE123D1
RE123D2
RE123D3
RE126D1
RE126D2
RE126D3
VPB-160
RE109D1
RE109D2
RE109D3
VPB-143
RE122D1
RE122D2
RE122D3
VPB-156
RE108D1
RE108D2
VPB-121
VPB-142
RE104D1
RE104D2
RE104D3
VPB-138
RE103D1
RE103D2
RE103D3
VPB-137
RE134D1
RE134D2
RE134D3
RE134D4
VPB-168
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VPB-139
RE120D1
RE120D2
RE120D3
VPB-154
VPB-122
VPB-159
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RE125D2
RE125D3
RE131D1
RE131D2
RE131D3
VPB-165
LWD-5A
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RE135D2
RE135D3
VPB-169
TT101D
TT101D1
TT101D2
VPB-129
VPB-76
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RE132D2
RE132D3
RE132D4
RE132D5
RE132D6
RE132D7
VPB-166
RE121D1
RE121D2
VPB-155
BPOW 1-7
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BPOW 1-8
VPB-45
VPB-181
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MW180D1
MW180D2
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RE115D2
VPB-149
RE139D2
RE139D1
BPOW 3-2
BPOW 3-1
VPB173
RE117D1
RE117D2
BPOW 5-4
VPB-151
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VPB-125
VPB174
VPB-126
VPB-128
VPB-50
VPB-131
VPB-130
VPB-148
VPB-158
VPB-150
VPB-140
VPB-141
VPB-170
VPB-171
VPB-172
VPB-42
VPB-49C
VPB-51
VPB-77
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RE127D2
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VPB-153
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VPB-164
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RE130D2
VPB-163
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RE129D1
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LWD-8A
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BPOW 1-3
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BPOW 1-2
BPOW 2-3
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BPOW 3-4
BPOW 3-3
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BPOW 5-7
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BPOW 5-3
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BWD-4-2
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MW-76D
MW-53D2
MW-63D1
MW-86D1
MW-86D2
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MW-85D1
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MW-60
GM-23I
GM-23D
GM-23S
MW-66D2
GM-13D
MW-67S
MW-68S
GM-16I
GM-16SR
MW-58D1
MW-59
MW-3-1
GM-32S
GP-3 WELL 3
GM-17I
GM-17D
GM-17SR
GP-1 WELL 1
GM-18D
GM-18S
GM-18I
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GM-33D2
GM-73D
GM-39DA
GM-39DB
GM-73D2
GM-73D3
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Well 17
Well 18
Well 19
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GM-74D2
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GM-78I
GM-78S
GM-78D2
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GM-20D
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GM-21I
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RE106D2
RE106D1
GM-75D2
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N-10634
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RE107D3
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GM-35D2
GM-34D
GM-34D2
GM-36D2
GM-36D
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GM-38D
GM38-RW01
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RW1-MW2
RW1-MW3
RW2-MW1
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RW2-MW2
RW2-MW3
RW3-MW1
RW3-MW2
RW3-MW3
RW3-MW4
NYAW-3S
NYAW-4S
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HN-42S
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HN-40S
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MW305D
MW305S
MW307I
MW307D
MW307S
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VPB-136
GM-19I
GM-19S
GM-15S
GM-15D2
GM-15I
GM-15D
Bethpage
Plainedge
Levittown
Hempstead Tpke
Southern Pkwy
Seaford-Oyster Bay Expy
Broadway
Plainview Rd
Linden Ave
Thomas Ave
Beverly Rd
Miami Rd
Sherman Ave
Burkhardt Ave
Barbara St
Caroline St
Ellen St
Alice Ct
Lee Ave
Cherry Ave
Pearl St
Maple Ave
Sycamore Ave
Woodcrest Dr
Anne Dr
Belmart Rd
Albert Rd
Tiptop Ln
Quality Plz
Lauman Ln
Scooter Ln
Coachman Ln
Alan Crest Dr
Courtney Ln
Fiddler Ln
Rigger Ln
Gleaner Ln
Collector Ln
Marksman Ln
Constable Ln
Prairie Path
Stevedore Ln
Polaris Dr
Constellation Rd
Farmedge Rd
Boone St
Carson St
Bryant St
Edna Ave
Stokes Ave
Meridian Rd
Horizon Ln
Comet Ln
Compass Ln
Satellite Ln
E Village Grn
Trumpet Ln
Raven St
Timber Ln
Windmill Ln
Sheep Ln
Martin St
Martin Rd N
Kay Ave
Joseph Ave
Columbia St
Moore Dr
Wilson Ln
Hoover Ln
Park Ln
Motor Ln
Albergo Ct
Cordwood Ln
Midlawn Dr
Thorne Ave
Syracuse Ave
Hastings Rd
Hampton Rd
Amherst Dr
Kildare Cres
Cheryl Rd
Old Post Rd
Kingsberry Rd
Jules Ln
Elves Ln
Hunt Rd
Carlisle Rd
Whitebirch
Sherry Ave
Helene St
Dunhill Rd
Heywood Rd
New Rd
Greenwood Dr
Briarwood Rd
Daniel Rd S
N William Rd
Duff Pl
Peter
Ped Maple Dr S
Rosewood Ln
Raspberry Ln
Radial Ln
Return Ln
Hewmann Pl
Joseph Ct
Berrtam Pl
Jacqueline Dr
Lynn Pl
Libby Ln
Ann Ln
Regency Ln
Swan Ln
Hook Ln
Grey Ln
Penny Ln
Homestead Ln
Tower Ln
Glade Ln
Green Ln
Sunset Ln
Low Ln
Echo Ln
Hillcrest Dr
Elaine Dr
Ripple Ln
Rambler Ln
Wintage Ln
Gingham
Rope Ln
Straight Ln
Forge Ln
Crag Ln
Beaver Ln
Cooper Ln
Clay Ln
Tanners Ln
Bellows Ln
Old Oak Ln
Leaf Ln
Crest Ln
Castle
Sunrise Ln
Rainbow Ln
Sunset Ln
Tallow Ln
Robin Ln
Abbey Ln
Bayberry Ln
Ranch Ln
Silver Ln
Acorn Ln
Cotton Ln
Griddle Ln
Hook Ln
Amber Ln
Needle Ln
Cove Ln
Blossom Ln
Drake Ln
Hawk Ln
Balsam Ln
Yale Pl
Lawrence St
Elsie Ln
Zoranne Dr
Cedar Dr
Penn St
Cornell
Bernard St
High St
Chester Ln
Rhonda Ln
Pine Tree Dr
Cheryl Ln N
Cheryl Ln S
Kilmer St
Boundary Ave
N Virginia Ave
N Wisconsin Ave
N Boston Ave
N Idaho Ave
N Wyoming Ave
N Delaware
N Atlanta Ave
N Utica Ave
Albany Ave
N Rutherford Ave
N Park Dr
N Poplar St
N Linden St
Syracuse Ave
Brookline Dr
Fairway Dr
Hampshire Dr
Long Island
Central Ave
Mineola Ave
Somerset Ave
Lewis St
Farm Ln
Gerald Ave
Marvin Ave
Chatham Ct
Linden Blvd
Garden Blvd
George Ave
Lenore Ave
Cottage Blvd
Woodcrest Dr
Anne Dr
Belmart Rd
Tiptop Ln
Bunker Ln
Fireplace Ln
Picture Ln
Cloister Ln
Fordham Rd
Seth Ln
Stephen Ln
Elliot Ln
Willis Ct
Wishing Ln
Lowe's
Target
Stop & Shop
OfficeMax
Town of Oyster Bay
Town of Hempstead
Ivy Dr
Apollo Cir
Hicks Blvd
Concord Ave
Norcross Ave
Lincoln Rd
Armon Dr
Plainview Rd
Seaford-Oyster Bay Expy
Grumman Rd W
Railroad Ave
Stewart Ave
Irma Pl
Ellen St
Alice Ct
Caroline St
Burkhardt Ave
Barbara St
Bethpage
Lee Ave
Pearl St
Cherry Ave
Broadway
Plainview Rd
Armon Dr
Lincoln Rd
Linden Ave
Thomas Ave
Beverly Rd
Miami Rd
Sherman Ave
Woodcrest Dr
Anne Dr
Belmart Rd
Albert Rd
Tiptop Ln
Quality Plz
Lauman Ln
Scooter Ln
Coachman Ln
Alan Crest Dr
Courtney Ln
Fiddler Ln
Rigger Ln
Gleaner Ln
Collector Ln
Marksman Ln
Constable Ln
Prairie Path
Stevedore Ln
Polaris Dr
Constellation Rd
Farmedge Rd
Boone St
Carson St
Bryant St
Edna Ave
Stokes Ave
Meridian Rd
Horizon Ln
Comet Ln
Compass Ln
Satellite Ln
E Village Grn
Trumpet Ln
Raven St
Timber Ln
Windmill Ln
Sheep Ln
Martin St
Martin Rd N
Kay Ave
Joseph Ave
Columbia St
Moore Dr
Wilson Ln
Hoover Ln
Park Ln
Motor Ln
Albergo Ct
Cordwood Ln
Midlawn Dr
Thorne Ave
Syracuse Ave
Hastings Rd
Hampton Rd
Amherst Dr
Kildare Cres
Cheryl Rd
Old Post Rd
Kingsberry Rd
Jules Ln
Elves Ln
Hunt Rd
Carlisle Rd
Whitebirch
Sherry Ave
Helene St
Dunhill Rd
Heywood Rd
New Rd
Greenwood Dr
Briarwood Rd
Daniel Rd S
N William Rd
Duff Pl
Peter
Ped Maple Dr S
Rosewood Ln
Raspberry Ln
Radial Ln
Return Ln
Hewmann Pl
Joseph Ct
Berrtam Pl
Jacqueline Dr
Lynn Pl
Libby Ln
Ann Ln
Regency Ln
Swan Ln
Hook Ln
Grey Ln
Penny Ln
Homestead Ln
Tower Ln
Glade Ln
Green Ln
Sunset Ln
Low Ln
Echo Ln
Hillcrest Dr
Elaine Dr
Ripple Ln
Rambler Ln
Wintage Ln
Gingham
Rope Ln
Straight Ln
Forge Ln
Crag Ln
Beaver Ln
Cooper Ln
Clay Ln
Tanners Ln
Bellows Ln
Old Oak Ln
Leaf Ln
Crest Ln
Castle
Sunrise Ln
Rainbow Ln
Sunset Ln
Tallow Ln
Robin Ln
Abbey Ln
Bayberry Ln
Ranch Ln
Silver Ln
Acorn Ln
Cotton Ln
Griddle Ln
Hook Ln
Amber Ln
Needle Ln
Cove Ln
Blossom Ln
Drake Ln
Hawk Ln
Balsam Ln
Yale Pl
Lawrence St
Elsie Ln
Zoranne Dr
Cedar Dr
Penn St
Cornell
Bernard St
High St
Chester Ln
Rhonda Ln
Pine Tree Dr
Cheryl Ln N
Cheryl Ln S
Kilmer St
Boundary Ave
N Virginia Ave
N Wisconsin Ave
N Boston Ave
N Idaho Ave
N Wyoming Ave
N Delaware
N Atlanta Ave
N Utica Ave
Albany Ave
N Rutherford Ave
N Park Dr
N Poplar St
N Linden St
Syracuse Ave
Brookline Dr
Fairway Dr
Hampshire Dr
Long Island
Central Ave
Legend
Monitoring Well
Vertical Profile Boring
Extraction Well
Water Supply Well
Off Property Monitoring Wells
1962 Northrop Grumman Property
Hooker Ruco Superfund Site
1997 NWIRP Bethpage Property
1997 Northrop Grumman Property
0
1,400
2,800
Feet
NAVFAC
LOCATION MAP OF WELLS
OU2 GROUNDWATER SAMPLING - DECEMBER 2020 EVENT
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT
BETHPAGE, NEW YORK
CTO
N62470-16-D-9008 WE13
DRAWN BY
MC
DATE
03/31/21
CHECKED BY
RD
DATE
03/31/21
FIGURE NUMBER
2
NOR P:\GIS_files\Bethpage\MAP DOCS\MXD\BP_OU2_2020WP_MW\BP_onproperty_2021_Q4.mxd MMC