

Pelton, Jason M (DEC)

From: Wu, Ernie <Ernie.Wu@tetrattech.com>
Sent: Friday, January 7, 2022 2:27 PM
To: Pelton, Jason M (DEC); Sullivan, James (HEALTH); Putnam, Robin (NASSAU); Azzam, Nidal; rlenz@oysterbay-ny.gov; Sokolowski, Scott C CIV
USN NAVFAC MIDLANT NOR (USA); Brayack, David; Francisco, Ben; Walls, Kristen; Varricchio, Vin
Subject: Q3, 2021 (Sept) Validated Data, OU2 Navy groundwater sampling
Attachments: Figure_BP_OU2 GW_Q3_2021.pdf; BP OU2 GW_Q3 2021_validated data.pdf

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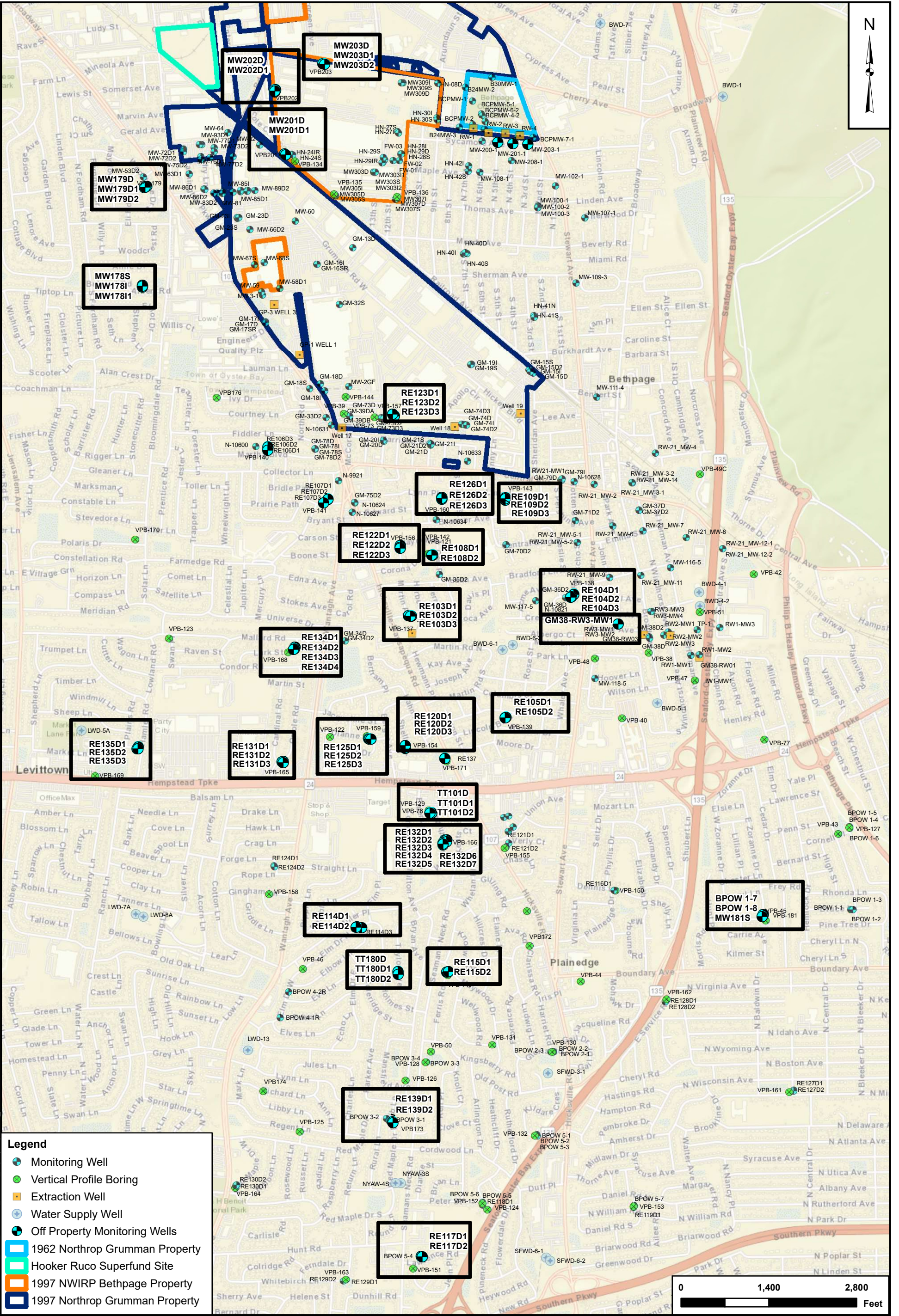
As per discussions between the Navy and NYSDEC, NYSDEC requested that the Navy submit the validated data as soon as the information is available. Please find attached, a pdf table of the Q3, 2021 (Sept) OU2 groundwater sampling data. The data includes VOCs and 1,4-dioxane results. A figure has also been included presenting the location of groundwater monitoring wells sampled.

Thanks,
Ernie

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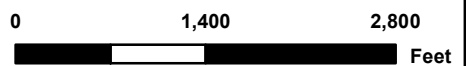
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NOR PLGIS files\Bethpage\MAP.DOC\SMXD\BP_OU2_2020\WP_MWBP_ownership_2021_01.mxd\MCC

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



**LOCATION MAP OF WELLS
OU2 GROUNDWATER SAMPLING - SEPTEMBER 2021 EVENT
NAVAL WEAPONS INDUSTRIAL RESERVE PLANT
BETHPAGE, NEW YORK**

CTO	
N62470-16-D-9008 WE13	
DRAWN BY	DATE
MC	12/22/21
CHECKED BY	DATE
NS	12/22/21
FIGURE NUMBER	
2	

Q3, 2021 (September) Validated Analytical Data

Navy OU2 Groundwater Sampling

LOCATION SAMPLE ID SAMPLE DATE	BPOW1-7 BPOW1-7-20210914 09/14/2021	BPOW1-8 BPOW1-8-20210914 09/14/2021	BPS1-TT-MW201D MW201D-20210919 09/19/2021	BPS1-TT-MW201D1 MW201D1-20210919 09/19/2021	BPS1-TT-MW202D MW202D-20210918 09/18/2021	BPS1-TT-MW202D1 MW202D1-20210919 09/19/2021	BPS1-TT-MW203D MW203D-20210918 09/18/2021	BPS1-TT-MW203D1 MW203D1-20210918 09/18/2021
VOLATILES (UG/L)								
1,1,1-TRICHLOROETHANE	0.5 U	0.5 U	8	0.5 U	0.5 U	0.5 U	1.3	3.3
1,1,2,2-TETRACHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1,2-TRICHLOROETHANE	0.5 U	0.5 U	0.47 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	0.5 U	0.5 U	4.7	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHANE	0.5 U	0.5 U	6	0.5 U	2	0.5 U	3.9	22.3
1,1-DICHLOROETHENE	0.75 U	0.75 U	75.1	0.75 U	0.94 J	0.75 U	1.9	8.7
1,2-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
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-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	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 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	2.2 J	3 J	5 U	5 U	3.8 U	5 U	3.8 U	3.8 U
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
CARBON DISULFIDE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
CARBON TETRACHLORIDE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
CHLOROBENZENE	0.5 U	0.5 U	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	0.5 U	0.5 U
CHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 UJ	0.75 U	0.75 UJ	0.75 UJ
CHLOROFORM	0.75 U	0.75 U	6.5	0.75 U	0.39 J	0.75 U	0.81 J	1.1
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	0.75 U	0.75 U	4.2	0.75 U	5.7	0.75 U	3.8	1
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
ETHYLBENZENE	0.5 U	0.5 U	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	0.5 U	0.5 U
M+P-XYLENES	1 U	1 U	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	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.5 U	0.5 U	0.5 U	0.5 U	0.55 J	0.5 U	0.5 U	0.47 J
METHYLENE 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
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	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TETRACHLOROETHENE	0.5 U	0.5 U	140	0.45 J	12.3	0.68 J	0.93 J	1.4
TOLUENE	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-1,2-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	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	0.5 U	0.5 U	120	1.2	31.2	0.56 J	20.7	7.7
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	190	0.5 U	1.9	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	0.2 U	0.2 U	5.5	0.2 U	0.36	0.2 U	0.37	1.4
METHOD 8260 SIM (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
METHOD 522 (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--

UG/L - micrograms per liter

J - estimated value

U - non-detect

UJ - non-detect

Q3, 2021 (September) Validated Analytical Data

Navy OU2 Groundwater Sampling

LOCATION SAMPLE ID SAMPLE DATE	BPS1-TT-MW203D2 MW203D2-20210918 09/18/2021	BP-TT-MW178I MW178I-20210921 09/21/2021	BP-TT-MW178I1 MW178I1-20210921 09/21/2021	BP-TT-MW178S MW178S-20210921 09/21/2021	BP-TT-MW179D MW179D-20210915 09/15/2021	BP-TT-MW179D1 MW179D1-20210916 09/16/2021	BP-TT-MW179D2 MW179D2-20210915 09/15/2021	BP-TT-MW180D TT180D-20210915 09/15/2021
VOLATILES (UG/L)								
1,1,1-TRICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.67 J	0.5 U
1,1,2,2-TETRACHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1,2-TRICHLOROETHANE	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-TRICHLOROTRIFLUOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.46 J
1,1-DICHLOROETHANE	3.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	0.93 J	0.75 U	2.8	0.75 U	0.75 U	0.75 U	2.5	0.75 U
1,2-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
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	23	0.5 U	0.5 U	0.5 U	1.1	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	2.5 U	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 U	2.5 U	2.5 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	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U	3.8 U
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
CARBON DISULFIDE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
CARBON TETRACHLORIDE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
CHLOROBENZENE	0.5 U	0.5 U	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	0.5 U	0.5 U
CHLOROETHANE	0.75 UJ	0.75 U	0.75 U	0.75 U	0.75 U	0.75 UJ	0.75 U	0.75 U
CHLOROFORM	0.35 J	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
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	0.75 J	0.75 U	37.5	0.75 U	21.9 J+	11.7	34	0.75 U
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
ETHYLBENZENE	0.5 U	0.5 U	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	0.5 U	0.5 U
M+P-XYLENES	1 U	1 U	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	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.5 U	0.48 J	0.5 U	0.85 J	0.5 U	0.32 J	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	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	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	0.5 U	0.5 U
TETRACHLOROETHENE	0.34 J	0.3 J	26.4	0.5 U	15.2	10.5	18.1	0.5 U
TOLUENE	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-1,2-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	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	0.73 J	0.78 J	420	0.33 J	81.8 J+	110	180 J+	2.4
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	0.63	0.14 J	1.1	0.18 J	0.12 J	0.21	1.3	0.14 J
METHOD 8260 SIM (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
METHOD 522 (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--

UG/L - micrograms per liter

J - estimated value

U - non-detect

UJ - non-detect

Q3, 2021 (September) Validated Analytical Data
Navy OU2 Groundwater Sampling
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LOCATION SAMPLE ID SAMPLE DATE	BP-TT-MW180D1 TT180D1-20210915 09/15/2021	BP-TT-MW180D2 TT180D2-20210915 09/15/2021	BP-TT-MW181S MW181S-20210914 09/14/2021	GM38-RW3-MW1 GM38-RW3-MW1-20210921 09/21/2021	RE103D1 RE103D1-20210920 09/20/2021	RE103D2 RE103D2-20210920 09/20/2021	RE103D3 RE103D3-20210920 09/20/2021	RE104D1 RE104D1-20210921 09/21/2021
VOLATILES (UG/L)								
1,1,1-TRICHLOROETHANE	0.5 UJ	2	0.52 J	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
1,1,2,2-TETRACHLOROETHANE	0.75 UJ	0.75 U	0.75 U	0.75 UJ	0.75 UJ	0.75 U	0.75 U	0.75 U
1,1,2-TRICHLOROETHANE	0.6 J-	1.1	0.5 U	0.5 UJ	0.41 J	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	2 J-	33.3	0.5 U	0.5 UJ	9.5 J	2.7	6.9	0.76 J
1,1-DICHLOROETHANE	0.5 UJ	2	0.88 J	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	1.1 J-	20.8	0.69 J	0.75 UJ	3.5 J	0.49 J	0.62 J	0.75 U
1,2-DICHLOROBENZENE	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
1,2-DICHLOROETHANE	0.5 UJ	0.49 J	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
1,2-DICHLOROPROPANE	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
1,3-DICHLOROBENZENE	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
1,4-DICHLOROBENZENE	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
2-BUTANONE	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U
2-HEXANONE	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U
4-METHYL-2-PENTANONE	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U
ACETONE	3.8 UJ	3.8 U	2.4 J	3.8 UJ	3.8 UJ	5 U	5 U	3.8 U
BENZENE	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	0.25 UJ	0.25 U	0.25 U	0.25 UJ	0.25 UJ	0.25 U	0.25 U	0.25 U
BROMOFORM	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
BROMOMETHANE	2.5 UJ	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U
CARBON DISULFIDE	0.75 UJ	0.75 U	0.75 U	0.75 UJ	0.75 UJ	0.75 U	0.75 U	0.75 U
CARBON TETRACHLORIDE	0.75 UJ	1.9	0.75 U	0.75 UJ	0.75 UJ	0.75 U	0.75 U	0.75 U
CHLOROBENZENE	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
CHLORODIBROMOMETHANE	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
CHLOROETHANE	0.75 UJ	0.75 U	0.75 U	0.75 UJ	0.75 UJ	0.75 U	0.75 U	0.75 U
CHLOROFORM	0.67 J-	0.79 J	0.78 J	0.75 UJ	0.52 J	0.56 J	0.57 J	0.75 U
CHLOROMETHANE	0.75 UJ	0.75 U	0.4 J	0.75 UJ	0.75 UJ	0.75 U	0.75 U	0.75 U
CIS-1,2-DICHLOROETHENE	0.88 J-	2.6	1.5	0.75 UJ	2.9 J	0.73 J	1.1	0.75 U
CIS-1,3-DICHLOROPROPENE	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
ISOPROPYLBENZENE	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
M+P-XYLENES	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
METHYL CYCLOHEXANE	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.5 UJ	0.5 U	0.31 J	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
METHYLENE CHLORIDE	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
O-XYLENE	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
STYRENE	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
TETRACHLOROETHENE	0.5 UJ	0.26 J	1.8	1.4 J	7.1 J	0.79 J	1.1	1.8
TOLUENE	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
TRANS-1,2-DICHLOROETHENE	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	81.7 J-	250 J	1.9	16.9 J	710 J	460 J	520	29.7
TRICHLOROFLUOROMETHANE	0.5 UJ	0.41 J	0.5 U	0.5 UJ	0.38 J	0.5 U	0.5 U	0.5 U
VINYL CHLORIDE	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
METHOD 8270D (UG/L)								
1,4-DIOXANE	2.3	3.5	0.18 J	2.4	4.5	0.94 J	0.52	3.4
METHOD 8260 SIM (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
METHOD 522 (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--

UG/L - micrograms per liter
 J - estimated value
 U - non-detect
 UJ - non-detect

Q3, 2021 (September) Validated Analytical Data

Navy OU2 Groundwater Sampling

LOCATION SAMPLE ID SAMPLE DATE	RE104D2 RE104D2-20210921 09/21/2021	RE104D3 RE104D3-20210921 09/21/2021	RE105D1 RE105D1-20210917 09/17/2021	RE105D2 RE105D2-20210917 09/17/2021	RE108D1 RE108D1-20210917 09/17/2021	RE108D2 RE108D2-20210917 09/17/2021	RE109D1 RE109D1-20210922 09/22/2021	RE109D2 RE109D2-20210922 09/22/2021
VOLATILES (UG/L)								
1,1,1-TRICHLOROETHANE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
1,1,2,2-TETRACHLOROETHANE	0.75 U	0.75 U	0.75 U	7.5 U	0.75 U	7.5 U	0.75 U	0.75 U
1,1,2-TRICHLOROETHANE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	0.5 U	0.5 U	4.1	16	0.65 J	4.9 J	0.5 U	0.66 J
1,1-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	0.75 U	0.75 U	0.46 J	6.6 J	0.75 U	5.2 J	0.75 U	0.75 U
1,2-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
1,2-DICHLOROETHANE	0.66 J	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
1,3-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	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	5 U	0.5 U	0.5 U
2-BUTANONE	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	2.5 U
2-HEXANONE	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	2.5 U
4-METHYL-2-PENTANONE	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	2.5 U
ACETONE	3.8 U	3.8 U	3.8 U	37.5 U	3.8 U	37.5 U	3.8 U	3.8 U
BENZENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	0.25 U	0.25 U	0.25 U	2.5 U	0.25 U	2.5 U	0.25 U	0.25 U
BROMOFORM	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
BROMOMETHANE	2.5 U	2.5 U	2.5 U	25 U	2.5 U	25 U	2.5 U	2.5 U
CARBON DISULFIDE	0.75 U	0.75 U	0.75 U	7.5 U	0.75 U	7.5 U	0.75 U	0.75 U
CARBON TETRACHLORIDE	0.75 U	0.75 U	0.75 U	7.5 U	0.75 U	7.5 U	0.75 U	0.75 U
CHLOROBENZENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
CHLOROETHANE	0.75 U	0.75 U	0.75 UJ	7.5 UJ	0.75 UJ	7.5 U	0.75 U	0.75 U
CHLOROFORM	0.98 J	0.75 U	0.75 U	7.5 U	0.75 U	7.5 U	0.75 U	0.75 U
CHLOROMETHANE	0.75 U	0.75 U	0.75 U	7.5 U	0.75 U	7.5 U	0.75 U	0.75 U
CIS-1,2-DICHLOROETHENE	13.4	0.75 U	0.95 J	7.5 U	0.75 U	6.3 J	0.75 U	0.75 U
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
M+P-XYLENES	1 U	1 U	1 U	10 U	1 U	10 U	1 U	1 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
METHYLENE CHLORIDE	0.5 U	0.5 U	0.5 U	9.2 J	0.5 U	11.8	0.5 U	0.5 U
O-XYLENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
STYRENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
TETRACHLOROETHENE	0.5 U	0.5 U	0.92 J	3.5 J	1.7	4.5 J	0.6 J	0.49 J
TOLUENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
TRANS-1,2-DICHLOROETHENE	0.88 J	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
TRICHLOROETHENE	93.2	0.27 J	120	1100	38.8	2300	11.6	24.1
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	5 U	0.5 U	5 U	0.5 U	0.5 U
METHOD 8270D (UG/L)								
1,4-DIOXANE	1.2	0.21 U	3.7	3.9	3.4	2.9	2.8	3.1
METHOD 8260 SIM (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
METHOD 522 (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--

UG/L - micrograms per liter

J - estimated value

U - non-detect

UJ - non-detect

Q3, 2021 (September) Validated Analytical Data
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LOCATION SAMPLE ID SAMPLE DATE	RE109D3 RE109D3-20210922 09/22/2021	RE114D1 RE114D1-20210916 09/16/2021	RE114D2 RE114D2-20210916 09/16/2021	RE115D1 RE115D1-20210916 09/16/2021	RE115D2 RE115D2-20210916 09/16/2021	RE117D1 RE117D1-20210914 09/14/2021	RE117D2 RE117D2-20210914 09/14/2021	RE120D1 RE120D1-20210917 09/17/2021
VOLATILES (UG/L)								
1,1,1-TRICHLOROETHANE	0.5 U	0.45 J	0.5 U	0.5 J	2.1 J	0.5 U	0.5 U	0.5 U
1,1,2,2-TETRACHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 UJ	0.75 UJ	0.75 U	0.75 U	0.75 U
1,1,2-TRICHLOROETHANE	0.5 U	1.2	0.5 U	0.78 J	1.6 J	0.55 J	0.5 U	0.44 J
1,1,2-TRICHLOROTRIFLUOROETHANE	1.1	26.2	14.3	14.9 J	55.9 J	0.64 J	0.5 U	10.7
1,1-DICHLOROETHANE	0.5 U	1.4	0.5 U	0.87 J	3.2 J	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	0.75 U	4.3	1	5.9 J	27.7 J	0.92 J	0.75 U	5.5
1,2-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.53 J	0.5 U	0.5 U	0.5 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
1,3-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
1,4-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
2-BUTANONE	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U
2-HEXANONE	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U
4-METHYL-2-PENTANONE	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U
ACETONE	3.8 U	3.8 U	3.8 U	3.8 UJ	3.8 UJ	2.9 J	5.1	5 U
BENZENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	0.25 U	0.25 U	0.25 U	0.25 UJ	0.25 UJ	0.25 U	0.25 U	0.25 U
BROMOFORM	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
BROMOMETHANE	2.5 U	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U
CARBON DISULFIDE	0.75 U	0.75 U	0.75 U	0.75 UJ	0.75 UJ	0.75 U	0.75 U	0.75 U
CARBON TETRACHLORIDE	0.35 J	1.9	0.75 U	2.1 J	2.7 J	1.3	0.75 U	0.75 U
CHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	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 U	0.5 U	0.5 U
CHLOROETHANE	0.75 U	0.75 UJ	0.75 UJ	0.75 UJ	0.75 UJ	0.75 U	0.75 U	0.75 U
CHLOROFORM	0.75 U	2.1	0.51 J	1.8 J	1.4 J	0.36 J	0.75 U	0.33 J
CHLOROMETHANE	0.75 U	0.75 U	0.75 U	0.75 UJ	0.75 UJ	0.75 U	0.75 U	0.75 U
CIS-1,2-DICHLOROETHENE	0.38 J	5.5	1.7	2.1 J	3.9 J	1	0.75 U	2.2
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
M+P-XYLENES	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
METHYLENE CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
STYRENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
TETRACHLOROETHENE	0.69 J	0.5 U	0.5 U	0.5 UJ	0.63 J	0.5 U	0.5 U	3.5
TOLUENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	42.5	320	88.9	330	930	98	0.44 J	610
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
METHOD 8270D (UG/L)								
1,4-DIOXANE	2.9	3	2.7	4.2	5.1	0.34	0.2 U	4.8
METHOD 8260 SIM (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	24 J
METHOD 522 (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	27 J

UG/L - micrograms per liter
J - estimated value
U - non-detect
UJ - non-detect

Q3, 2021 (September) Validated Analytical Data

Navy OU2 Groundwater Sampling

LOCATION SAMPLE ID SAMPLE DATE	RE120D2 RE120D2-20210917 09/17/2021	RE120D3 RE120D3-20210917 09/17/2021	RE122D1 RE122D1-20210920 09/20/2021	RE122D2 RE122D2-20210920 09/20/2021	RE122D3 RE122D3-20210920 09/20/2021	RE123D1 RE123D1-20210918 09/18/2021	RE123D2 RE123D2-20210918 09/18/2021	RE123D3 RE123D3-20210918 09/18/2021
VOLATILES (UG/L)								
1,1,1-TRICHLOROETHANE	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-TETRACHLOROETHANE	0.75 U	0.75 U	0.75 U	37.5 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1,2-TRICHLOROETHANE	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	17.9	0.5 U	4.2	25 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	2	0.75 U	1.1	37.5 U	0.75 U	0.75 U	0.75 U	0.75 U
1,2-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.5 U	25 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	25 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	25 U	0.5 U	0.5 U	0.5 U	0.5 U
2-BUTANONE	2.5 U	2.5 U	2.5 U	130 U	2.5 U	2.5 U	2.5 U	2.5 U
2-HEXANONE	2.5 U	2.5 U	2.5 U	130 U	2.5 U	2.5 U	2.5 U	2.5 U
4-METHYL-2-PENTANONE	2.5 U	2.5 U	2.5 U	130 U	2.5 U	2.5 U	2.5 U	2.5 U
ACETONE	3.8 U	3.8 U	5 U	190 U	5 U	5 U	3.8 U	5 U
BENZENE	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	0.25 U	0.25 U	0.25 U	12.5 U	0.25 U	0.25 U	0.25 U	0.25 U
BROMOFORM	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOMETHANE	2.5 U	2.5 U	2.5 U	130 U	2.5 U	2.5 U	2.5 U	2.5 U
CARBON DISULFIDE	0.75 U	0.75 U	0.75 U	37.5 U	0.75 U	0.75 U	0.75 U	0.75 U
CARBON TETRACHLORIDE	0.52 J	0.75 U	0.75 U	37.5 U	0.75 U	0.75 U	0.75 U	0.75 U
CHLOROBENZENE	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROETHANE	0.75 UJ	0.75 UJ	0.75 U	37.5 U	0.75 U	0.75 U	0.75 U	0.75 U
CHLOROFORM	0.42 J	0.75 U	0.42 J	37.5 U	0.75 U	0.75 U	0.75 U	0.75 U
CHLOROMETHANE	0.75 U	0.75 U	0.75 U	37.5 U	0.75 U	0.75 U	0.75 U	0.75 U
CIS-1,2-DICHLOROETHENE	2.4	0.75 U	2.7	37.5 U	0.75 U	0.75 U	0.75 U	0.75 U
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
M+P-XYLENES	1 U	1 U	1 U	50 U	1 U	1 U	1 U	1 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	25 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	25 U	0.5 U	0.5 U	0.5 U	0.5 U
METHYLENE CHLORIDE	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
O-XYLENE	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
STYRENE	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
TETRACHLOROETHENE	5.9	0.5 U	1.9	25 U	0.5 U	0.5 U	1.4	0.5 U
TOLUENE	0.5 U	0.5 U	0.5 U	25 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	25 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	25 U	0.5 U	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	510	28.3	630	4800	1.7	14.6	1.9	0.5 U
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U	0.5 U	0.5 U
METHOD 8270D (UG/L)								
1,4-DIOXANE	4.8	0.13 J	3.7	4.8	0.2 U	1.4	0.54	0.21 U
METHOD 8260 SIM (UG/L)								
1,4-DIOXANE	18	0.54	--	--	--	--	--	--
METHOD 522 (UG/L)								
1,4-DIOXANE	23 J	0.63 J	--	--	--	--	--	--

UG/L - micrograms per liter

J - estimated value

U - non-detect

UJ - non-detect

Q3, 2021 (September) Validated Analytical Data
Navy OU2 Groundwater Sampling
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LOCATION SAMPLE ID SAMPLE DATE	RE125D1 RE125D1-20210917 09/17/2021	RE125D2 RE125D2-20210917 09/17/2021	RE125D3 RE125D3-20210917 09/17/2021	RE126D1 RE126D1-20210920 09/20/2021	RE126D2 RE126D2-20210920 09/20/2021	RE126D3 RE126D3-20210920 09/20/2021	RE131D1 RE131D1-20210915 09/15/2021	RE131D2 RE131D2-20210915 09/15/2021
VOLATILES (UG/L)								
1,1,1-TRICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.39 J	0.5 U	0.5 U	0.28 J
1,1,2,2-TETRACHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
1,1,2-TRICHLOROETHANE	0.5 U	0.31 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	8.7 J	14	85.5	0.5 U	0.9 J	0.5 U	4.3	240
1,1-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	1 J	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	2 J	4	0.75 U	0.75 U	1.5 J	0.75 U	1.1	3.3
1,2-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
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-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	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 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	3.8 U	5 U	3.8 U	3.8 U	5 U	3.8 U	3.8 U	2.9 J
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 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	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
CARBON DISULFIDE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
CARBON TETRACHLORIDE	0.75 U	0.36 J	0.75 U	0.75 U	0.59 J	0.75 U	0.75 U	0.3 J
CHLOROBENZENE	0.5 U	0.5 U	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	0.5 U	0.5 U
CHLOROETHANE	0.75 UJ	0.75 U	0.75 UJ	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U
CHLOROFORM	0.79 J	0.37 J	0.75 U	0.75 U	0.33 J	0.75 U	1.6	0.46 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	4.4 J	3.6	2.2	0.75 U	1.4 J	0.75 U	4.8	6.1
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
ETHYLBENZENE	0.5 U	0.5 U	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	0.5 U	0.5 U
M+P-XYLENES	1 U	1 U	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	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.52 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.3	0.5 U
METHYLENE 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
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	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TETRACHLOROETHENE	10.6	5.5	7.7	0.86 J	0.84 J	0.8 J	15.7	13.9
TOLUENE	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-1,2-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	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	200	250	160	26	470	1.1	250 J	140
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.26 J	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	4.9	6.4	2.8	3	3.1	0.17 J	6.6	12.9
METHOD 8260 SIM (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
METHOD 522 (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--

UG/L - micrograms per liter
 J - estimated value
 U - non-detect
 UJ - non-detect

Q3, 2021 (September) Validated Analytical Data

Navy OU2 Groundwater Sampling

LOCATION SAMPLE ID SAMPLE DATE	RE131D3 RE131D3-20210915 09/15/2021	RE132D1 RE132D1-20210914 09/14/2021	RE132D2 RE132D2-20210914 09/14/2021	RE132D3 RE132D3-20210914 09/14/2021	RE132D4 RE132D4-20210914 09/14/2021	RE132D5 RE132D5-20210914 09/14/2021	RE132D6 RE132D6-20210914 09/14/2021	RE132D7 RE132D7-20210914 09/14/2021
VOLATILES (UG/L)								
1,1,1-TRICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U
1,1,2,2-TETRACHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	15 U	0.75 U
1,1,2-TRICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.82 J
1,1,2-TRICHLOROTRIFLUOROETHANE	420	5.9	4.6	4.1	7.4	11.8	28.2	22.7
1,1-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	1.7
1,1-DICHLOROETHENE	3.5	1.2	0.4 J	0.75 U	1.5	2.5	13.9 J	7
1,2-DICHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U
1,2-DICHLOROPROPANE	0.58 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 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	10 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	10 U	0.5 U
2-BUTANONE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U
2-HEXANONE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U
4-METHYL-2-PENTANONE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U
ACETONE	2.9 J	2.2 J	3 J	2.8 J	3 J	3.9 J	75 U	3.8 U
BENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U
BROMODICHLOROMETHANE	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	5 U	0.25 U
BROMOFORM	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U
BROMOMETHANE	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	2.5 U
CARBON DISULFIDE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	15 U	0.75 U
CARBON TETRACHLORIDE	0.75 U	0.75 U	0.75 U	0.75 U	0.44 J	0.55 J	15 U	1.5
CHLOROBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U
CHLOROETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	0.75 U	15 U	0.75 U
CHLOROFORM	0.75 U	2.6	0.75 U	0.75 U	0.41 J	1.3	15 U	1.5
CHLOROMETHANE	0.75 U	0.75 U	0.75 U	0.75 U	0.38 J	0.75 U	15 U	0.75 U
CIS-1,2-DICHLOROETHENE	1.2	2.1	0.65 J	1.2	2.6	2.2	15 U	3.6
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U
ETHYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U
M+P-XYLENES	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U
METHYL TERT-BUTYL ETHER	0.5 U	0.94 J	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U
METHYLENE CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	26.7	0.5 U
O-XYLENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U
STYRENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U
TETRACHLOROETHENE	11.7	3.5	0.5 U	3	5.5	0.5 U	10 U	2.5
TOLUENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 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	10 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	10 U	0.5 U
TRICHLOROETHENE	30.8	130	5	100	230 J	140	1800	1500
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.3 J	0.5 U	10 U	0.5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	0.5 U
METHOD 8270D (UG/L)								
1,4-DIOXANE	1.9	3.5	5	4	4.2	4.2	3.3	1.7
METHOD 8260 SIM (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
METHOD 522 (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--

UG/L - micrograms per liter

J - estimated value

U - non-detect

UJ - non-detect

Q3, 2021 (September) Validated Analytical Data

Navy OU2 Groundwater Sampling

LOCATION SAMPLE ID SAMPLE DATE	RE134D1 RE134D1-20210916 09/16/2021	RE134D2 RE134D2-20210916 09/16/2021	RE134D3 RE134D3-20210916 09/16/2021	RE134D4 RE134D4-20210916 09/16/2021	RE135D1 RE135D1-20210915 09/15/2021	RE135D2 RE135D2-20210915 09/15/2021	RE135D3 RE135D3-20210915 09/15/2021	RE139D1 RE139D1-20210915 09/15/2021
VOLATILES (UG/L)								
1,1,1-TRICHLOROETHANE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.31 J
1,1,2,2-TETRACHLOROETHANE	0.75 U	0.75 U	0.75 UJ	0.75 UJ	0.75 U	0.75 UJ	0.75 U	0.75 U
1,1,2-TRICHLOROETHANE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	1.2
1,1,2-TRICHLOROTRIFLUOROETHANE	0.5 U	11.5 J+	230 J	210	0.5 U	0.5 U	7.1	7
1,1-DICHLOROETHANE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHENE	0.75 U	0.75 U	3.2 J	2 J-	0.75 U	0.75 U	0.52 J	4
1,2-DICHLOROBENZENE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ
1,2-DICHLOROPROPANE	0.5 U	0.5 U	0.49 J	0.5 UJ	0.5 U	2.7 J+	4.9	0.5 U
1,3-DICHLOROBENZENE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U
1,4-DICHLOROBENZENE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U
2-BUTANONE	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
2-HEXANONE	2.5 U	2.5 UJ	2.5 UJ	2.5 UJ	2.5 U	2.5 UJ	2.5 U	2.5 UJ
4-METHYL-2-PENTANONE	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 UJ
ACETONE	3.8 U	3.8 U	3.8 UJ	3.8 UJ	3.8 U	3.8 U	3.8 U	3.5 J
BENZENE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ
BROMODICHLOROMETHANE	0.25 U	0.25 U	0.25 UJ	0.25 UJ	0.25 U	0.25 U	0.25 U	0.25 U
BROMOFORM	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
BROMOMETHANE	2.5 U	2.5 U	2.5 UJ	2.5 UJ	2.5 U	2.5 U	2.5 U	2.5 U
CARBON DISULFIDE	0.75 U	0.75 UJ	0.75 UJ	0.75 UJ	0.75 U	0.75 U	0.75 U	0.75 U
CARBON TETRACHLORIDE	0.75 U	0.75 U	0.75 UJ	0.75 UJ	0.75 U	0.75 U	0.75 U	1.3 J
CHLOROBENZENE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
CHLORODIBROMOMETHANE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROETHANE	0.75 U	0.75 U	0.75 UJ	0.75 UJ	0.75 U	0.75 U	0.75 U	0.75 U
CHLOROFORM	0.75 U	0.75 U	0.31 J	0.75 UJ	1.8	0.75 U	0.75 U	1
CHLOROMETHANE	0.75 U	0.75 U	0.75 UJ	0.75 UJ	0.75 U	0.75 U	0.75 U	0.75 U
CIS-1,2-DICHLOROETHENE	0.75 U	1.4 J+	1.2 J	0.96 J-	0.75 U	0.75 U	3.7	2.1
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ
ETHYLBENZENE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
ISOPROPYLBENZENE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 U
M+P-XYLENES	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 U
METHYL CYCLOHEXANE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
METHYL TERT-BUTYL ETHER	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
METHYLENE CHLORIDE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
O-XYLENE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
STYRENE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
TETRACHLOROETHENE	0.47 J	6.3 J+	32 J	13.7 J-	0.5 U	0.5 U	22.4	0.5 U
TOLUENE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ
TRANS-1,2-DICHLOROETHENE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	4	65.5 J+	130 J	26 J-	0.35 J	0.5 U	18.2	180 J
TRICHLOROFLUOROMETHANE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
VINYL CHLORIDE	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
METHOD 8270D (UG/L)								
1,4-DIOXANE	0.6	5.6	7.3	1.8	0.19 J	0.1 J	0.23	1.1 J
METHOD 8260 SIM (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--
METHOD 522 (UG/L)								
1,4-DIOXANE	--	--	--	--	--	--	--	--

UG/L - micrograms per liter

J - estimated value

U - non-detect

UJ - non-detect

Q3, 2021 (September) Validated Analytical Data
Navy OU2 Groundwater Sampling
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LOCATION SAMPLE ID SAMPLE DATE	RE139D2 RE139D2-20210915 09/15/2021	TT101D TT101D-20210921 09/21/2021	TT101D1 TT101D1-20210921 09/21/2021	TT101D2 TT101D2-20210921 09/21/2021
VOLATILES (UG/L)				
1,1,1-TRICHLOROETHANE	0.24 J-	0.5 UJ	0.5 UJ	2.5 U
1,1,2,2-TETRACHLOROETHANE	0.75 UJ	0.75 UJ	0.75 U	3.8 U
1,1,2-TRICHLOROETHANE	0.7 J-	0.5 UJ	0.39 J	2.5 U
1,1,2-TRICHLOROTRIFLUOROETHANE	3.6 J-	9.3 J	10.9 J	14.4
1,1-DICHLOROETHANE	0.47 J-	0.5 UJ	0.5 U	2.5 U
1,1-DICHLOROETHENE	3.6 J-	1.9 J	4.6 J	4.9 J
1,2-DICHLOROBENZENE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
1,2-DICHLOROETHANE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
1,2-DICHLOROPROPANE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
1,3-DICHLOROBENZENE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
1,4-DICHLOROBENZENE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
2-BUTANONE	2.5 UJ	2.5 UJ	2.5 U	12.5 U
2-HEXANONE	2.5 UJ	2.5 UJ	2.5 U	12.5 U
4-METHYL-2-PENTANONE	2.5 UJ	2.5 UJ	2.5 U	12.5 U
ACETONE	3.6 J-	3.8 UJ	3.8 U	18.8 U
BENZENE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
BROMODICHLOROMETHANE	0.25 UJ	0.25 UJ	0.25 U	1.3 U
BROMOFORM	0.5 UJ	0.5 UJ	0.5 U	2.5 U
BROMOMETHANE	2.5 UJ	2.5 UJ	2.5 U	12.5 U
CARBON DISULFIDE	0.75 UJ	0.75 UJ	0.75 U	3.8 U
CARBON TETRACHLORIDE	1.7 J-	0.75 UJ	0.91 J	3.8 U
CHLOROBENZENE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
CHLORODIBROMOMETHANE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
CHLOROETHANE	0.75 UJ	0.75 UJ	0.75 U	3.8 U
CHLOROFORM	0.6 J-	0.35 J	0.76 J	3.8 U
CHLOROMETHANE	0.75 UJ	0.75 UJ	0.75 U	3.8 U
CIS-1,2-DICHLOROETHENE	2.1 J-	2.5 J	1.3 J	1.6 J
CIS-1,3-DICHLOROPROPENE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
ETHYLBENZENE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
ISOPROPYLBENZENE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
M+P-XYLENES	1 UJ	1 UJ	1 U	5 U
METHYL CYCLOHEXANE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
METHYL TERT-BUTYL ETHER	0.5 UJ	0.5 UJ	0.5 U	2.5 U
METHYLENE CHLORIDE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
O-XYLENE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
STYRENE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
TETRACHLOROETHENE	0.5 UJ	0.76 J	0.5 U	2 J
TOLUENE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
TRANS-1,2-DICHLOROETHENE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
TRANS-1,3-DICHLOROPROPENE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
TRICHLOROETHENE	180	87.5 J	160	1000
TRICHLOROFLUOROMETHANE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
VINYL CHLORIDE	0.5 UJ	0.5 UJ	0.5 U	2.5 U
METHOD 8270D (UG/L)				
1,4-DIOXANE	0.88	5.1	4.5	2.7
METHOD 8260 SIM (UG/L)				
1,4-DIOXANE	--	--	--	--
METHOD 522 (UG/L)				
1,4-DIOXANE	--	--	--	--

UG/L - micrograms per liter
J - estimated value
U - non-detect
UJ - non-detect